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UPPER MISSISSIPPI RIVER AND ILLINOIS WATERWAY NAVIGATION STUDY

ECONOMIC SCENARIOS AND RESULTING DEMAND FOR BARGE TRANSPORTATION

FINAL REPORT

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Develop Alternative Economic Scenarios and the Resulting Demand for Barge Transportation of Farm Products and Other Commodities for the Upper Mississippi River/Illinois Waterway Navigation Study

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Table of Contents

Table of Contents 2
List of Tables 3
List of Figures 4
Introduction 6
Methodology 9
- Basic Fundamentals 9
- Scenario Identification 11
- Key Drivers 11
- Analytic Framework 13

Key Discussion Issues 17
- Surge Export Considerations 17
- Former Soviet Union's Emergence and Disappearance in World Trade 17
- The Adoption of Genetically Modified Organism Technology 18
- Global Warming and Climatic Change 19

Central Scenario: General Characteristics 21
- Area 21
- Yields 21
- Population 24
- Usage 29

Most Favorable Scenario: Adjustments 32
Least Favorable Scenario: Adjustments 34
Favorable Scenario: Adjustments 36
Hypoxia Scenario: Adjustments 37
U.S. Farm Product Trade and Barge Demand 39
- U.S. Farm Product Trade 39
- U.S. Farm Product Barge Transport 43

Other Commodity Barge Demand 63
- Procedures 63
- Other Commodity Barge Forecast Results 63
- Summary of Other Commodity Barge Movements 73

Summary and Conclusions 74
Sources 76
Appendices – Scenario Results 77
- Appendix A – Central Scenario 77
- Appendix B – Most Favorable Scenario 77
- Appendix C – Favorable Scenario 77
- Appendix D – Hypoxia Scenario 77
- Appendix E – Least Favorable Scenario 77
- Appendix F – Other Commodity Barge Demand 77

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List of Tables

Table 1 -- Global Geographic Regions 13
Table 2 -- Average Annual Percent Change in Wheat Yield, 2000-2050 22
Table 3 -- Average Annual Percent Change in Rice Yield, 2000-2050 22
Table 4 -- Average Annual Percent Change in Corn Yield, 2000-2050 22
Table 5 -- Average Annual Percent Change in Other Coarse Grains Yield, 2000-2050 23
Table 6 -- Average Annual Percent Change in Soybean Yield, 2000-2050 23
Table 7 -- Average Annual Percent Change in Other Oilseeds Yield, 2000-2050 23
Table 8 -- Central Scenario Annual Global Population Percent Change 24
Table 9 -- Population Impact on Grain Usage 26
Table 10 -- WTO Concessions Made by China On Select Bulk Agricultural Products 30
Table 11 -- Scenario Component Matrix 31
Table 12 -- Most Favorable Scenario Annual Global Population Percent Change 33
Table 13 -- Least Favorable Scenario Annual Global Population Percent Change 35
Table 14 -- Hypoxia Scenario Adjustment Derivation 38
Table 15 -- Grain Export and Barge Movements (million metric tons): 44
Table 16 -- Grain Export and Barge Movements (million metric tons): 48
Table 17 -- Grain Export and Barge Movements (million metric tons): 52
Table 18 -- Grain Export and Barge Movements (million metric tons): 55
Table 19 -- Grain Export and Barge Movements (million metric tons): 59
Table 20 -- Illinois Waterway Traffic by Commodity (thousand metric tons) 64
Table 21 -- Upper Mississippi River Traffic by Commodity (thousand metric tons) 64
Table 22 -- Summary of Other Commodity Barge Movements (million metric tons): 73

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List of Figures

Figure 1 -- Annual UMRIW Barge Movements, 1972-1977 Average ... 7
Figure 2 -- Annual UMRIW Barge Movements, 1995-2000 Average ... 7
Figure 3 -- Total World Grain Production and Use, 1963-2001 ... 10
Figure 4 -- Total World Stocks to Use Ratio, Annual and 5-Yr. Average ... 10
Figure 5 -- Scenario Horizons ... 11
Figure 6 -- Scenario Development Matrix ... 12
Figure 7 -- Long-Term Analytic Framework ... 14
Figure 8 -- Country/Region Analytic Framework ... 14
Figure 9 -- World Wheat, Coarse Grain, and Oilseed Trade ... 18
Figure 10 -- U.S. Corn Yields, Actual and Trend, 1952-2001 ... 20
Figure 11 -- U.S. Corn Yield Percent Deviation from Trend, 1952-2001 ... 20
Figure 12 -- Population and GDP Among Developed and Developing Countries ... 25
Figure 13 -- China's Average Annual Change in Population and Per Capita Consumption ... 27
Figure 14 -- China's Per Capita Consumption of Grain ... 27
Figure 15 -- India's Average Annual Change in Population and Per Capita Consumption ... 28
Figure 16 -- India's Per Capita Consumption and Total Consumption of Grain ... 28
Figure 17 -- Coarse Grain Feed and Food & Other Use, Average Annual Change, 2000-2050 ... 29
Figure 18 -- U.S. Corn, Wheat, Soybean, and Meal Exports by Scenario, 1972 to 2050 ... 39
Figure 19 -- U.S. Corn Exports by Scenario, 1972-2050 ... 40
Figure 20 -- U.S. Wheat Exports by Scenario, 1972-2050 ... 41
Figure 21 -- U.S. Soybean Exports by Scenario, 1972-2050 ... 42
Figure 22 -- U.S. Protein Meal (Prepared Animal Feeds) Exports by Scenario, 1972-2050 ... 43
Figure 23 -- Central Scenario Corn, Wheat, Soybean, and Meal Barge Movements, 1972-2050 ... 45
Figure 24 -- Central Scenario Corn Barge Movements, 1972-2050 ... 45
Figure 25 -- Central Scenario Wheat Barge Movements, 1972-2050 ... 46
Figure 26 -- Central Scenario Soybean Barge Movements, 1972-2050 ... 46
Figure 27 -- Central Scenario Protein Meal (Prepared Animal Feed) Barge Movements, 1972-2050 ... 47
Figure 28 -- Most Favorable Scenario Corn, Wheat, Soybean, and Meal Barge Movements, 1972-2050 49
Figure 29 -- Most Favorable Scenario Corn Barge Movements, 1972-2050 ... 49
Figure 30 -- Most Favorable Scenario Wheat Barge Movements, 1972-2050 ... 50
Figure 31 -- Most Favorable Scenario Soybean Barge Movements, 1972-2050 ... 50
Figure 32 -- Most Favorable Scenario Meal (Prepared Animal Feed) Barge Movements, 1972-2050 ... 51
Figure 33 -- Least Favorable Scenario Corn Barge Movements, 1972-2050 ... 53
Figure 34 -- Least Favorable Scenario Wheat Barge Movements, 1972-2050 ... 53
Figure 35 -- Least Favorable Scenario Soybean Barge Movements, 1972-2050 ... 54
Figure 36 -- Least Favorable Scenario Protein Meal (Prepared Animal Feed) Barge Movements, 1972-2050 ... 54
Figure 37 -- Favorable Scenario Corn, Wheat, Soybean, and Meal Barge Movements, 1972-2050 ... 56
Figure 38 -- Favorable Scenario Corn Barge Movements, 1972-2050 ... 56
Figure 39 -- Favorable Scenario Wheat Barge Movements, 1972-2050 ... 57
Figure 40 -- Favorable Scenario Soybean Barge Movements, 1972-2050 ... 57
Figure 41 -- Favorable Scenario Protein Meal (Prepared Animal Feed) Barge Movements, 1972-2050 ... 58
Figure 42 -- Hypoxia Scenario Corn, Wheat, Soybean, and Protein Meal Barge Movements, 1972-2050 60
Figure 43 -- Hypoxia Scenario Corn Barge Movements, 1972-2050 ... 60
Figure 44 -- Hypoxia Scenario Wheat Barge Movements, 1972-2050 ... 61
Figure 45 -- Hypoxia Scenario Soybean Barge Movements, 1972-2050 ... 61
Figure 46 -- Hypoxia Scenario Protein Meal (Prepared Animal Feed) Barge Movements, 1972-2050 ... 62
Figure 47 -- Coal and Coke Barge Movements ... 65
Figure 48 -- Petroleum Products Barge Movements ... 66
Figure 49 -- Fertilizer Barge Movements ... 67
Figure 50 -- Total U.S. Crop Area and Average Fertilizer Barge Movements ... 68

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Figure 51 -- Construction Materials Barge Movements 68
Figure 52 -- Industrial Chemical Barge Movements 69
Figure 53 -- Federal Reserve Steel Production Index vs. Deflated GDP 71
Figure 54 -- Per Capita Steel Production Index Trend 72
Figure 55 -- Iron and Steel Barge Movements 72
Figure 56 -- Upper Mississippi River Total Farm and Other Commodity Product Barge Movements, 1972-2050 75
Figure 57 -- Illinois Waterway Total Farm and Other Commodity Barge Movements, 1972-2050 75

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Introduction

The Upper Mississippi River and Illinois Waterway (UMRIW) system is important to the movement of commodities into, out of, and within the Upper Midwest. In 2000 more than 83 million (short) tons of commodities were moved on the UMRIW, up 22.9 million tons from 1972. During the 1972 to 2000 period, barge movements increased an average of 1.4 percent per year. Commodities moved on the UMRIW include corn, wheat, soybeans, animal feed, coal and coke, petroleum, fertilizers, construction materials, industrial chemicals, iron and steel products, and other miscellaneous goods. Farm product (corn, wheat, soybeans, and animal feeds) movements are important movements on the UMRIW, and their importance has increased over the years. During 1995-2000, farm products averaged 52 percent of total movements, up 13 percent from the 1972-1977 average of 39 percent (Figure 1 and Figure 2).

According to the U.S. Department of Agriculture (USDA), barge movements represent about one-fifth of total grain movements in the U.S. As an export movement, barge grain accounts for half of all grain exports. When comparing total grain moved by barge, 90 percent is to an export position and 10 percent to domestic locations. Of the grain moved to Center Gulf export position by barge about two-thirds originates on the UMRIW. Exports of agricultural products, grain in particular, greatly impact barge movements.

In order for commodities to move by barge on the UMRIW, barges are moved through a series of locks and dams on either the Upper Mississippi River (UMR) or the Illinois Waterway (IW). The Army Corps of Engineers (Corps) is evaluating the demand for those locks and dams in order to accommodate future barge movements on both river segments. To evaluate future barge movements the Corps adopted a scenario-based approach to evaluate commodity movements by barge. The results of the scenario-based approach are presented in this report.

This report is the economic component of the Corps' on-going UMRIW Navigation Study. The scenarios represented in this report cover a range of alternatives of the future demand for navigation on the UMRIW. Specifically, the results of this report are a range of alternative future scenarios affecting the demand for inland waterway transportation of farm products for the UMRIW. The scenarios consider a range of possible futures with respect to trends, policies, conditions, and events that could impact the U.S. agricultural sector and export markets. They do not presume to encompass the absolute extremes, though they do hopefully approach them.

The impacts of each scenario are translated into demand for barge transportation for farm products on incremental sections of the UMRIW. The specific sections identified were the Upper Mississippi River and the Illinois Waterway. The demand forecast horizon used for this report was to 2050. For the evaluation of barge movements, the base year data used was 1995-2000 and the resulting demand forecasts were unconstrained with respect to lock delays or capacity as specified by the Corps. The farm products barge demand forecasts were for export movements and include breakouts for corn, soybeans, wheat, and prepared animal feeds (or meal).

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Figure 1 -- Annual UMRIW Barge Movements, 1972-1977 Average

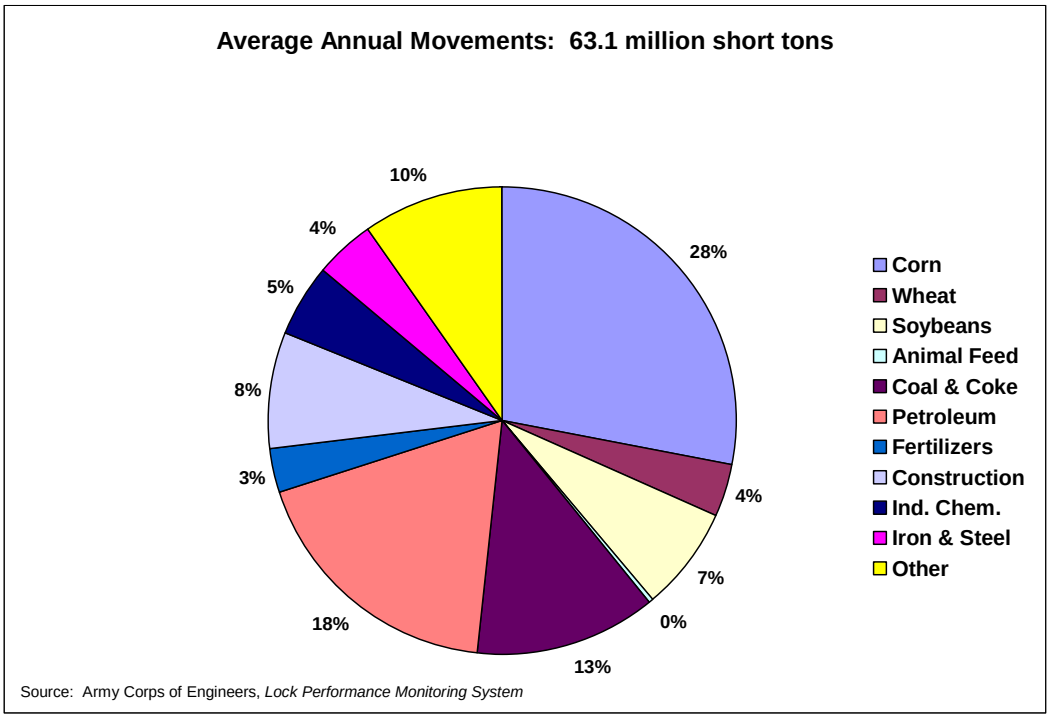
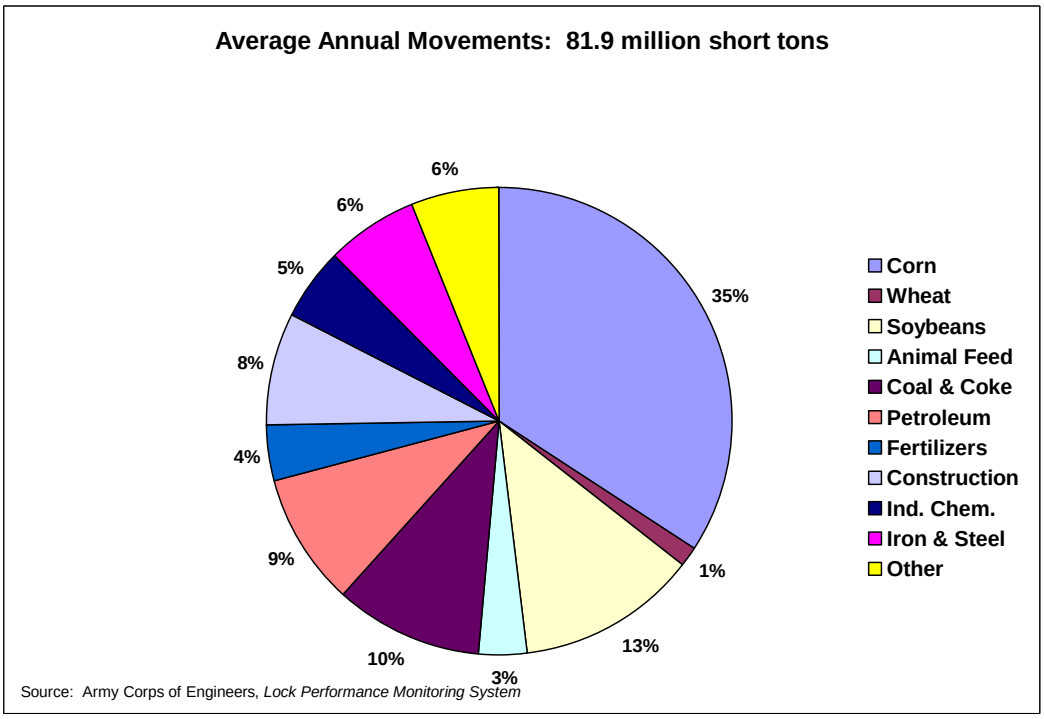


Figure 2 -- Annual UMRIW Barge Movements, 1995-2000 Average



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Also provided in this report are forecasts of the demand for barge transportation of coal, agricultural chemicals, industrial chemicals, petroleum products, construction materials, steel/steel sector raw materials, and other products. The forecasts were based on a review and update of previously developed forecasts prepared in the mid-1990s, and by assessing those forecasts with relevant changes in market conditions and with respect to the scenarios developed for farm products.

The methodology used to develop the scenarios, the resulting export forecasts, and demand for barge transportation on the UMR and IW is first presented in this report. The Central Scenario is presented first followed by the alternative scenarios. Each subsequent scenario is then discussed in terms of adjustments made from the Central Scenario. The subsequent scenarios are presented in the following order: Most Favorable, Least Favorable, Favorable, and Hypoxia Scenarios. The next section of the report summarizes the implied trade and demand for barge movements on the UMR and IW for each scenario. The other commodity forecasts for barge movements are discussed in the last section. Attached to this report is an appendix of the key data sets used in developing the Central Scenario and other scenarios, and barge movement forecasts.

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Methodology

Basic Fundamentals

The approach followed in this effort was built on six basic fundamentals.

1. Over the long run (five-year or longer periods) world production and world usage are by definition nearly identical as shown in Figure 3. The premise is that the demand-pull created from increasing population and per capita consumption drives advances in technology that result in yield increase and the utilization of more land assets. (Season ending stock levels that are important in the short run are negligible as a portion of annual global production or annual usage.) The amount of grain stocks on hand is that portion of total grain supply that is readily available for use. This use of stocks includes the vital function of providing "pipeline" supplies that link producers to consumers. Pipeline needs vary between different markets and over time. Grain stocks over and above pipeline needs represent stocks available for "surge" type exports.

   How large are pipeline needs? Considering that a barge movement in the river system could be three weeks, and movement prior and after could be another four to six weeks, the total pipeline movement would be at least seven weeks or 14 percent of one year's usage. Only stocks above this level would be available for surge exports. Also consider that the world's stocks to use ratio has been as low as 15 percent during the early 1970s and as high as 36 percent during the mid 1980s. In 2001, the stocks to use ratio dropped below 25 percent while at the same time consumption continues to increase. A 25 percent stocks to use ratio means there is about one-quarter of a year of stocks available for consumption. Total world grain use continues to increase each year, and accordingly, production has to increase in proportion thus requiring stock levels that fluctuate in the short run as shown in Figure 4. But in the long run, stocks cannot build up because what ever is produced in the short run is also being consumed in the short run, and this relationship is shown by the five-year stocks to use average in Figure 4.

2. Factors that impact world production indirectly impact world consumption, and factors that impact world consumption indirectly impact world production.

3. Trade between countries resolves imbalances between production and usage within countries.

4. As a surplus producer, world trade directly impacts U.S. agriculture. World needs represent export opportunities for the U.S. and conversely their absence represents a lack of opportunities.

5. No constraints to barge movement volume will exist as specified by the Corps.

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Figure 3 -- Total World Grain Production and Use, 1963-2001

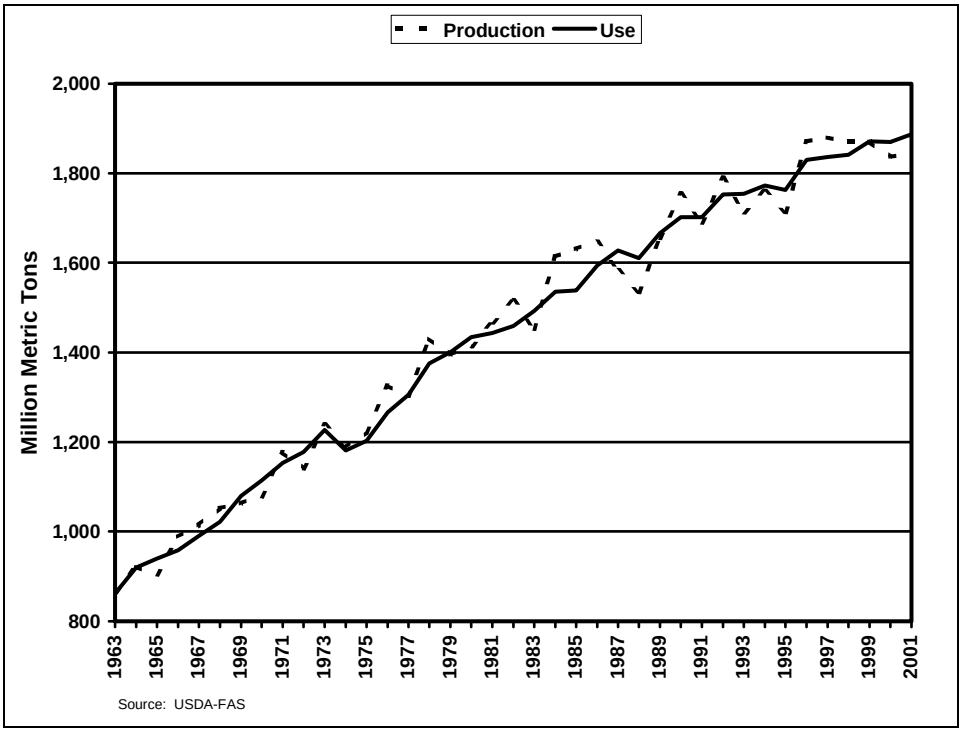
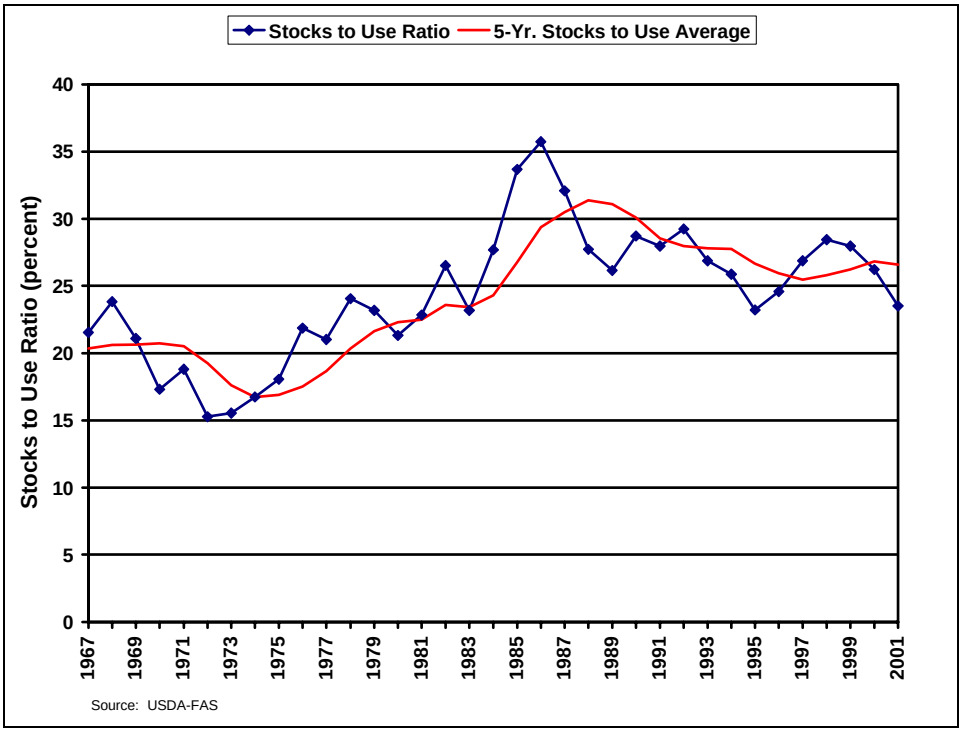


Figure 4 -- Total World Stocks to Use Ratio, Annual and 5-Yr. Average



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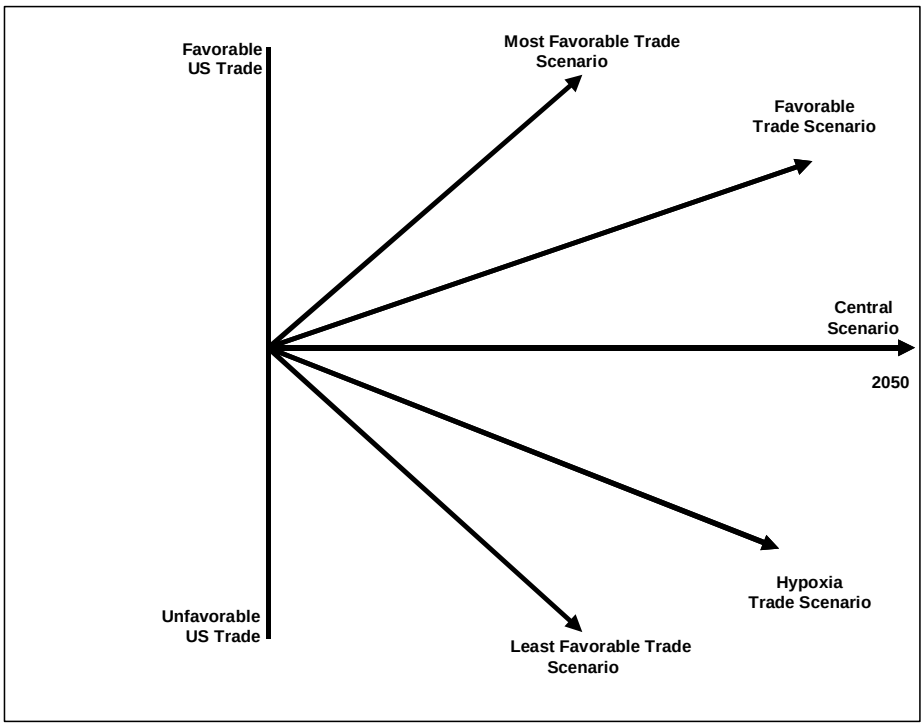
Scenario Identification

In developing the scenarios to be quantified, a wide range of issues and conditions were identified that could be explained in logical sequence and in combination. The key drivers of the scenarios quantified in this report were constructed using the consensus of the Corps in the coordination of involvement among key stakeholders pertaining to the UMRIW. The key stakeholders included the Corps Study Team, Federal Interagency Principals Group (consisting of the U.S. Departments of Agriculture, Defense, Interior and Transportation, and the U.S. Environmental Protection Agency), the UMRIW Economic Coordination Committee (representatives from Illinois, Iowa, Minnesota, Missouri, and Wisconsin), environmental and industry groups, and others.

The first scenario developed was a Central Scenario that represented a "middle-of-the-road" U.S. export prospect. The Central Scenario essentially is a central point with respect to the other scenarios (Figure 5). Around the Central Scenario, scenarios were developed that were more favorable and less favorable to U.S. agricultural trade. Each scenario has several key factors, or "drivers," that make it different and influence its relative output.

Figure 5 -- Scenario Horizons



Key Drivers

To define the scenarios, four key drivers were identified that impact exports favorably or unfavorably. The key drivers were world trade, crop area, crop yield, and consumption drivers. Each key driver contains several variables that best reflect the prospects for change and scenario

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variation. The key drivers and the corresponding variables are displayed in Figure 6 (the scenario development matrix) and presented below. The relevant drivers and associated variables are discussed further as used within the context of the corresponding scenario.

Figure 6 -- Scenario Development Matrix

Scenario Drivers	Key Variables	Trade Scenarios				
		Least Favorable	Hypoxia	Central Scenario	Favorable	Most Favorable
World Trade	International trade policy (WTO)					
	China's willingness to become trade depenedent					
	India's willingness to become trade depenedent					
	General competitiveness of U.S. agriculture					
Crop Area	U.S. supply control policy (set-a-side)					
	Conservation Issues					
	Hypoxia					
Crop Yield	Rate and uniformity of increase					
	Climatic variability					
Consumption	Ethanol and Bio-diesel					
	Population					
	Per capita consumption					

The key world trade drivers include:

- General world attitude toward utilizing trade barriers to encourage or discourage trade (Expansion or contraction of World Trade Organization (WTO) influence).
- Acceptance of Genetically Modified Organism technology (GMO) throughout the world and related trade limitations, if any.
- China's posture toward self-sufficiency as compared to being import dependent for food supplies.
- India's posture toward self-sufficiency as compared to being import dependent for food supplies.
- Possible shifts in relative competitiveness among major surplus producing countries.

The key crop area drivers include:

- Supply control policies in the U.S., expressed in terms land removal from cultivation (i.e., set-a-side type policies).
- Conservation-oriented public policies removing land from cultivation.
- Cropping practices adopted to manage the problem of Hypoxia in the Gulf of Mexico.

The key crop yield drivers include:

- Rate and uniformity of increase.
- Climate change, including a consideration of the disparate views of the scientific community regarding global warming.

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The key consumption drivers include:

- Bulk agriculture commodity use as an alternative to petroleum-based energy (ethanol and bio-diesel).
- Alternative population growth assumptions.
- Alternative per capita consumption rates.

Analytic Framework

In order to quantify the prospects for U.S. grain and oilseed exports over an extended time frame under several defined scenarios, an analytical framework was created (Figure 7) in which production and use were independently estimated for five geographical regions of the world (Table 1). The surplus or deficits implied by production/use imbalances quantify that geographic area's need for trade with a surplus implying export activity and a deficit implying an import activity.

Table 1 -- Global Geographic Regions

Countries/Regions

USA	West Europe	Central Europe	Japan	Australia
Canada		FSU-15	Taiwan	South Africa
Mexico			South Korea	North Africa & Middle East
Brazil			China	Other Africa
Argentina			India	
Other Latin America			Indonesia	
			Malaysia	
			Other Asia	

The U.S. Department of Agriculture's World Production, Supply, and Demand database was the source of all historical area, yield, production, trade, and use data. That database begins in 1970 for most series, but is not complete across all countries of the world in the early years. The data set used in this study's analysis started with 1974 data. Commodities included were wheat, rice, and coarse grains (corn, sorghum, barley, oats, and millet). The oilseeds included were soybeans, rapeseed, sunseed, peanuts, and cottonseed. Wheat, rice, and corn were individually considered and the remaining grains were lumped together as other coarse grains. For oilseeds, soybeans were considered individually and the others were lumped together as other oilseeds.

The analytical horizon spanned from 2001 through 2050. Within the analysis, annual estimates were made through 2010 and at 5-year increments through the remainder of the horizon.

In establishing production estimates, area and yield components were independently addressed (Figure 8). Area estimates were made with consideration give to trends which had occurred over the past 20-25 years, respect for cultivated area constraints suggested by historical cropping activity, and Sparks's awareness of that region's agricultural characteristics. Individual and commodity group yield change rates were established with implied future yields then multiplied times area estimates to arrive at the production component.

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Figure 7 -- Long-Term Analytic Framework

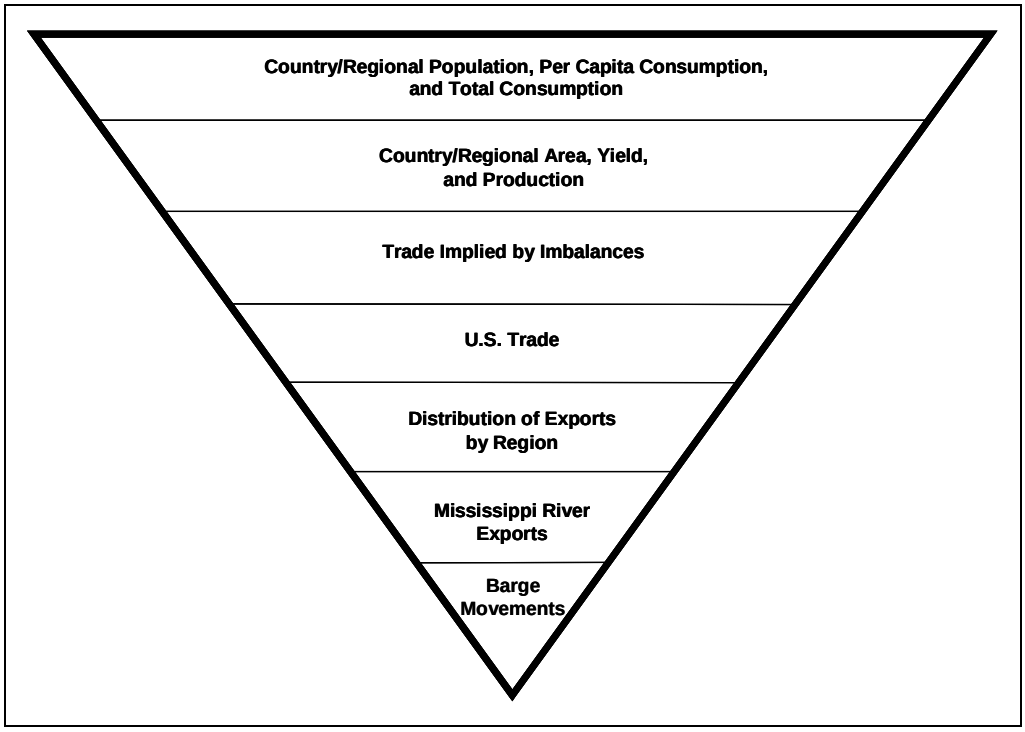
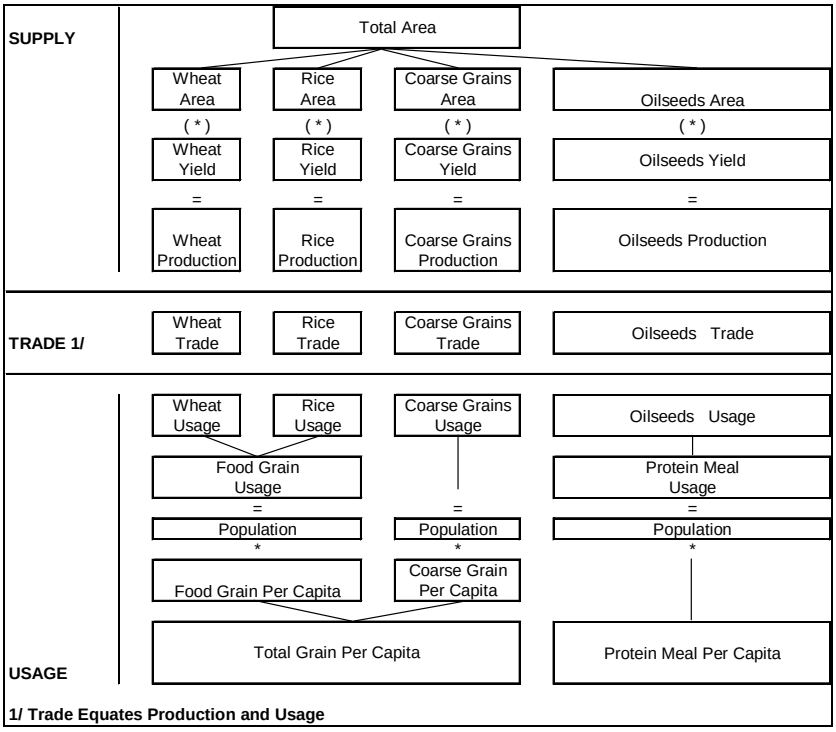


Figure 8 -- Country/Region Analytic Framework



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Usage levels for each commodity group were established as the product of population estimates and per capita usage estimates. Population levels used in all scenarios quantified were directly derived from estimates made by the U.S. Department of Commerce, Bureau of the Census and the United Nations. Per capita usage rates for grain fed to livestock, grains used in food and other uses, and for protein meal were derived for the 1975-2000 time frame and rates of change were estimated for the analytical horizon. Historical rates of change, along with consideration with respect to reasonableness across the usage category were the major factors impacting change rates established for the forecast horizon. In a manner identical to production, usage estimates were then derived as the product of two components.

Within the Central Scenario, world supply and usage estimates were balanced over the forecast horizon. The balancing activity was an iterative process over the time span of the 50-year forecast horizon. The objective was to successively equate world production and world usage estimates through time in order to depict real world developments that could plausibly be expected to occur. Adjustments to area under cultivation in Argentina and Brazil were the focal point of the iterative balancing activity. Implied exports and imports are equal with the sum of either reflective of world trade volume. U.S. exports represent the portion of world trade that is estimated to be produced in the U.S. but not used within the U.S. and for which there is an estimated deficit elsewhere.

For scenarios other than the Central Scenario, no attempt was made to balance world supply and use sums over the forecast horizon. Supply and use estimates implied by specified adjustments characterizing that alternative scenario were independently calculated. Implied country/regional imbalances quantify a need for trade under that scenario with the difference between total world supply and estimated world usage left unresolved. This inequality between estimated world supply and estimated world usage is, however, taken into consideration within the U.S. export estimates associated with each scenario. U.S. net exports implied by the scenario's U.S. production minus use calculation are adjusted up or down in proportion to the U.S. share of each commodity's Central Scenario world trade. The U.S. share of world trade within the Central Scenario is applied to the world's scenario imbalance. If the world imbalance is characterized by supply being greater than usage, the U.S. export estimate is adjusted proportionally downward; and if the world imbalance is characterized by usage greater than supply, the U.S. export estimate is adjusted proportionally upward. This approach allows the evaluation of adjustment combinations that could not practically be considered otherwise. At the same time, however, it also yields U.S. export levels that are biased upward in strong export scenarios and biased downward in weak export scenarios.

The volume of grain moved on the UMR and IW was determined by first allocating total U.S. exports of grain (corn, wheat, soybeans, and animal feed) by port range (Lakes, Atlantic, Center Gulf, Texas Gulf, Pacific, and Interior). The allocation of exports by port range was determined by applying the base year data (1995-2000), obtained from the USDA's Federal Grain Inspection Service, port share of grain to the export forecast for each grain. Barge movements of grain from the UMR and IW are transported to ports located in the Center Gulf port range. The Center Gulf port range is located at the mouth of the Mississippi River where its confluence drains into the Gulf of Mexico. The Center Gulf port range includes ports where export grain elevators are

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located. Barges of grain that originated on the UMRIW are moved to these export elevators where they are unloaded either into temporary storage for loading onto a bulk ocean vessel or the grain is unloaded directly from the barge into the ocean vessel. The volume of grain moved on each river segment was determined by applying the river segment share of the base year data (1995-2000) that was obtained from the Army Corps of Engineers, to that of Center Gulf exports.

The results for barge demand in this study are reported as barge movements for each river segment, the UMR or the IW, and were unconstrained by infrastructure influences or constraints. The forecasted volume of traffic on the UMR accounts only for movements that either originated or terminated on the UMR north of lock and dam 27, and that does not move on the IW.

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Key Discussion Issues

Certain issues emerged during the scenario development stage that influenced the use and specification of the scenarios presented in this report. This section looks at the key issues that were raised and discusses those issues in context with the scenarios used in this report. The issues discussed in this section include surge exports, Former Soviet Union's Emergence and Disappearance in World Trade, genetically modified organism technology, and global warming or climatic change.

Surge Export Considerations

The dominance of export volume as a determining factor of grain and oilseed traffic on the UMR and IW is large, and widely acknowledged. Export volume is composed of regular recurring shipments to established destinations that is predictable and which can be anticipated and planned for. It has historically had a "surge element" that occurred very infrequently and unexpectedly and which boosted movement to much larger levels requiring a capability that was not previously being utilized. Both elements will continue into the future, though the character of commodity policy has altered their potential impact on river traffic volume.

Surge or "boom" export demand can only impact movement if a supply of the commodity exists or can be produced over a period of a few years. During the past five years, U.S. commodity policy has promoted full utilization of land resources and annual market clearing opportunities that have precluded the accumulation of surplus inventories. That is, today's policy environment precludes the availability of supplies that might feed surge or boom export demand. This five-year-old policy orientation is well supported by all major components of U.S. agriculture, that seriously has not been challenged in the ongoing discussions of new farm policy, and is assumed to continue over the next fifty years in the study's Central Scenario. Given this general fundamental climate, surge or boom export demand should not be considered in the same manner over the planning horizon as it has been in the past when prevailing U.S. commodity policy was different.

Former Soviet Union's Emergence and Disappearance in World Trade

Many developments over the past three decades have had a significant impact on world grain and oilseed trade. It is beyond the scope of this project to discuss all of them in detail, though all consequences are incorporated within the data set utilized in this analysis. As arguably the single most important event during this period, it is however worthwhile to review the Former Soviet Union's emergence and their disappearance as a significant player in world grain and oilseed trade.

A net exporter of grain and oilseeds in the early 1970s, the Former Soviet Union's (FSU) imports were responsible for an average of 18 percent of trade during the 1979-91 time frame. With the collapse of their centrally planned economies, their place as an importer of grain and oilseeds disappeared as fast as it had appeared to the point where they are once again a minor exporter.

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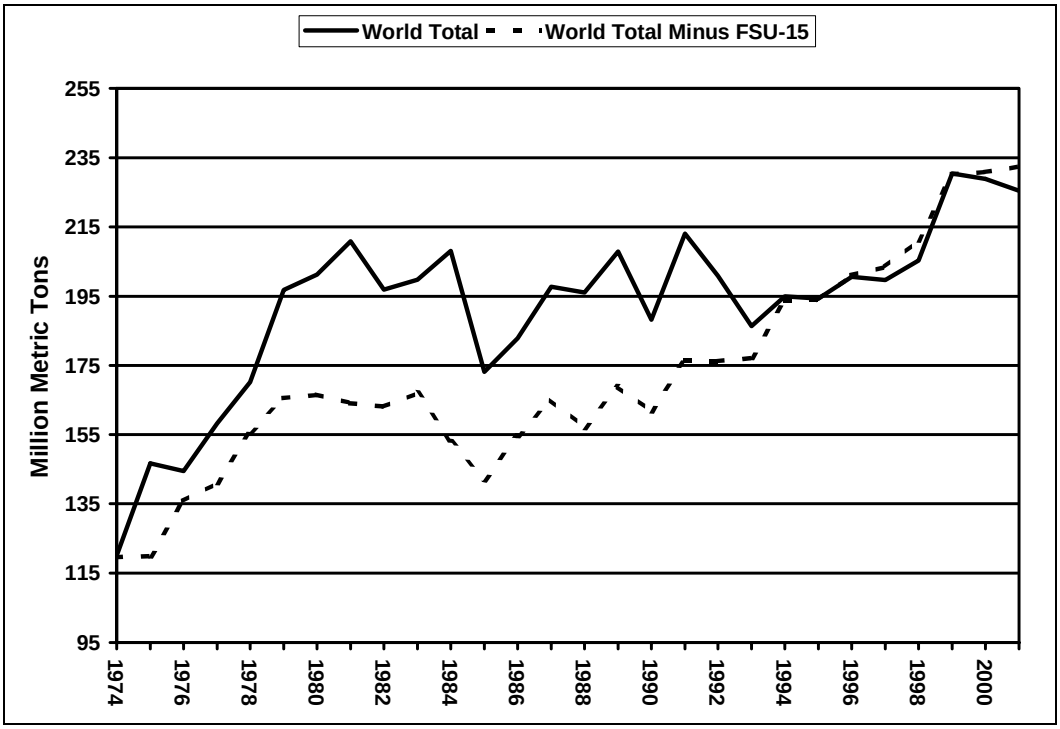
With FSU's rapid expansion of inputs during the 1970s and early 1980s, world grain trade reached 2ll million tonnes in 1981. This peak was not significantly exceeded until 1999, a span of 18 years during which trade volume was irregular but largely flat. A somewhat different picture of grain and oilseed trade however is suggested if one considers the world excluding the Former Soviet Union as included in Figure 9.

Figure 9 -- World Wheat, Coarse Grain, and Oilseed Trade



The Adoption of Genetically Modified Organism Technology

The use of genetically modified organism technology (GMO) has been widely adopted throughout the major grain and oilseed production regions of the world, and its use is expected to increase in the coming decades. In the United States, GMOs are used on about one-third of all corn acreage and nearly three-quarters of all soybean acreage. In Argentina GMOs are used for more than three-quarters of its soybean production. While Brazil has a ban on the use of GMOs, it is adopting policies that will permit the use of GMOs in the coming years. Most importing countries have accepted GMO grains and oilseeds for several years now, and many other countries have recently started requiring that imports of GMO commodities be certified as being safe for human consumption. There have been recent incidents where non-certified or non-approved GMO commodities have entered the export market and have impacted export markets. The damage of a recent incident (StarLink) was first thought to be a detriment to continued use of GMOs, but that incident, and others like it, while unfortunate, have led to better monitoring and use of GMOs that are approved for consumption in the export markets. The net affect was a short-term disruption, but in the foreseeable future, the use of GMOs will continue to expand in production and be accepted for consumption. In the long-term, the issue of GMO acceptance is in

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a phrase, a "non-issue" since farmers will produce what consumers will accept, and the net effect of this is that the volumes will not be different, while the varieties may be GMO, non-GMO, or both.

Global Warming and Climatic Change

The world's agriculture is quite diverse. Agriculture in developed nations is technically advanced while in developing countries technology is quickly being adopted. Seeds being planted, by their nature, were selected for their natural hardiness and adaptability and have been improved further through selected breeding and now through genetic modification (as discussed above).

A key point of crop production is that yield variation is mainly a result of weather during rather short periods of time in very specific geographic areas. In other words, yield variation is very much a function of short-term time and place specific dynamics. Would this "intra-season" variation override the minor increases in average temperatures or changes in precipitation that might come from a global climatic change?

Looking at yield variation in the last 50-years, corn yields varied from a linear trend by an average of eight percent (Figure 10). If global warming effects have increased in recent years, consider that corn yields from 1952 to 1976 varied eight percent from a linear trend, a variation equal to the variation of the last 25 years (Figure 11). Given that a crop's yield vulnerability is determined during a relatively short time period, it is hard to consider that global warming could be easily or accurately reflected in crop yields. For example, when looking at years when droughts occurred in the U.S., one could find several years of droughts when corn yields averaged at trend or above trend. Those years, in particular, were when droughts occurred from the previous year's fall to the early part of the summer, but weather in the primary growing areas during the critical flowering and grain formation stage (a period of peak water usage) was somewhat normal, thus benefiting yield.

A clear scenario for U.S. or global agriculture has not been readily forthcoming from the vast number of studies on global warming. Specifically, the studies that are available do not provide adequate information to ascertain a cogent consensus on global yield and area impacts. In fact, the vast amount of studies do not all come to a clear consensus regarding global warming's existence. As a consequence, the specification of a global warming or climatic scenario could not be cogently put together that fit the analytic structure used in this report.

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Figure 10 -- U.S. Corn Yields, Actual and Trend, 1952-2001

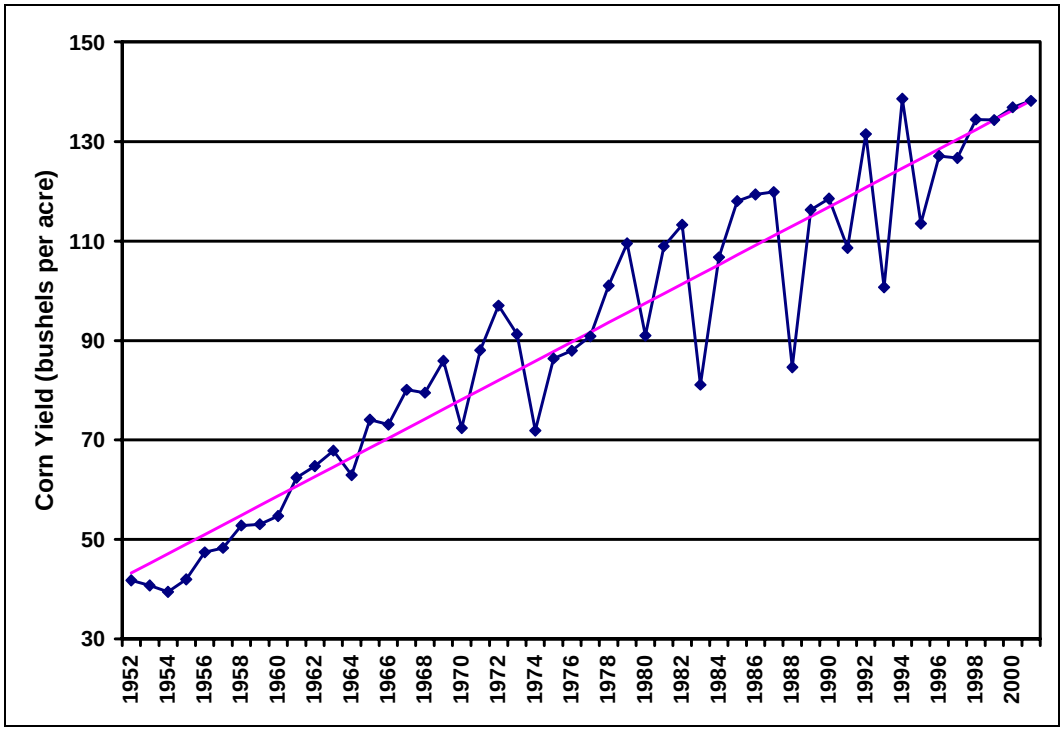
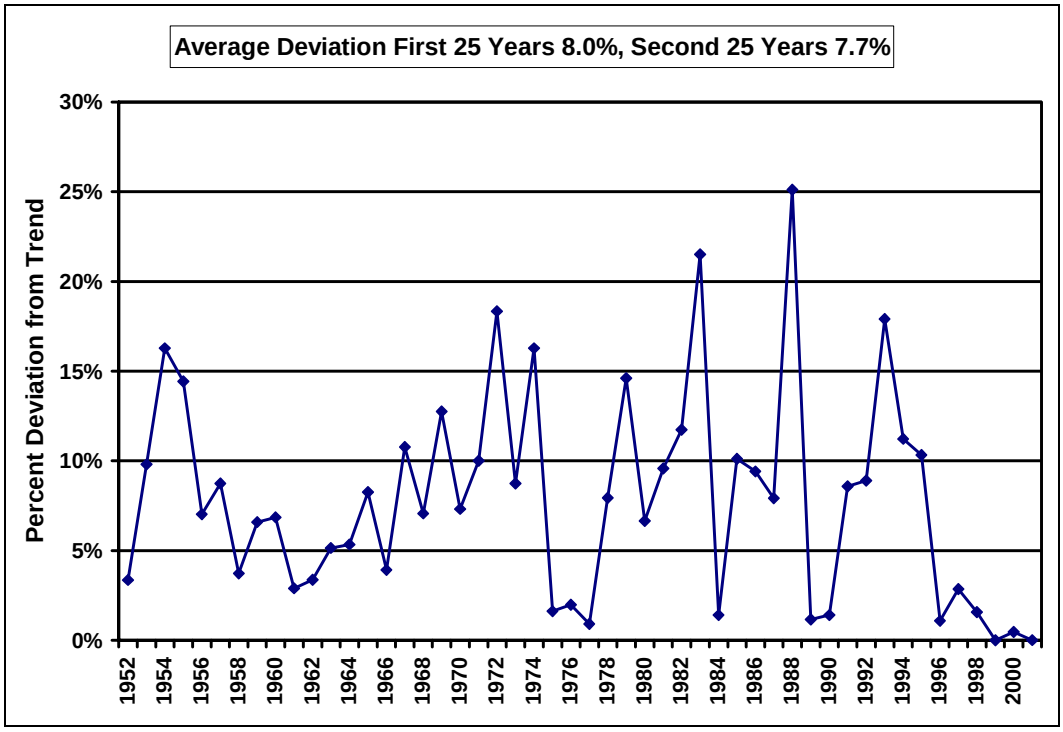


Figure 11 -- U.S. Corn Yield Percent Deviation from Trend, 1952-2001



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Central Scenario: General Characteristics

The forecasts in the Central Scenario are an amalgamation of the trends over the past 20-25 years along with specified assumptions on major key variables that result in "middle-of-the-road" forecasts. Within the Central Scenario, world supply and usage estimates were balanced over the forecast horizon. Implied exports and implied imports are equally reflective of world trade volume. U.S. exports represent the portion of world trade that is estimated to be produced in the U.S. but not used within the U.S., and for which there is an estimated deficit elsewhere.

Area

Total land used to grow major grains and oilseeds considered in this study is assumed to increase by some 190 million hectares over the next 50 years. With the exception of Argentina, Brazil, Other Africa, and Other Asia, land under cultivation will remain relatively constant. In other countries/regions, arable land not under cultivation is limited and that under cultivation faces competitive pressures in many areas.

The availability of fertile land that could be brought under cultivation in Brazil and to a lesser extent Argentina has long been recognized. The USDA recently published a report "Agriculture in Brazil and Argentina: Developments and Prospects for Major Field Crops" in which they analyzed many of the relevant factors. The area expansion for Brazil and Argentina factored into the scenarios quantified in this report are consistent with information presented in the USDA study, though the crop mix estimates contained herein are solely the product of this analysis.

Based on data contained in the USDA's report, grain and oilseed area in Argentina was limited to 40 million hectares in this work, a 16 million hectare or 67 percent expansion from the current total and the Brazilian area was limited to 150 million hectares, more than a fourfold increase from the current level. Argentine expansion did reach the limit established around 2040, though Brazilian area never seriously threatens its suggested limit. Brazilian crop area factored into scenarios quantified did however more than double increasing from a current total of 34 million to 72 million.

Nearly two-thirds of the assumed grain and oilseed cultivation expansion will occur during the first half of the 50-year horizon considered. Area increases will be more limited during the second half as crop totals in Argentina and the Former Soviet Union approach perceived thresholds.

Yields

Country yield growth rates are held constant throughout the forecast period at rates consistent with those experienced over the past 20-25 years. Global yield rates of change (increase or decrease), implied to occur over the next 50-years, are the result of changing country area composition.

Assumed average annual yield changes by crop are shown in Tables 1-6 for the countries with the three most rapid and the three slowest growth rates along with that assumed for the U.S.

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Table 2 -- Average Annual Percent Change in Wheat Yield, 2000-2050

Order Rank: 1 = Highest

Rank	Country	Annual % Change
1	AUSTRALIA	1.5
2	OTHER ASIA	1.4
3	NORTH AFRICA & MIDDLE EAST	1.4
16	USA	1.0
17	JAPAN	0.8
18	SOUTH KOREA	0.4

Table 3 -- Average Annual Percent Change in Rice Yield, 2000-2050

Order Rank: 1 = Highest

Rank	Country	Annual % Change
1	BRAZIL	1.4
2	INDIA	1.2
3	OTHER ASIA	1.2
10	USA	0.8
13	W. EUROPE	0.6
14	OTHER AFRICA	0.3
15	SOUTH KOREA	0.0

Table 4 -- Average Annual Percent Change in Corn Yield, 2000-2050

Order Rank: 1 = Highest

Rank	Country	Annual % Change
1t	CHINA	2.0
1t	NORTH AFRICA & MIDDLE EAST	2.0
1t	MEXICO	2.0
10	USA	1.4
16	OTHER AFRICA	0.7
17	SOUTH KOREA	0.6
18	JAPAN	0.0

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Table 5 -- Average Annual Percent Change in Other Coarse Grains Yield, 2000-2050

Order Rank: 1 = Highest

Rank	Country	Annual % Change
1	CHINA	1.3
2	NORTH AFRICA & MIDDLE EAST	1.2
3	AUSTRALIA	1.2
6	USA	1.0
16	OTHER ASIA	0.5
17	SOUTH AFRICA	0.4
18	OTHER AFRICA	0.3

Table 6 -- Average Annual Percent Change in Soybean Yield, 2000-2050

Order Rank: 1 = Highest

Rank	Country	Annual % Change
1	OTHER AFRICA	1.8
2	BRAZIL	1.7
3	INDIA	1.7
7	USA	1.5
15	MEXICO	0.8
16	AUSTRALIA	0.7
17	SOUTH KOREA	0.6

Table 7 -- Average Annual Percent Change in Other Oilseeds Yield, 2000-2050

Order Rank: 1 = Highest

Rank	Country	Annual % Change
1t	W. EUROPE	1.2
1t	CHINA	1.2
3	ARGENTINA	1.2
14	USA	0.6
16	N. AFRICA & MIDDLE EAST	0.6
17	OTHER LATIN AMERICA	0.4
18	MEXICO	0.1

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Population

Population estimates used in the Central Scenario are those currently estimated by the United States Department of Commerce, Bureau of the Census. Population changes used for the other scenarios were adapted from estimates reported by the United Nations. The Bureau of the Census only provides one population outlook, whereas the United Nations publishes a range of possibilities. Over the past 25 years, world population grew an average of 1.54 percent annually. Current population growth is 1.2 percent. Over the next 50 years the rate of growth is forecast to gradually slow with annual growth dropping to 0.45 percent near 2050 (Table 8). Among developed and developing countries, population has been expanding considerably while population in developed countries gets smaller as a share of total world population. But gross domestic product (GDP), while expanding in both the developed and developing countries, continues to represent a greater share among the developed countries (Figure 12).

Table 8 -- Central Scenario Annual Global Population Percent Change

REGION/COUNTRY	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA	1.07	0.91	0.98	1.00	0.93	0.87	0.82	0.81	0.79	0.78	0.77	0.73	0.70	0.68	0.67
CANADA	1.15	1.05	1.42	1.26	1.06	0.94	0.85	0.79	0.72	0.61	0.47	0.36	0.28	0.23	0.22
MEXICO	2.41	2.11	1.97	1.80	1.61	1.42	1.26	1.12	0.99	0.87	0.76	0.63	0.51	0.40	0.29
BRAZIL	2.45	2.15	1.84	1.48	1.10	0.82	0.68	0.56	0.45	0.36	0.27	0.18	0.10	0.03	-0.04
ARGENTINA	1.64	1.46	1.40	1.27	1.19	1.10	0.98	0.85	0.72	0.62	0.52	0.42	0.33	0.23	0.14
OTHER LATIN AMERICA	2.11	2.11	2.06	1.92	1.71	1.53	1.39	1.28	1.17	1.05	0.92	0.79	0.68	0.58	0.49
W Europe	0.31	0.19	0.41	0.38	0.27	0.20	0.11	0.04	-0.03	-0.10	-0.19	-0.28	-0.38	-0.46	-0.54
CENTRAL EUROPE	0.72	0.49	0.23	-0.12	-0.02	-0.05	-0.08	-0.13	-0.21	-0.29	-0.37	-0.44	-0.51	-0.55	-0.60
FSU-15	0.87	0.91	0.70	0.11	-0.12	0.00	0.18	0.25	0.15	0.06	0.07	0.07	0.02	-0.07	-0.13
JAPAN	0.85	0.64	0.41	0.26	0.19	0.11	-0.06	-0.26	-0.42	-0.53	-0.60	-0.66	-0.70	-0.73	-0.78
TAIWAN	2.01	1.47	0.94	0.93	0.84	0.77	0.66	0.50	0.35	0.23	0.13	0.01	-0.14	-0.29	-0.39
SOUTH KOREA	1.55	1.25	0.99	1.06	0.97	0.80	0.60	0.40	0.26	0.18	0.08	-0.06	-0.23	-0.36	-0.44
CHINA	1.38	1.42	1.49	1.07	0.92	0.80	0.63	0.55	0.51	0.38	0.23	0.10	-0.03	-0.12	-0.19
INDIA	2.11	2.15	2.02	1.83	1.65	1.47	1.32	1.20	1.08	0.95	0.83	0.72	0.62	0.53	0.45
INDONESIA	-0.01	-0.16	0.58	0.47	0.28	0.24	0.17	0.12	0.06	-0.04	-0.12	-0.20	-0.30	-0.38	-0.46
MALAYSIA	2.35	2.48	2.36	2.28	2.09	1.87	1.75	1.66	1.57	1.44	1.29	1.14	1.02	0.93	0.85
Other Asia, COE	2.32	2.19	2.06	1.95	1.74	1.59	1.42	1.28	1.14	1.00	0.87	0.76	0.64	0.53	0.42
AUSTRALIA	1.59	1.63	1.64	1.47	1.36	1.22	1.10	0.99	0.90	0.79	0.66	0.55	0.45	0.36	0.29
SOUTH AFRICA	2.56	2.74	2.54	1.51	0.73	-0.31	-1.09	-1.16	-1.02	-0.88	-0.71	-0.51	-0.27	-0.01	0.19
N AFRICA & MIDDLE EAST	3.28	3.34	2.78	2.32	2.05	1.93	1.92	1.80	1.65	1.48	1.34	1.23	1.13	1.02	0.91
OTHER AFRICA	2.89	2.97	2.97	2.75	2.60	2.36	2.14	2.02	1.94	1.86	1.79	1.73	1.67	1.62	1.56
TOTAL	1.68	1.68	1.65	1.43	1.28	1.17	1.06	0.98	0.91	0.81	0.73	0.65	0.57	0.51	0.45

Source: U.S. Department of Commerce, Bureau of the Census

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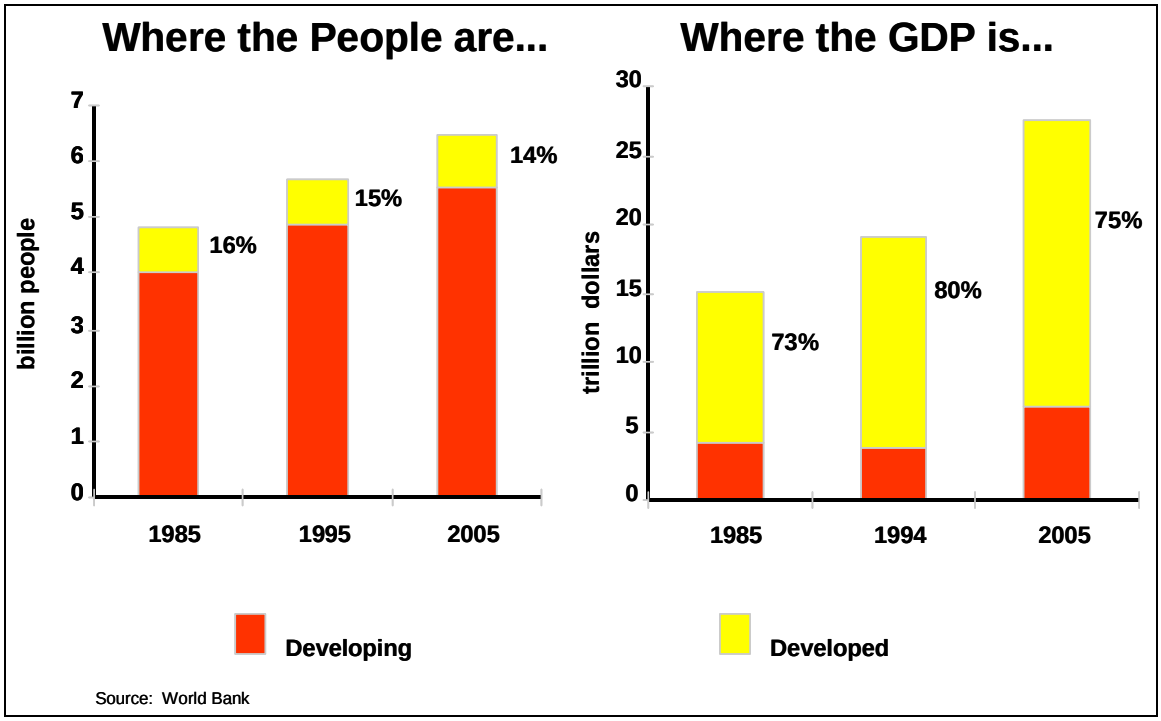
Figure 12 -- Population and GDP Among Developed and Developing Countries



The impact of estimated population growth on grain usage is shown by country in Table 9. Grain usage quantities shown in Table 9 are those that would occur in 2025 and 2050 if per capita usage rates were held constant at the 2000 rate. The impact of slowing population growth in the second half of the period is notable, as is the sharp change in the relative impact in major consuming countries such as China, India, and the U.S.

China's grain and oilseed consumption in the Central Scenario increases after a period of stability (1995-2000). Population growth in the Central Scenario, as obtained from the Bureau of the Census, has China's population slowing over the forecast period, but within the Central Scenario per capita consumption is growing in proportion to China's production (Figure 13). China's total consumption then resumes a more robust growth trend despite the decreasing population growth (Figure 14). According to the Bureau of the Census, India's population is expected to increase, while its consumption growth is held more modest than China's as shown in Figure 15, but its total consumption (Figure 16) of grains and oilseeds will remain robust throughout the forecast period due to an increased population. China's per capita consumption of feed grains will increase faster than India's because China's meat consumption is expected to be higher than India's.

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Table 9 -- Population Impact on Grain Usage

	Population			Grain Consumption at 2000 Rate			Change	
	2000	2025	2050	2000	2025	2050	'00 to '25	'25 to '50
	(millions)			(million MT)			(million MT)	
USA	278	341	407	254	311	371	57	60
CANADA	32	38	42	32	38	42	7	3
MEXICO	102	135	154	42	55	63	14	8
BRAZIL	174	201	207	54	62	64	8	2
ARGENTINA	37	46	50	14	17	18	3	1
OTHER LATIN AMERICA	213	294	349	38	53	62	14	10
W Europe	392	396	361	185	187	170	2	-16
CENTRAL EUROPE	121	116	103	60	57	51	-2	-7
FSU-15	290	300	299	109	112	112	4	0
JAPAN	127	120	100	35	33	28	-2	-5
TAIWAN	22	25	24	8	9	9	1	0
SOUTH KOREA	48	54	51	17	19	18	2	-1
CHINA	1,273	1,469	1,467	379	438	437	58	0
INDIA	1,030	1,390	1,627	184	248	290	64	42
INDONESIA	83	85	79	47	48	45	1	-3
MALAYSIA	22	34	43	6	8	11	3	2
Other Asia, COE	744	1,023	1,202	164	226	265	62	39
AUSTRALIA	26	33	37	11	14	16	3	2
SOUTH AFRICA	44	35	33	12	9	9	-2	-1
N AFRICA & MIDDLE EAST	321	496	656	105	162	214	57	52
OTHER AFRICA	632	1,053	1,594	80	133	202	53	69
SUMMATION	6,011	7,683	8,884	1,834	2,242	2,498	408	256

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Figure 13 -- China's Average Annual Change in Population and Per Capita Consumption

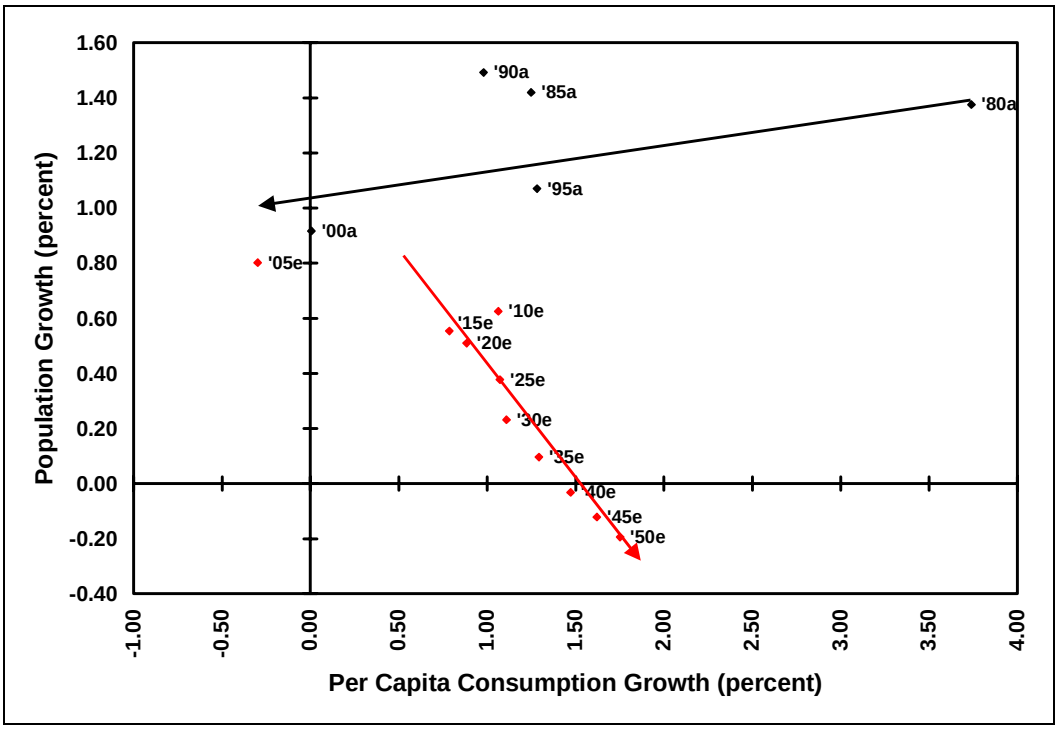

Figure 14 -- China's Per Capita Consumption of Grain

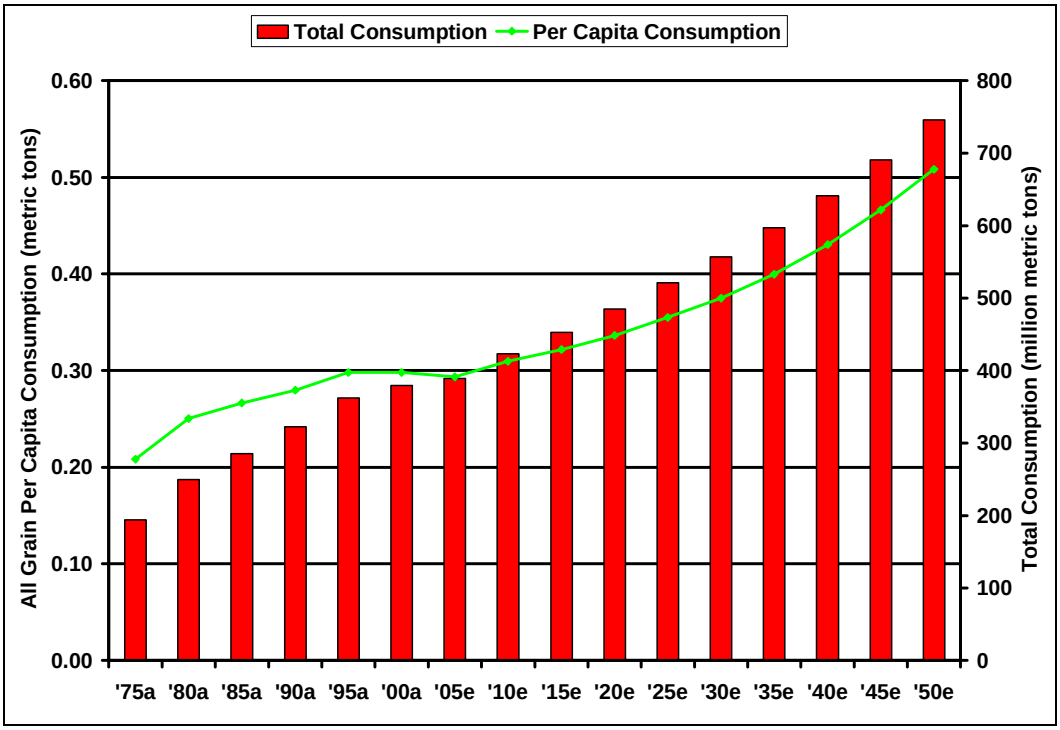

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Figure 15 -- India's Average Annual Change in Population and Per Capita Consumption

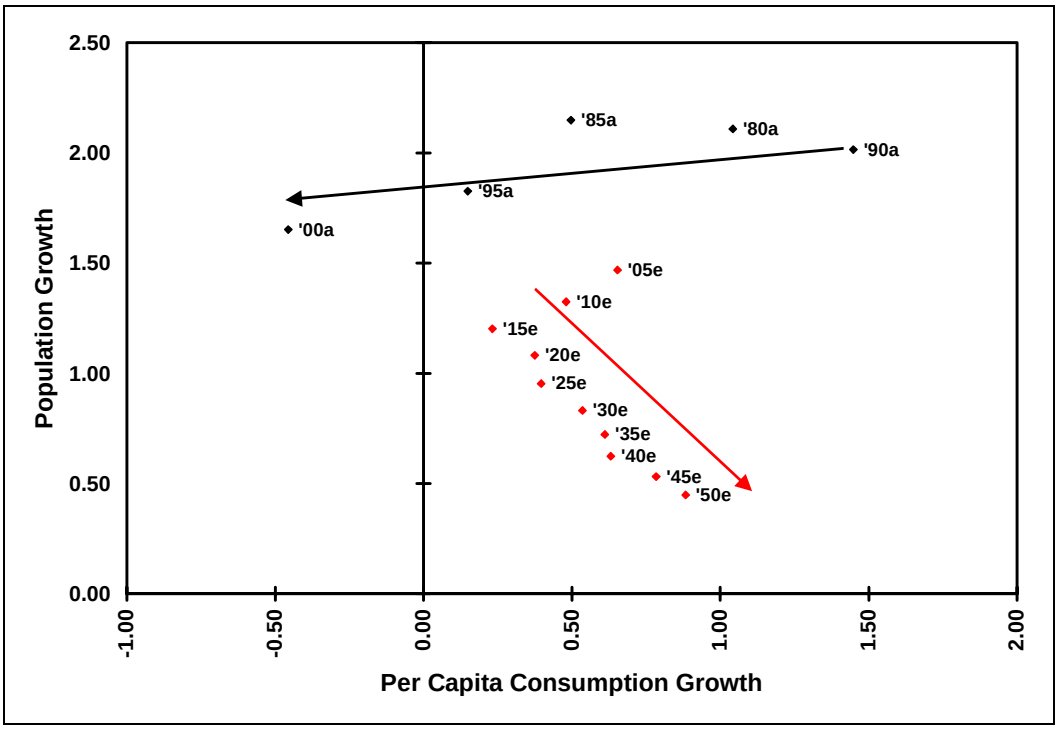
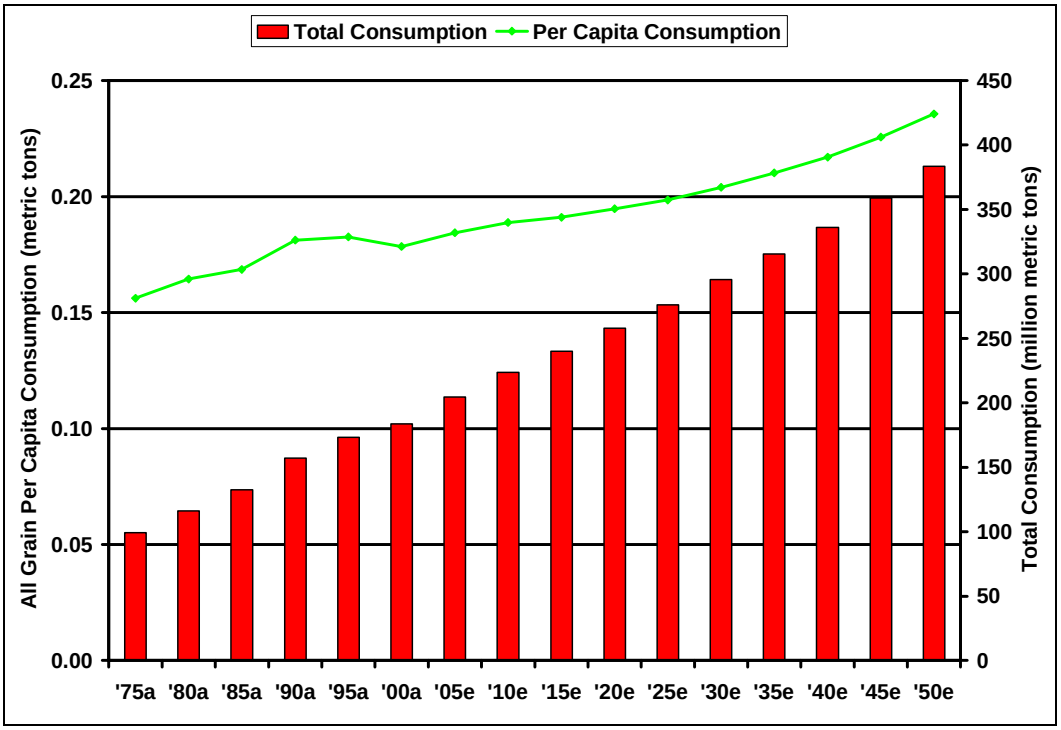


Figure 16 -- India's Per Capita Consumption and Total Consumption of Grain



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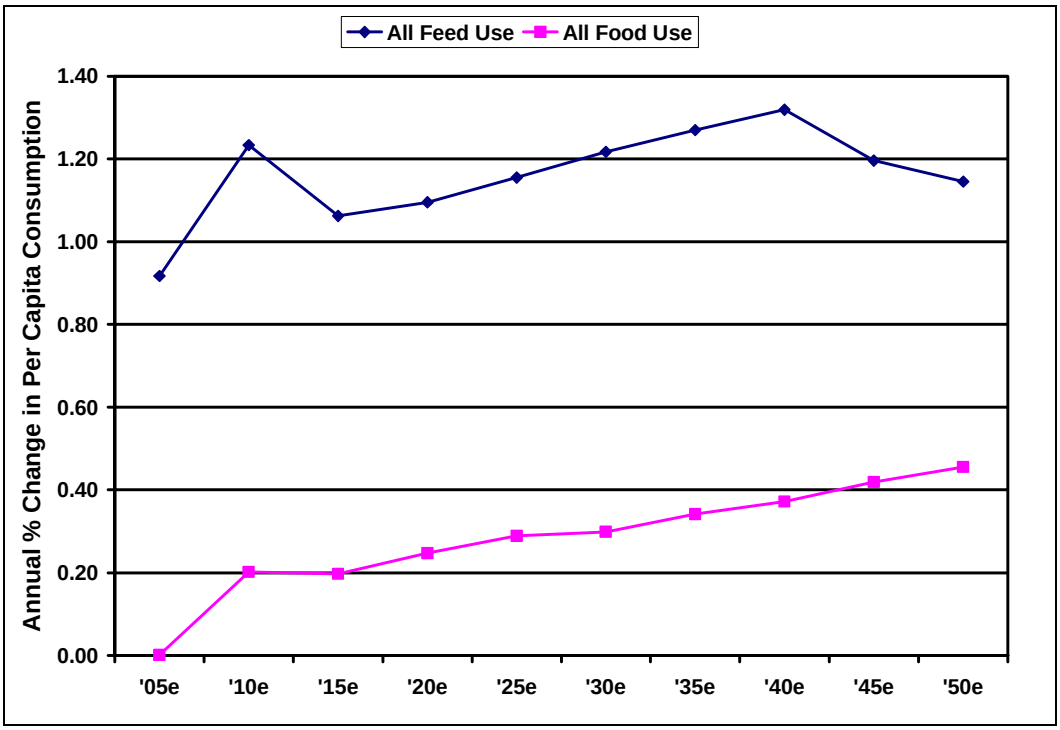
Usage

Individual country per capita consumption rates of change for grain used as feed, grain used for food and other uses, and protein meal use were set consistent with growth over the past 20-25 years, with consideration given to relative levels in other countries. The only geographic areas for which experience of the past 20-25 years was not the dominant factor in the forecast period were the Former Soviet Union and Central Europe. The declines in usage rates within the Former Soviet Union and the Central European regions during the last 10-15 years were associated with the demise of centrally planned governments and the accompanying economic implosion that led to significantly lower usage. The usage rates forecast for these regions assume that the pattern of the past decade will be reversed and that increasing per capita use will occur.

Expanding grain use will be dominated by livestock feeding as opposed to its direct use as food or other uses (industrial uses). This is consistent with the 20-25 year trend. Per capita consumption of grain for feeding uses is expected to increase at some four times the rate of the per capita consumption for food and other uses (Figure 17).

Figure 17 -- Coarse Grain Feed and Food & Other Use, Average Annual Change, 2000-2050



China's grain consumption is forecast as a function of their domestic production and limited imports. Imports of coarse grains and wheat over the forecast period are limited to a specified portion of total usage similar to that implied by the TRQ (tariff rate quota) quantities during the initial years of their WTO (World Trade Organization) membership as shown in Table 10.

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Specifically, wheat imports are assumed to be equal to 6 percent of usage, and coarse grain imports are assumed to be 5.5 percent of coarse grain usage. Oilseed imports are not restricted.

Table 10 -- WTO Concessions Made by China On Select Bulk Agricultural Products

WTO Concessions Made By China On Selected Bulk Agricultural Products

Item	Tariff	Initial 2002 Quota	Final 2004 Quota	Period	Private Share 1/
Wheat	1%	8.46 mmt	9.60 mmt	02-04	10%
Corn	1%	5.85	7.20	02-04	32-40%
Rice	1%	3.32	5.32	02-04	50%
Soybeans	3%	0	0		
Soymeal	5%	0	0		
Soyoil	9%	2.52	3.59	02-06	66-100%
Palm Oil	NA	2.40	3.17	02-06	66-100%
Canola Oil	9%	0.88	1.24	02-05	66-100%
Cotton	1%	0.82	0.89	02-04	33%

1/ The portion of the TRQ that is available for private importers.

India was assumed to continue to be self-sufficient in its grain supply/use balance over the forecast period as they have been for several decades.

Per capita protein meal (prepared animal feed) usage rates by country/region, were set consistent with patterns of the past 20-25 years and constrained to not exceed 40 percent of the individual country/regions grain feeding rate. (The 40 percent usage is equivalent to meal usage representing 28.5 percent of the grain plus meal total.)

A summary of the use of the key drivers for all scenarios, relative to the Central Scenario, is shown in Table 11 (the scenario component matrix).

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Table 11 -- Scenario Component Matrix

Scenario Drivers	Key Variables	Trade Scenarios			
		Least Favorable	Hypoxia	Central Scenario	Favorable	Most Favorable
World Trade	International trade policy (WTO)	The general movement toward less encumbered world trade relations is assumed to persist throughout the time period considered, though there will unquestionably be periods of more rapid advancement and even periods of retrenchment along with ever-present bilateral disputes.				
	GMO developments and acceptance	Common acceptance is assumed across all scenarios. The use of GMO technology in grain and oilseed production is widely accepted through out the major producing regions of the world. Most importing countries accept GMO grains and oilseeds with no reservations while others require labeling of selected products derived from theri being processed. GMO technology is assumed to continue to expand into the foreseeable future.				
	China's willingness to participate in trade	Negligible grain trade is permitted with oilseed/meal trade unconstrained.	Identical to Central Scenario	Grain trade volume similar to that pledged by China as part of their WTO accension is assumed along with unconstrained oilseed/meal trade.	Identical to Most Favorable Scenario	Wheat imports more than three times and coarse grain imports nearly twice as large as those contained in the Cental Scenario are permitted with unconstrained oilseed/meal trade.
	India's willingness to participate in trade	Negligible grain trade is permitted with oilseed/meal trade unconstrained.	Identical to Central Scenario	Consistent with ongoing policies, grain trade is assumed to be negligible and oilseed complex trade is unconstrained.	Identical to Central Scenario	Wheat and coarse grain imports are permitted to supply a notable portion of domestic needs with unconstrained oilseed/meal trade allowed.
	General competitiveness of U.S. agriculture	A decline in U.S. relative competitiveness is reflected by a moderation in supply availability (yield growth moderated).	Identical to Central Scenario	Assumed to be consistent with currently prevailing relationships.	Identical to Central Scenario	Identical to Central Scenario
Crop Area	U.S. supply control policy (set-a-side)	A U.S. acreage reduction policy of 5 percent is assumed to begin in 2005 and continue thereafter.	Identical to Central Scenario	Total absence of acreage limiting policies is assumed over the time period considered.	Identical to Central Scenario	Identical to Central Scenario
	Conservation issues	No allowance is made for policies that measurably impact cultivated area beyond that of existing programs. The development of desirable conservatin practices that reduce soil, water, and air pollution will continue to evolve as t have in the past.				
	Hypoxia	Identical to Central Scenario	Specific crop area and yield impacts estiamated in the Topic 6 Report on the Integrated Assessment on Hypoxia in the Gu of Mexico were incorporated.	No specific policy addressing this issue is taken into consideration.	Identical to Central Scenario	Identical to Central Scenario
Crop Yield	Rate and uniformity of increase	A catch-up in technology used within producing areas outside the U.S. is incorporated through boosting non-U.S. yield growth rates relative to those assumed in the Central Scenario.	Identical to Central Scenario	Yield changes consistent with that of the past 20-25 years are assumed to continue.	Identical to Central Scenario	Identical to Central Scenario
	Climatic variability	No specific adjusments are made to any scenario as sufficintly quantified impacts do not exist that deal with worldwide production.				
Consumption	Ethanol and Bio-diesel	Grain used for ethanol in the U.S. is assumed to grow nearly 30 percent faster than the more historic rate included in the Central Scenario.	Identical to Central Scenario	Growth consistent with that of the past 20-25 years is assumed to continue.	Identical to Central Scenario	Identical to Central Scenario
	Population	Central Sceanrio population estimates for the countries/regions considered are increased in line with the population implied by the U.N.'s low variant estimates.	Identical to Central Scenario	U.S. Bureau of Census population estimates used.	Identical to Central Scenario	Central Sceanrio population estimates for the countries/regions considered are increased in line with the population implied by the U.N.'s high variant estimates.
	Per capita consumption	Identical to Central Scenario	Identical to Central Scenario	Growth consistent with that of the past 20-25 years is assumed to continue.	Identical to Central Scenario	Grain and protein meal consumption growth outside the U.S. was boosted some 5 percen as compared to that of the Central Scenario.

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Most Favorable Scenario: Adjustments

The MOST Favorable Scenario, by definition, quantifies a horizon that would be more beneficial to total U.S. farm product exports in volume terms. The results of the Most Favorable Scenario includes the following adjustments to the Central Scenario:

Chinese *willingness* to become a major world food importer
Specifically:
Starting in 2005, China's coarse grain imports move above the Central Scenario 5.5 percent of use constraint (based on current TRQs) with annual per capita consumption growth limited to 4 percent annually (growth in the Central Scenario averaged 2.83 percent over the 2000-2050 period). The import portion allowable was phased in over the 2005 to 2009 time frame in the following schedule: 6 percent in 2005, 7 percent in 2006, 8 percent in 2007, 9 percent in 2008, and 10 percent in 2009 and thereafter.

Starting in 2005, China's wheat imports move above the Central Scenario 6 percent of use constraint (based on current TRQs) with annual per capita consumption growth limited to 0.25 percent annually (growth in the Central Scenario averaged 0.18 percent over the 2000-2050 period). The import portion allowable was phased in over the 2005 to 2009 time frame in the following schedule: 8 percent in 2005, 12 percent in 2006, 14 percent in 2007, 18 percent in 2008, and 20 percent in 2009 and thereafter.

Indian *willingness* to become a major world food importer
Specifically:
Starting in 2005, India's coarse grain imports were permitted to support an annual per capita consumption growth of 2.5 percent annually (growth in the Central Scenario averaged 1.69 percent over the 2000-2050 period). Imports as a portion of total use allowed were phased in over the 2005 to 2009 time frame in the following schedule: 2 percent in 2005, 4 percent in 2006, 6 percent in 2007, 8 percent in 2008, and 10 percent in 2009 and thereafter.

Starting in 2005, India's wheat imports were permitted to support an annual per capita consumption growth of 0.8 percent annually (growth in the Central Scenario averaged 0.54 percent over the 2000-2050 period). Imports as a portion of total use allowed were phased in over the 2005 to 2009 time frame in the following schedule: 4 percent in 2005, 8 percent in 2006, 12 percent in 2007, 16 percent in 2008, and 20 percent in 2009 and thereafter.

Global warming supported* climate change *if it positively* impacts *on US* production *relative to non-US production
Specifically:
No specific adjustments were made, as we were unable to find quantifiable impacts that were sufficiently specified and scientifically supported across the major producing areas of the world.

***Robust* world population growth**
Specifically:

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The difference between the United Nation's medium variant and high variant population forecasts for each of the country/regions considered was applied to the Central Scenario population forecast. The resulting Most Favorable Scenario population rates of change are shown in Table 12.

Table 12 -- Most Favorable Scenario Annual Global Population Percent Change

REGION/COUNTRY	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA	1.07	0.91	0.98	1.00	0.93	1.01	1.03	1.06	1.03	1.03	1.05	1.06	1.07	1.07	1.08
CANADA	1.15	1.05	1.42	1.26	1.06	1.05	0.98	0.92	0.86	0.77	0.68	0.61	0.57	0.54	0.55
MEXICO	2.41	2.11	1.97	1.80	1.61	1.60	1.54	1.44	1.32	1.23	1.16	1.09	1.02	0.94	0.88
BRAZIL	2.45	2.15	1.84	1.48	1.10	1.08	1.06	0.90	0.78	0.72	0.70	0.68	0.64	0.59	0.56
ARGENTINA	1.64	1.46	1.40	1.27	1.19	1.22	1.20	1.14	1.06	0.96	0.89	0.84	0.80	0.75	0.69
OTHER LATIN AMERICA	2.11	2.11	2.06	1.92	1.71	1.67	1.62	1.56	1.47	1.38	1.29	1.21	1.13	1.07	1.01
W Europe	0.31	0.19	0.41	0.38	0.27	0.23	0.17	0.13	0.08	0.02	-0.04	-0.11	-0.15	-0.18	-0.21
CENTRAL EUROPE	0.72	0.49	0.23	-0.12	-0.02	-0.02	0.00	-0.03	-0.10	-0.17	-0.22	-0.24	-0.24	-0.23	-0.24
FSU-15	0.87	0.91	0.70	0.11	-0.12	0.06	0.30	0.40	0.30	0.24	0.30	0.36	0.37	0.33	0.31
JAPAN	0.85	0.64	0.41	0.26	0.19	0.17	0.01	-0.17	-0.32	-0.41	-0.44	-0.45	-0.45	-0.44	-0.46
TAIWAN	2.01	1.47	0.94	0.93	0.84	0.77	0.66	0.50	0.35	0.23	0.13	0.01	-0.14	-0.29	-0.39
SOUTH KOREA	1.55	1.25	0.99	1.06	0.97	0.86	0.68	0.50	0.38	0.33	0.28	0.19	0.06	-0.04	-0.08
CHINA	1.38	1.42	1.49	1.07	0.92	0.94	0.77	0.74	0.76	0.63	0.52	0.43	0.36	0.32	0.28
INDIA	2.11	2.15	2.02	1.83	1.65	1.58	1.53	1.51	1.42	1.30	1.21	1.16	1.11	1.06	1.01
INDONESIA	-0.01	-0.16	0.58	0.47	0.28	0.49	0.54	0.47	0.39	0.32	0.30	0.29	0.23	0.17	0.14
MALAYSIA	2.35	2.48	2.36	2.28	2.09	1.97	1.94	1.95	1.89	1.76	1.63	1.52	1.45	1.40	1.35
Other Asia, COE	2.32	2.19	2.06	1.95	1.74	1.78	1.68	1.57	1.43	1.33	1.26	1.20	1.12	1.04	0.96
AUSTRALIA	1.59	1.63	1.64	1.47	1.36	1.26	1.18	1.09	1.02	0.92	0.82	0.74	0.68	0.64	0.61
SOUTH AFRICA	2.56	2.74	2.54	1.51	0.73	-0.11	-0.84	-0.83	-0.60	-0.42	-0.21	0.02	0.28	0.55	0.78
N AFRICA & MIDDLE EAST	3.28	3.34	2.78	2.32	2.05	2.14	2.19	2.09	1.92	1.78	1.68	1.62	1.56	1.47	1.38
OTHER AFRICA	2.89	2.97	2.97	2.75	2.60	2.49	2.31	2.24	2.16	2.11	2.09	2.07	2.05	2.01	1.98
TOTAL	1.68	1.68	1.65	1.43	1.28	1.30	1.25	1.22	1.17	1.09	1.05	1.02	0.99	0.97	0.94

Source: United Nations, Department of Economic and Social Affairs

Robust per capita consumption

Specifically:

Per capita usage rate changes from the Central Scenario were increased by an increment equal to some 5 percent of the average 2000 to 2050 for all country/regions except for the U.S. World per capita food and other usage were implied to increase by 0.28 percent annually in the Central Scenario. To reflect robust consumption, per capita food and other consumption rates excluding that for the U.S. were raised by 0.014 percent over the 50-year time horizon being considered. The per capita grain feeding consumption rates excluding that for the U.S. were raised by 0.060 percent over the 50-year time horizon being considered from the 1.19 percent Central Scenario average. And, the per capita protein meal consumption rates, excluding that for the U.S., were raised 0.088 percent over the 50-year time horizon being considered from the 1.84 percent Central Scenario average.

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Least Favorable Scenario: Adjustments

The LEAST Favorable Scenario quantifies a horizon whereby total farm product exports would be expected to under perform the export outlook for all other scenarios. The Least Favorable Scenario includes the following adjustments to the Central Scenario:

Chinese *refusal* to become a major world food importer
Specifically:
China's coarse grain and wheat consumption was limited to exactly equal their production with no imports or exports occurring.

Indian *refusal* to become a major world food importer
Specifically:
India's coarse grain and wheat consumption was limited to exactly equal their production with no imports or exports occurring.

A *less than* favorable competitive position for U.S. production agriculture
Specifically:
U.S. yield growth rates for all crops considered were reduced by 10 percent from that assumed in the Central Scenario. For example, U.S. corn yields in the Central Scenario are assumed to increase by 1.38 percent annually (some 1.90 bushels in current terms). The 10 percent reduction lowers the annual increase to 1.24 percent or 1.71 bushels of the current U.S. yield level.

The 10 percent incremental adjustment applied to U.S. yields in the Least Favorable Scenario is a subjectively derived level that was perceived to be reasonable, allowing that element to impact but not dominate the scenario. Its specific impact is one of providing a 2025 U.S corn yield of 185 bushels per acre as compared to 191.4 bushels in the Central Scenario. The impact on soybean yield is one of implying a 2025 yield of 53.1 in the Least Favorable Scenario compared to 55.1 in the Central Scenario.

***Limited* supply control policies applied to U.S. crop production**
Specifically:
U.S. crop acreage was reduced 5 percent for 2005 and later years to reflect the impact of supply control policies.

Near-trend yield increases in the U.S. and *more optimistic increases* in other countries
Specifically:
In a manner similar to the yield reduction described in specifying a "less than favorable competitive position for U.S. production agriculture;" corn, wheat, and soybean yield growth rate assumptions of the Central Scenario for production outside of the U.S. was raised by 10 percent.

Global warming supported* climate change *if it negatively* impacts *on U.S.* production *relative to non-U.S. production
Specifically:

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No specific adjustments were made, as we were unable to find quantifiable impacts that were sufficiently specified and scientifically supported across the major producing areas of the world.

***Conservative* world population growth**

Specifically:

The difference between the United Nations medium variant and low variant population forecasts for each of the country/regions considered was applied to the Central Scenario population forecast. The resulting Least Favorable Scenario population rates of change are shown in Table 13.

Table 13 -- Least Favorable Scenario Annual Global Population Percent Change

REGION/COUNTRY	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA	1.07	0.91	0.98	1.00	0.93	0.79	0.69	0.62	0.60	0.57	0.53	0.45	0.38	0.32	0.29
CANADA	1.15	1.05	1.42	1.26	1.06	0.83	0.74	0.67	0.58	0.44	0.27	0.12	0.01	-0.07	-0.11
MEXICO	2.41	2.11	1.97	1.80	1.61	1.24	0.96	0.77	0.63	0.48	0.33	0.16	-0.01	-0.18	-0.34
BRAZIL	2.45	2.15	1.84	1.48	1.10	0.55	0.28	0.18	0.09	-0.04	-0.19	-0.34	-0.47	-0.59	-0.71
ARGENTINA	1.64	1.46	1.40	1.27	1.19	0.96	0.74	0.55	0.37	0.25	0.12	-0.03	-0.17	-0.31	-0.44
OTHER LATIN AMERICA	2.11	2.11	2.06	1.92	1.71	1.40	1.17	0.99	0.84	0.69	0.53	0.36	0.20	0.06	-0.07
W Europe	0.31	0.19	0.41	0.38	0.27	0.18	0.05	-0.06	-0.14	-0.23	-0.33	-0.46	-0.59	-0.73	-0.85
CENTRAL EUROPE	0.72	0.49	0.23	-0.12	-0.02	-0.07	-0.15	-0.23	-0.32	-0.42	-0.52	-0.63	-0.76	-0.87	-0.95
FSU-15	0.87	0.91	0.70	0.11	-0.12	-0.02	0.06	0.10	-0.02	-0.12	-0.14	-0.20	-0.32	-0.47	-0.57
JAPAN	0.85	0.64	0.41	0.26	0.19	0.06	-0.13	-0.35	-0.52	-0.65	-0.75	-0.85	-0.94	-1.01	-1.10
TAIWAN	2.01	1.47	0.94	0.93	0.84	0.77	0.66	0.50	0.35	0.23	0.13	0.01	-0.14	-0.29	-0.39
SOUTH KOREA	1.55	1.25	0.99	1.06	0.97	0.74	0.52	0.30	0.13	0.00	-0.15	-0.33	-0.52	-0.69	-0.83
CHINA	1.38	1.42	1.49	1.07	0.92	0.66	0.38	0.28	0.25	0.12	-0.08	-0.28	-0.47	-0.60	-0.71
INDIA	2.11	2.15	2.02	1.83	1.65	1.36	1.11	0.88	0.71	0.58	0.43	0.28	0.13	-0.01	-0.14
INDONESIA	-0.01	-0.16	0.58	0.47	0.28	-0.04	-0.24	-0.26	-0.31	-0.44	-0.58	-0.72	-0.87	-1.00	-1.12
MALAYSIA	2.35	2.48	2.36	2.28	2.09	1.77	1.55	1.35	1.19	1.07	0.91	0.74	0.57	0.42	0.30
Other Asia, COE	2.32	2.19	2.06	1.95	1.74	1.41	1.14	0.97	0.82	0.65	0.47	0.30	0.14	-0.01	-0.15
AUSTRALIA	1.59	1.63	1.64	1.47	1.36	1.19	1.06	0.93	0.81	0.67	0.52	0.37	0.23	0.11	-0.01
SOUTH AFRICA	2.56	2.74	2.54	1.51	0.73	-0.53	-1.37	-1.51	-1.47	-1.38	-1.26	-1.09	-0.86	-0.62	-0.44
N AFRICA & MIDDLE EAST	3.28	3.34	2.78	2.32	2.05	1.70	1.62	1.49	1.34	1.16	0.97	0.81	0.68	0.54	0.41
OTHER AFRICA	2.89	2.97	2.97	2.75	2.60	2.17	1.90	1.79	1.69	1.58	1.45	1.35	1.26	1.19	1.10
TOTAL	1.68	1.68	1.65	1.43	1.28	1.04	0.84	0.72	0.63	0.52	0.39	0.26	0.14	0.03	-0.06

Source: United Nations, Department of Economic and Social Affairs

***Robust* U.S. use of bulk agriculture commodities as an alternative to petroleum based energy sources**

Specifically:

The U.S. per capita food and other, i.e., industrial uses, grain usage rate of change assumed in the Central Scenario was increased by some 0.5 percent for the 2005-2025 timeframe to reflect this feature. This adjustment is equivalent to a grain used for ethanol production annual increase of some 4.5 percent during this period as compared to the increase of some 3.5 percent incorporated into the Central Scenario.

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Favorable Scenario: Adjustments

The FAVORABLE Scenario quantifies a horizon that is identical to the Central Scenario with the exception of the assumed Chinese disposition toward larger grain imports. China's Central Scenario grain trade assumption was described as a "reluctance to become a major world food importer" specified in the Central Scenario assumption section. The Chinese disposition toward grain imports assumed in this Favorable Scenario is one of "willingness to become a major world food importer," and is identical to that assumed in the Most Favorable Scenario.

Specifically:
Starting in 2005, allow China's coarse grain imports to move above the Central Scenario 5.5 percent of use constraint with annual per capita consumption growth limited to 4 percent annually (growth in the Central Scenario averaged 2.83 percent over the 2000-2050 period). The import portion allowable was phased in over the 2005 to 2009 time frame in the following schedule: 6 percent in 2005, 7 percent in 2006, 8 percent in 2007, 9 percent in 2008, and 10 percent in 2009 and thereafter.

Starting in 2005, allow China's wheat imports to move above the Central Scenario's 6 percent of use constraint with annual per capita consumption growth limited to 0.25 percent annually (growth in the Central Scenario averaged 0.18 percent over the 2000-2050 period). The import portion allowable was phased in over the 2005 to 2009 time frame in the following schedule: 8 percent in 2005, 12 percent in 2006, 14 percent in 2007, 18 percent in 2008, and 20 percent in 2009 and thereafter.

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Hypoxia Scenario: Adjustments

The Hypoxia Scenario quantified in this project is the "20 percent reduction in Nitrogen loss alternative" as specified in Chapter 4: Costs of Alternative Control Options, Evaluation of the Economic Costs and Benefits of Methods for Reducing Nutrient Loads to the Gulf of Mexico, Topic 6 Report for the Integrated Assessment on Hypoxia in the Gulf of Mexico (U.S. Department of Commerce, National Oceanic Atmospheric Administration). The estimated acreage and yield changes by crop derived in that work are applied to U.S. Central Scenario area and yield values beginning in 2007 through 2050. Since no policy has yet identified an implementation date, a beginning year that is five-years from now could allow for adequate implementation of such a policy. These are the only adjustments to the Central Scenario that were made in specifying the Hypoxia Scenario. Specific adjustments that were made are summarized in Table 14.

The Topic 6 Report associated an export volume drop of some 6 percent with the 20 percent nitrogen loss reduction activity. The Hypoxia Scenario constructed here results in a 9 percent drop in grain and oilseed export volume from that of the Central Scenario during the first five years of its consideration (2007-2011). The inclusion of cotton in the Topic 6 Report has export volume partially explaining the difference as cotton exports were suggested to increase by nearly 4 percent and cotton lint exports were not included in this work. Commodities for which direct comparison can be made include corn, down 5 percent in the Topic 6 Report and down 6 percent in the Hypoxia Scenario; soybeans, up 2 percent in the Topic 6 Report and down 1 percent herein; and wheat, down 9 percent in the Topic 6 Report and down 25 percent in this analysis.

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Table 14 -- Hypoxia Scenario Adjustment Derivation

Crop	U.S. Baseline Acreage 2/	Acreage Changes with 20% N Loss Reductions 3/			Implied Yield		
	Million Acres	Percent Change	Million Acres	Million Hectares	Baseline	20% reduction	Percent Change
Wheat	75.5	-7.0%	-5.3	-2.14	33.4	33.8	1.01%
Rice	2.9	-0.9%	0.0	-0.01	5958.6	5925.7	-0.55%
Corn	81.3	-0.1%	-0.1	-0.03	124.4	122.2	-1.72%
Sorghum	10.9	-15.7%	-1.7	-0.69	62.8	59.4	-5.45%
Barley	7.2	2.2%	0.2	0.06	58.3	55.4	-4.95%
Oats	4.7	-4.4%	-0.2	-0.08	58.9	58.5	-0.68%
Sorghum, Barley, Oat	22.8	-7.7%	-1.8	-0.71	60.6	57.8	-4.57%
Soybeans	62.3	-2.9%	-1.8	-0.73	40.2	40.2	0.07%
Cotton	14.0	6.0%	0.8	- -	- -	- -	- -
Silage	6.7	-1.1%	-0.1	- -	- -	- -	- -
Hay	62.5	-3.5%	-2.2	- -	- -	- -	- -
Total	328.0	-3.2%	-10.4	- -	- -	- -	- -

1/ Based on estimates reported in Reducing Nutrient Loads, Especially Nitrate-Nitrogen, to Surface Water, Ground Water, and the Gulf of Mexico; Topic 6 Evaluation of Economic Costs and Benefits
2/ Topic 6 report TABLE 4.3
3/ Topic 6 report TABLE 4.4
4/ Derived from data acquired from Topic 6 report authors

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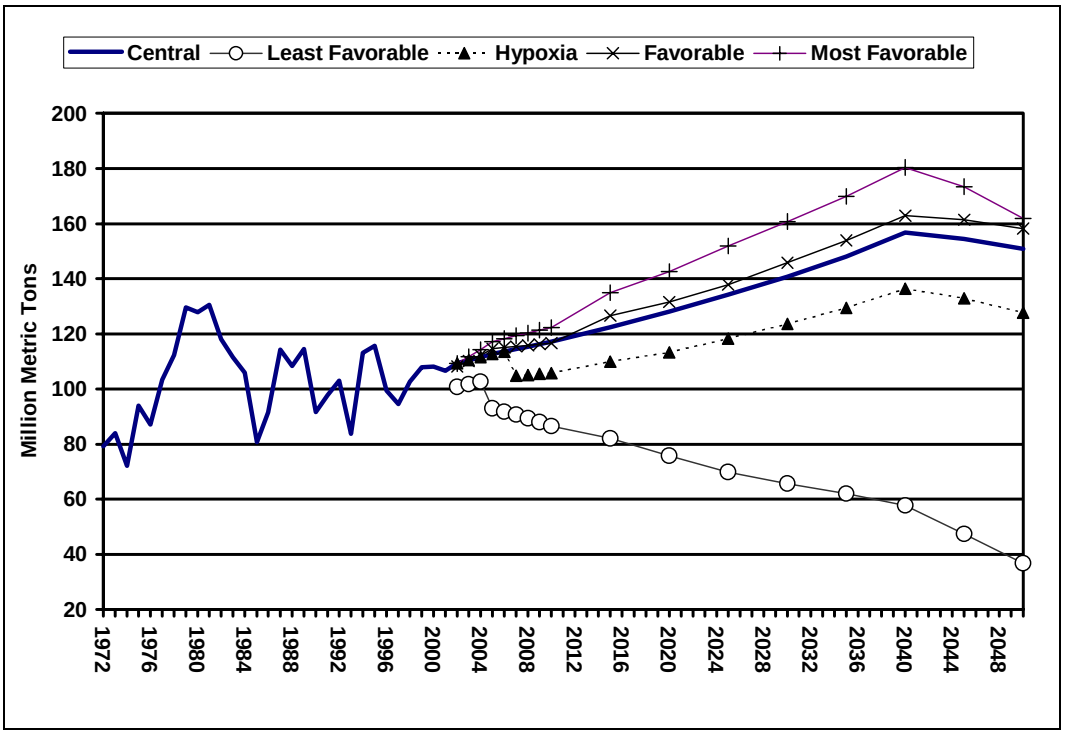
U.S. Farm Product Trade and Barge Demand

The resulting trade (export) and barge demand forecasts for U.S. farm products were prepared for each scenario for the period 2000-2050 and are presented in this section. U.S. farm product trade is first presented and followed by U.S. farm product barge transport by river segment.

U.S. Farm Product Trade

Exports of corn, wheat, soybeans, and protein meal were historically high in 1981 at 130.4 million metric tons. Over a three-year period, 1979-1981, exports averaged 129.2 million metric tons. In 2000, exports of those same grains totaled 108.2 million metric tons, 17 percent below the historical high, but 50 percent greater than the level of exports in 1974. Between 1995 and 2000, total exports averaged 104.8 million metric tons per year. Based on the Central Scenario, exports are forecast to total 130.2 million metric tons in 2025 and 145.9 million metric tons in 2050. Somewhere between 2020 and 2025, total grain exports are forecast to equal the historical high, nearly four decades later (Figure 18). The range of exports across all scenarios by 2050 are projected to be as high as 161.4 million metric tons under the Most Favorable Scenario, to as low as 36.8 million metric tons under the Least Favorable Scenario as shown in Figure 18. The range of exports could be as much as 15.5 million metric tons higher than the Central Scenario's projected export level or 109.1 million metric tons below the Central Scenario. Summary export results for each scenario are shown in Table 15 to Table 19.

Figure 18 -- U.S. Corn, Wheat, Soybean, and Meal Exports by Scenario, 1972 to 2050



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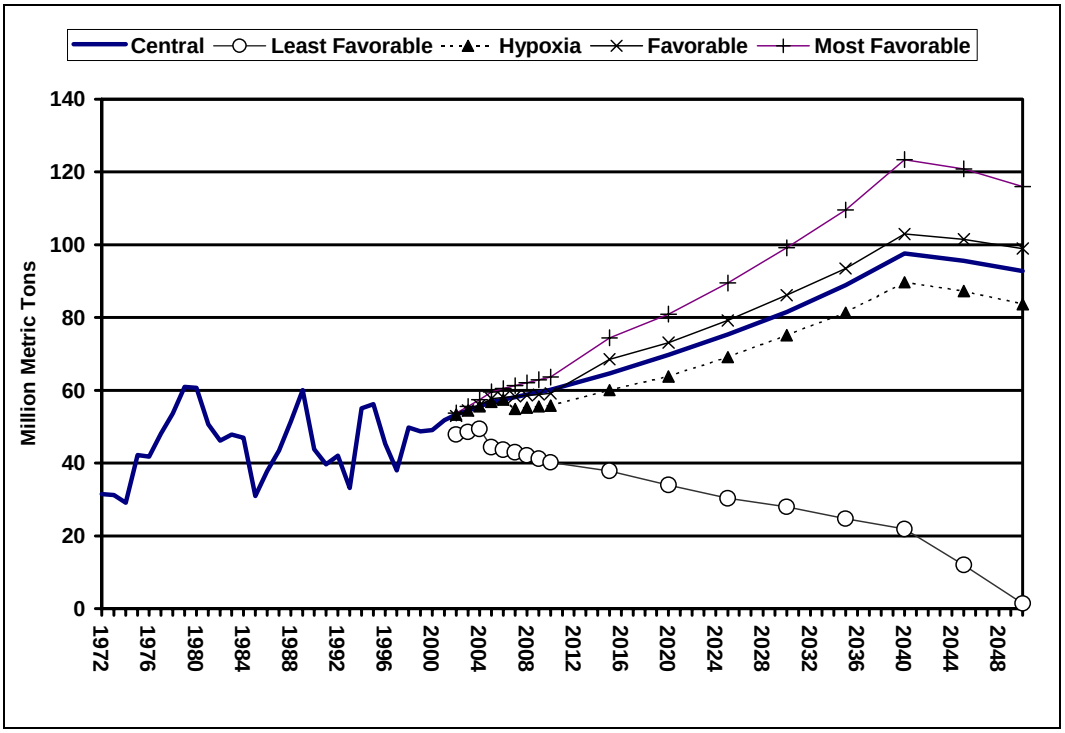
Exports of corn are expected to increase initially before retracting in about 2040 under all scenarios except the Least Favorable Scenario. Under the Least Favorable Scenario, corn exports are expected to be lower than exports in 2000 and fall below five million metric tons by 2050. Corn exports are expected to be at their highest level at 123.0 million metric tons in 2040 under the Most Favorable Scenario. The next highest level for corn exports is under the Favorable Scenario, but its high in 2040 would be about 5 million metric tons more than the Central Scenario high. The historical high for corn exports was 61 million metric tons in 1979, and depending on the scenario, corn exports could reach that level as early as 2007 under the Most Favorable Scenario, to as late as sometime between 2015 and 2020. The possible range of corn exports by scenario is shown in Figure 19.

Figure 19 -- U.S. Corn Exports by Scenario, 1972-2050



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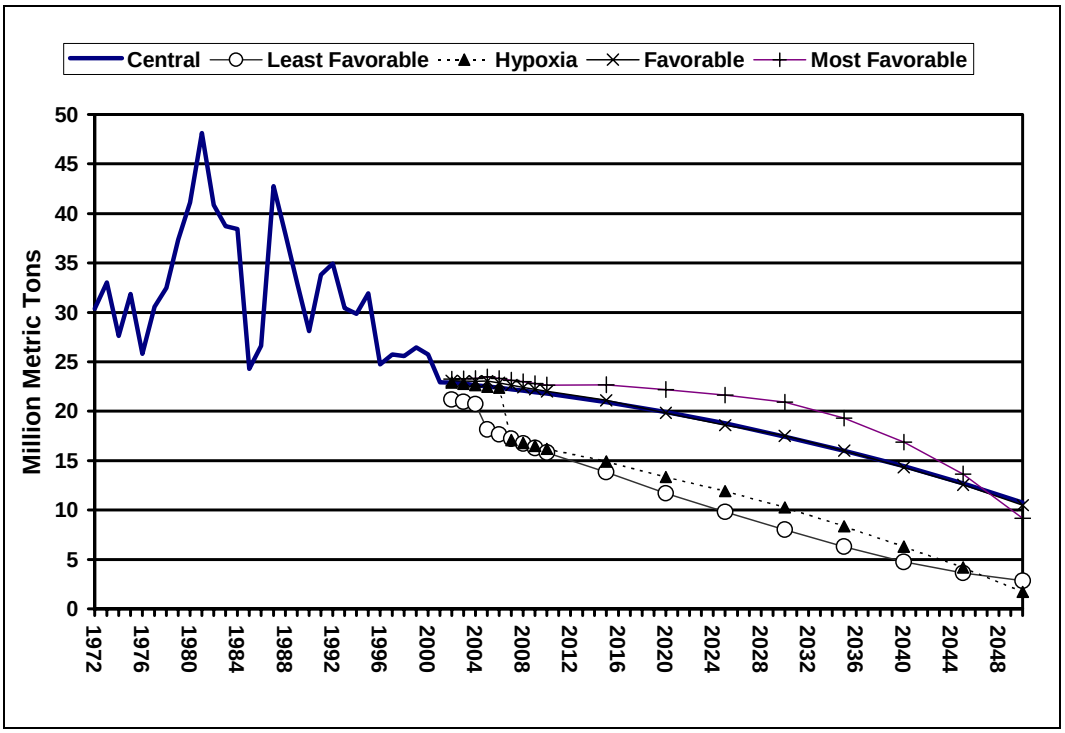
Regardless of the scenario, exports of wheat are expected to decrease throughout the forecast period. Under the Least Favorable and Hypoxia scenarios, wheat exports are expected to fall below 5 million metric tons by 2050, and are expected to be close to 10 million metric tons in all the other scenarios (Figure 20).

Figure 20 -- U.S. Wheat Exports by Scenario, 1972-2050



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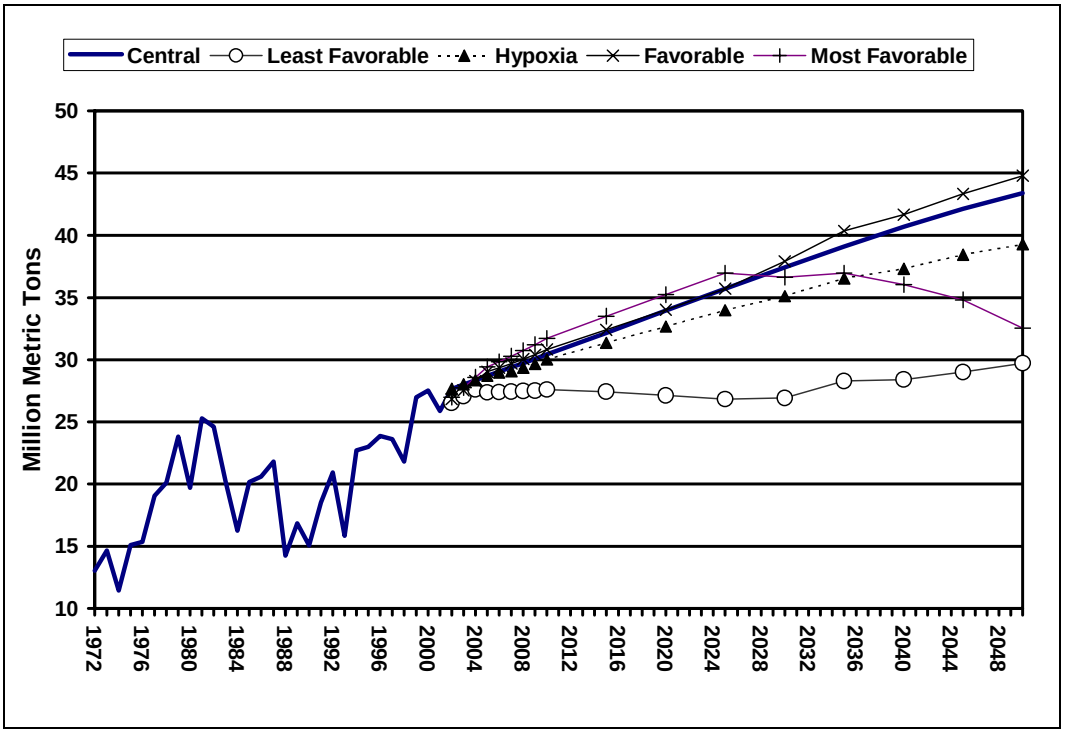
Soybean exports are expected to be higher under all scenarios (Figure 21). The Central, Favorable, and Hypoxia Scenarios all increase in a similar fashion, although, the Hypoxia grows at a slower rate after 2010. Under the Most Favorable Scenario, soybean exports initially rise to 37 million metric ton in 2035 before declining to 32.5 million in 2050. The reduction in soybean exports under the Most Favorable Scenario after 2035 occurs as U.S. consumption increases and draws down soybean exports.

Figure 21 -- U.S. Soybean Exports by Scenario, 1972-2050



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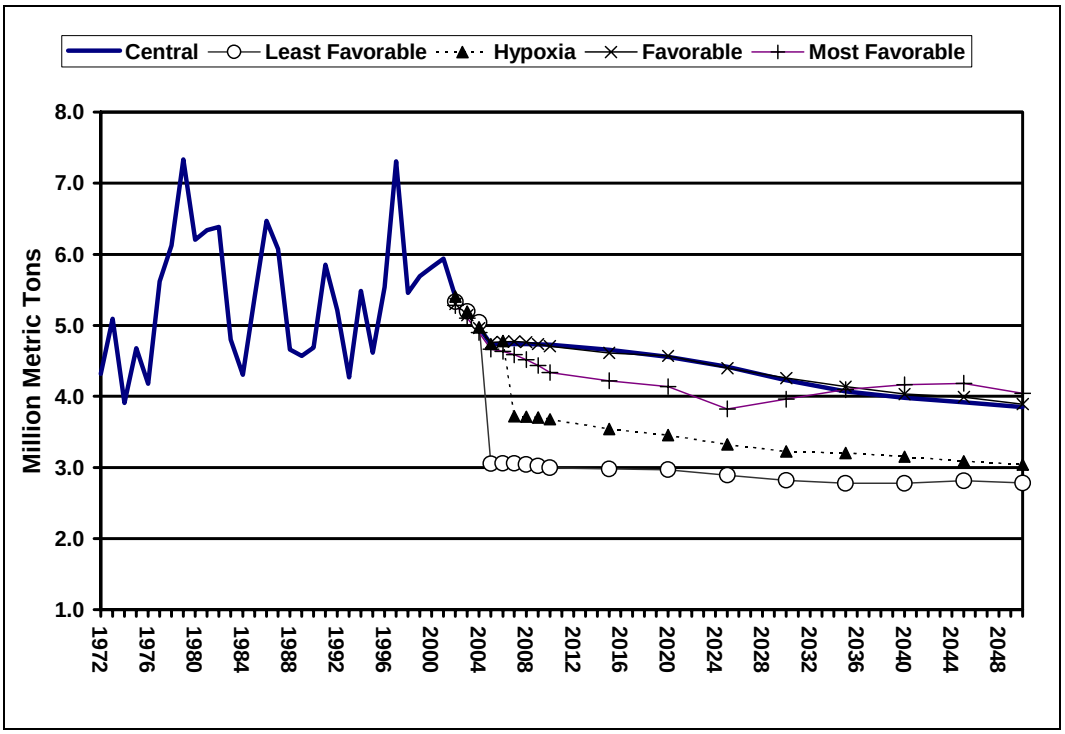
As with the case of wheat exports, protein or prepared animal feed exports are expected to be lower in all scenarios through 2050 (Figure 22). Although, while exports under the Most Favorable Scenario are mostly less than the Central and Favorable Scenarios, exports of protein meal are expected to rebound after 2020 under the Most Favorable Scenario.

Figure 22 -- U.S. Protein Meal (Prepared Animal Feeds) Exports by Scenario, 1972-2050



U.S. Farm Product Barge Transport

Summary results for barge movements, for each scenario, are shown in Table 15 to Table 19. The results of barge demand for each scenario, and all grains and oilseeds are shown in Figure 24 through Figure 46.

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Table 15 -- Grain Export and Barge Movements (million metric tons):

Central Scenario Summary	2000	2025	2050	Change 00-25	Change 25-50
Corn					
USA Exports	49.1	71.4	87.9	22.3	16.5
Center Gulf Exports	35.9	51.6	63.6	15.7	12.0
Barge Movements	24.0	38.1	46.9	14.1	8.8
Upper Mississippi	13.2	21.2	26.1	8.0	4.9
Illinois Waterway	10.8	16.8	20.8	6.1	3.9
Soybeans					
USA Exports	27.5	35.7	43.4	8.2	7.7
Center Gulf Exports	19.4	25.9	31.5	6.5	5.6
Barge Movements	10.2	13.5	16.5	3.3	2.9
Upper Mississippi	5.9	7.8	9.5	1.9	1.7
Illinois Waterway	4.3	5.7	6.9	1.4	1.2
Wheat					
USA Exports	25.7	18.8	10.8	-7.0	-8.0
Center Gulf Exports	6.6	4.3	2.5	-2.3	-1.8
Barge Movements	0.9	0.6	0.4	-0.3	-0.3
Upper Mississippi	0.6	0.4	0.2	-0.2	-0.2
Illinois Waterway	0.3	0.2	0.1	-0.1	-0.1
Meal					
USA Exports	5.8	4.4	3.9	-1.4	-0.6
Center Gulf Exports	4.9	3.4	3.0	-1.5	-0.4
Barge Movements	1.7	0.7	0.6	-1.0	-0.1
Upper Mississippi	0.6	0.5	0.4	-0.2	-0.1
Illinois Waterway	1.1	0.9	0.8	-0.2	-0.1
Total Movements					
USA Exports	108.2	130.2	145.9	22.1	15.7
Center Gulf Exports	66.8	85.3	100.6	18.4	15.3
Barge Movements	36.8	52.9	64.3	16.1	11.4
Upper Mississippi	20.4	29.9	36.3	9.6	6.4
Illinois Waterway	16.4	23.6	28.6	7.2	4.9

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Figure 23 -- Central Scenario Corn, Wheat, Soybean, and Meal Barge Movements, 1972-2050

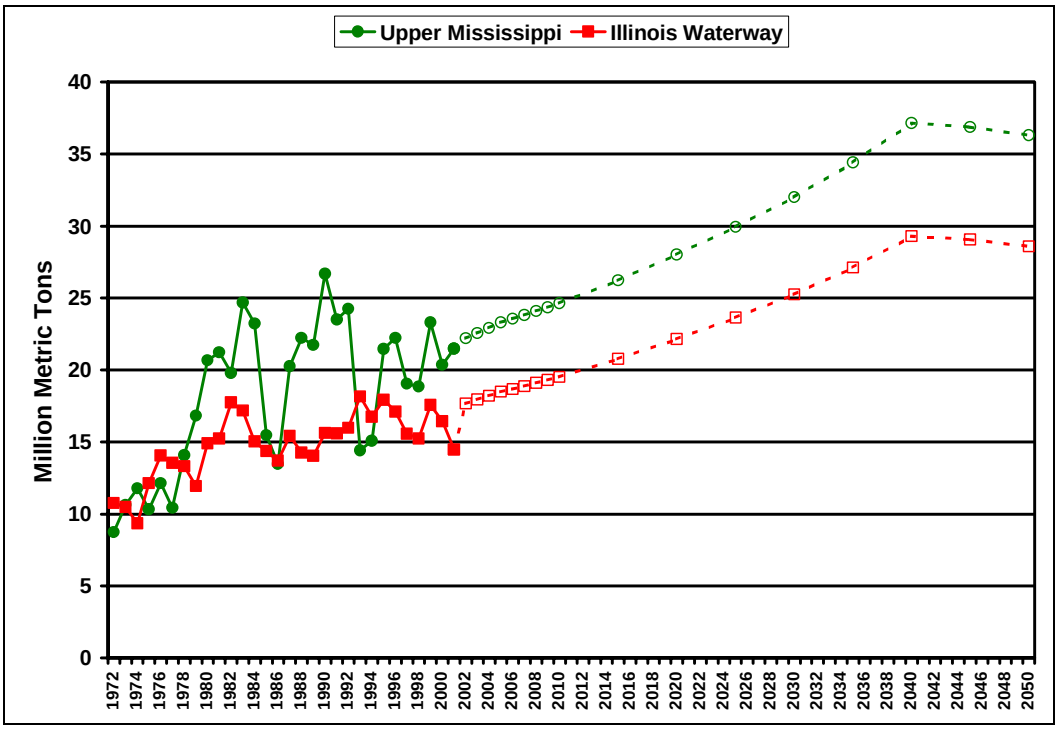

Figure 24 -- Central Scenario Corn Barge Movements, 1972-2050

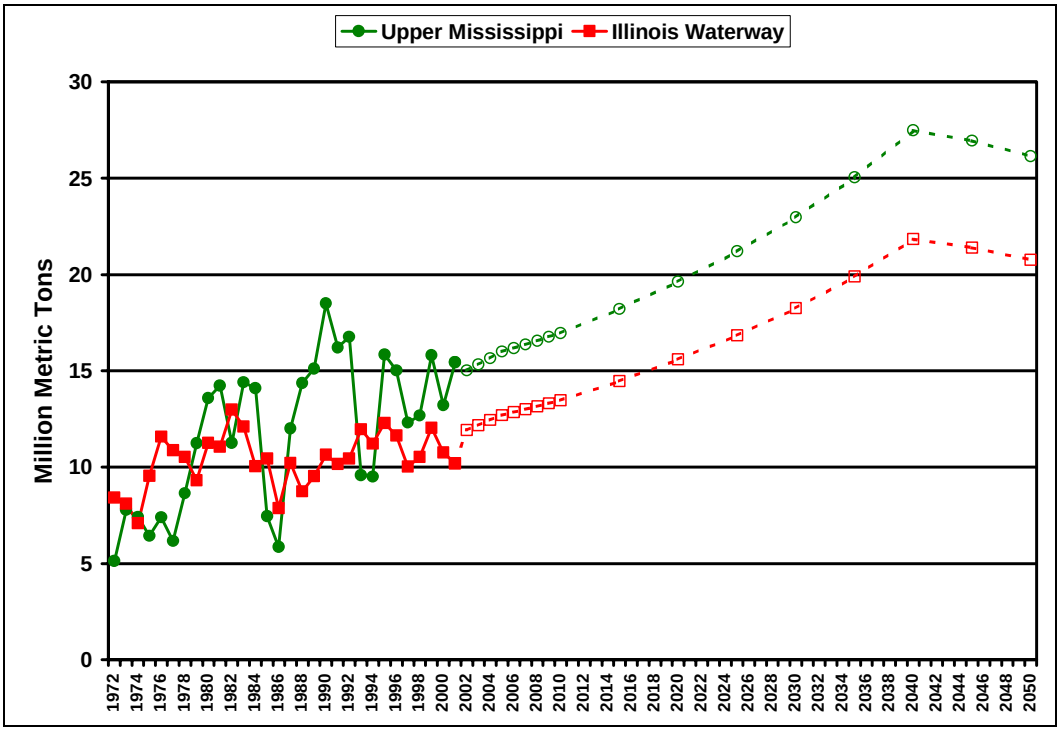

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Figure 25 -- Central Scenario Wheat Barge Movements, 1972-2050

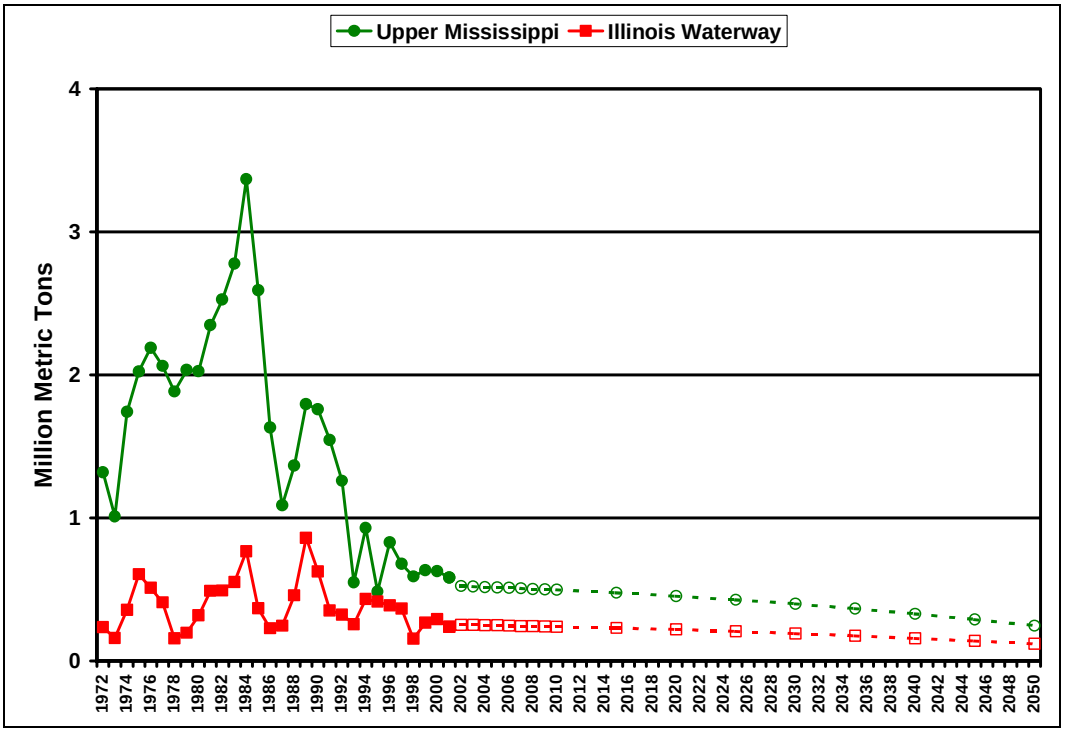

Figure 26 -- Central Scenario Soybean Barge Movements, 1972-2050

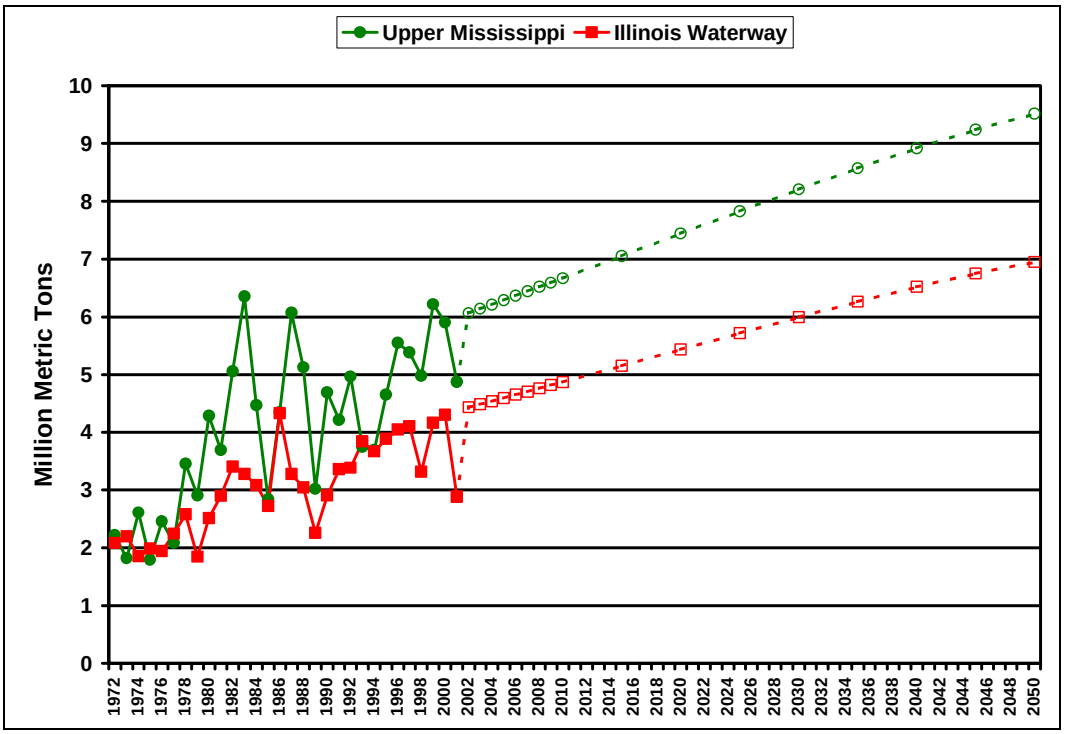

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Figure 27 -- Central Scenario Protein Meal (Prepared Animal Feed) Barge Movements, 1972-2050

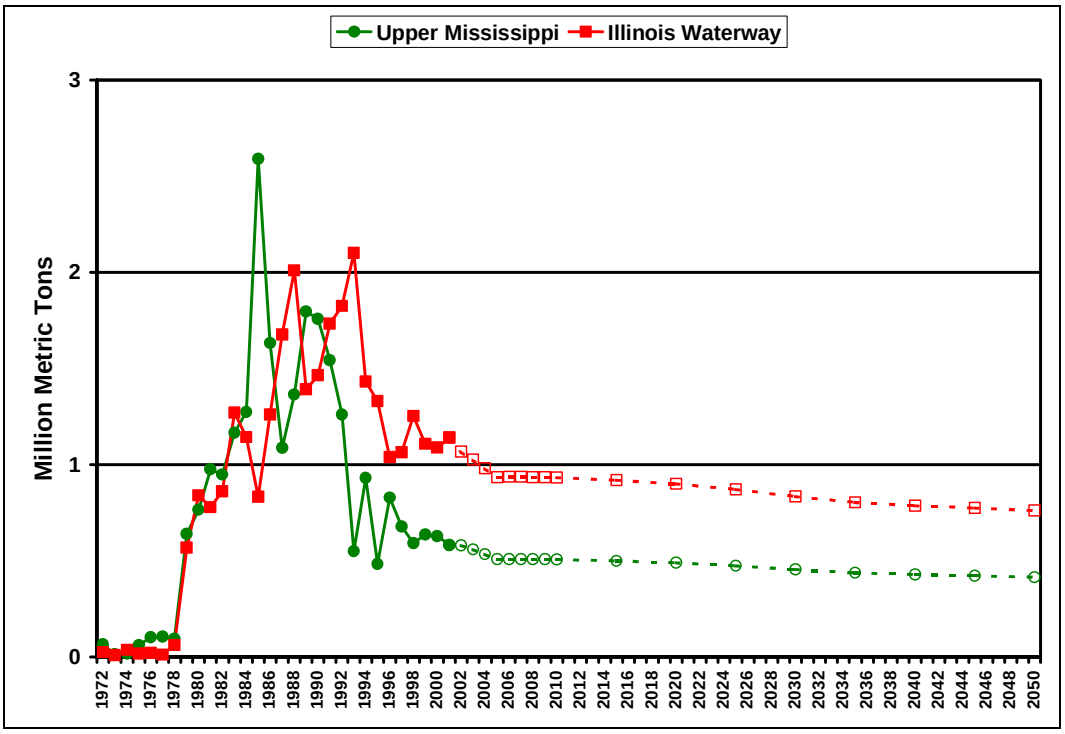

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Table 16 -- Grain Export and Barge Movements (million metric tons):

Most Favorable Scenario Summary	2000	2025	2050	Change 00-25	Change 25-50
Corn					
USA Exports	49.1	84.5	109.6	35.4	25.1
Center Gulf Exports	35.9	61.1	79.3	25.2	18.1
Barge Movements	24.0	45.1	58.4	21.1	13.4
Upper Mississippi	13.2	25.1	32.6	11.9	7.5
Illinois Waterway	10.8	19.9	25.9	9.2	5.9
Soybeans					
USA Exports	27.5	37.0	32.5	9.4	-4.4
Center Gulf Exports	19.4	26.8	23.6	7.4	-3.2
Barge Movements	10.2	14.0	12.3	3.8	-1.7
Upper Mississippi	5.9	8.1	7.1	2.2	-1.0
Illinois Waterway	4.3	5.9	5.2	1.6	-0.7
Wheat					
USA Exports	25.7	21.6	9.2	-4.1	-12.5
Center Gulf Exports	6.6	5.0	2.1	-1.6	-2.9
Barge Movements	0.9	0.7	0.3	-0.2	-0.4
Upper Mississippi	0.6	0.5	0.2	-0.1	-0.3
Illinois Waterway	0.3	0.2	0.1	-0.1	-0.1
Meal					
USA Exports	5.8	3.8	4.0	-2.0	0.2
Center Gulf Exports	4.9	2.9	3.1	-2.0	0.2
Barge Movements	1.7	0.6	0.6	-1.1	0.0
Upper Mississippi	0.6	0.4	0.4	-0.2	0.0
Illinois Waterway	1.1	0.8	0.8	-0.3	0.0
Total Movements					
USA Exports	108.2	146.9	155.3	38.7	8.4
Center Gulf Exports	66.8	95.9	108.1	29.0	12.3
Barge Movements	36.8	60.4	71.7	23.6	11.3
Upper Mississippi	20.4	34.1	40.3	13.7	6.2
Illinois Waterway	16.4	26.9	32.0	10.4	5.1

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Figure 28 -- Most Favorable Scenario Corn, Wheat, Soybean, and Meal Barge Movements, 1972-2050

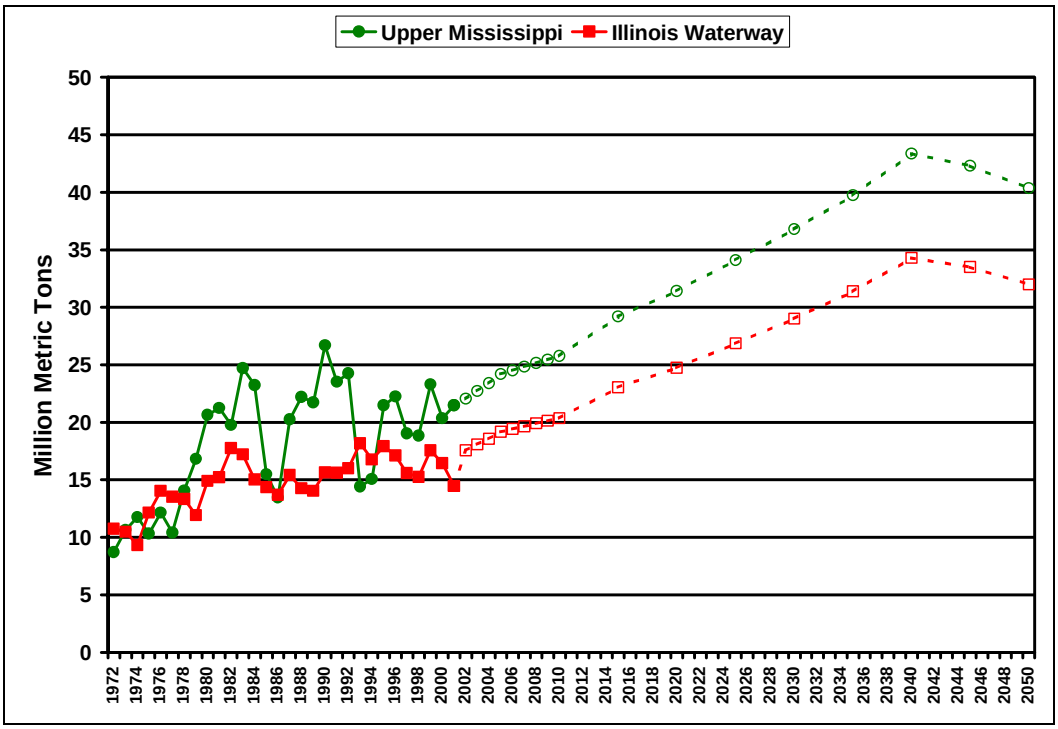

Figure 29 -- Most Favorable Scenario Corn Barge Movements, 1972-2050

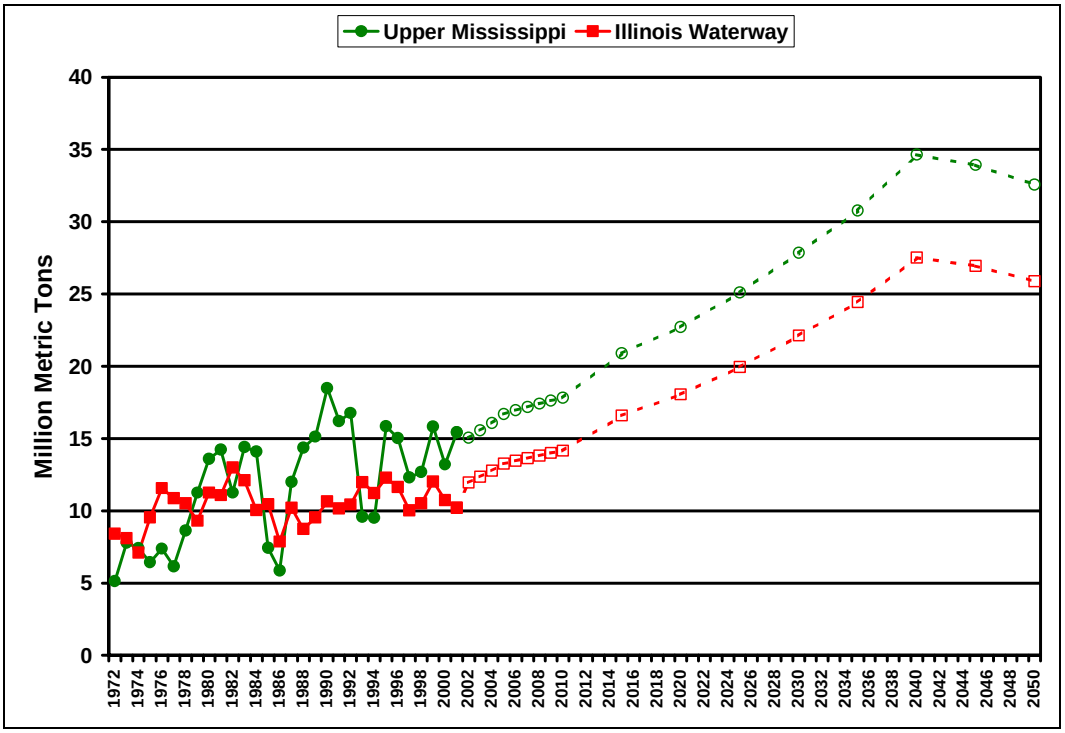

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Figure 30 -- Most Favorable Scenario Wheat Barge Movements, 1972-2050

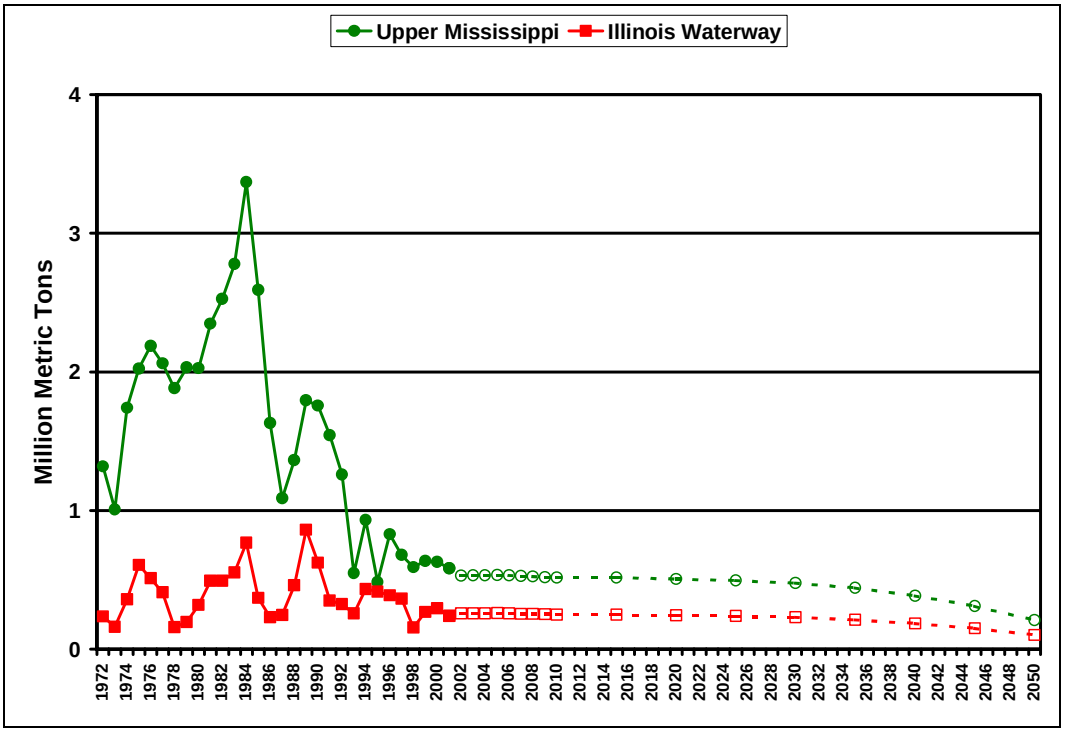

Figure 31 -- Most Favorable Scenario Soybean Barge Movements, 1972-2050

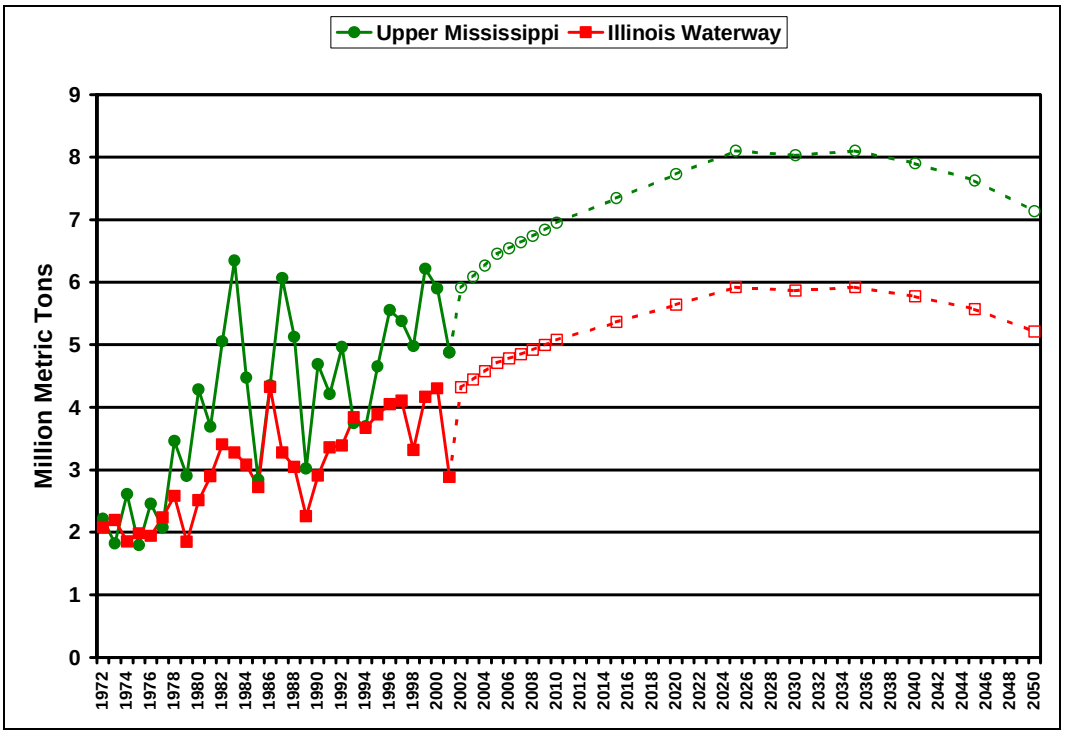

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Figure 32 -- Most Favorable Scenario Meal (Prepared Animal Feed) Barge Movements, 1972-2050

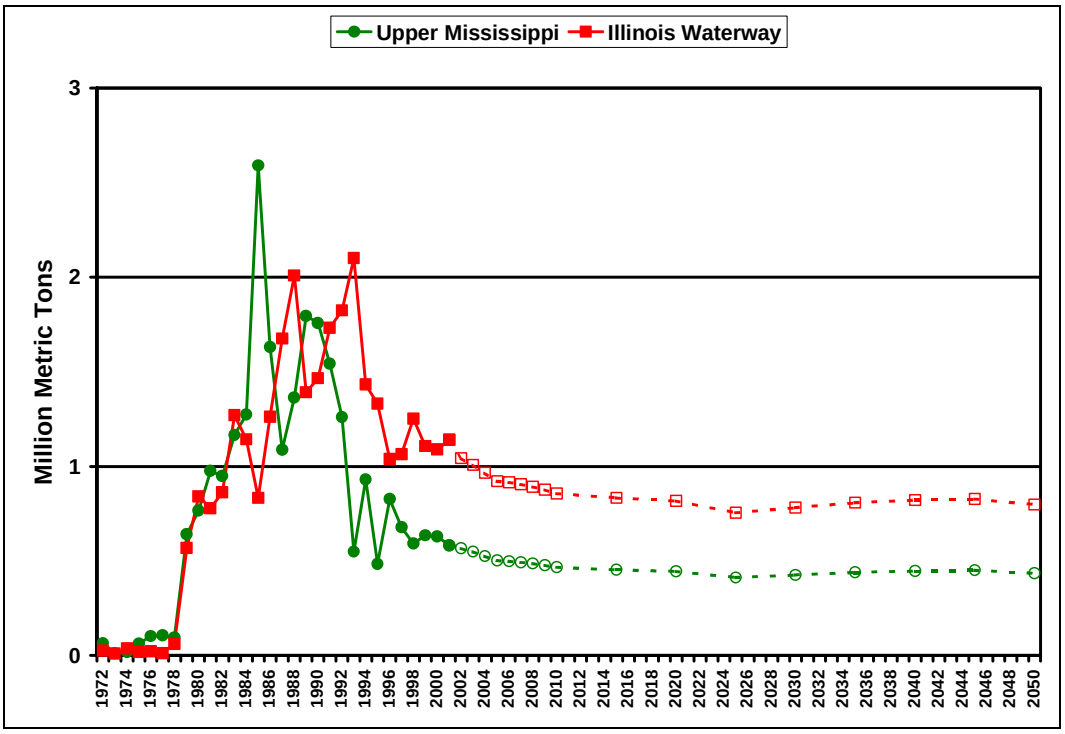

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Table 17 -- Grain Export and Barge Movements (million metric tons):

Least Favorable Scenario Summary	2000	2025	2050	Change 00-25	Change 25-50
Corn					
USA Exports	49.1	28.7	1.3	-20.4	-27.4
Center Gulf Exports	35.9	20.8	1.0	-15.2	-19.8
Barge Movements	24.0	15.3	0.7	-8.7	-14.6
Upper Mississippi	13.2	8.5	0.4	-4.7	-8.1
Illinois Waterway	10.8	6.8	0.3	-4.0	-6.5
Soybeans					
USA Exports	27.5	26.8	29.7	-0.7	2.9
Center Gulf Exports	19.4	19.5	21.6	0.1	2.1
Barge Movements	10.2	10.2	11.3	0.0	1.1
Upper Mississippi	5.9	5.9	6.5	0.0	0.6
Illinois Waterway	4.3	4.3	4.8	0.0	0.5
Wheat					
USA Exports	25.7	9.8	2.8	-15.9	-7.0
Center Gulf Exports	6.6	2.3	0.7	-4.3	-1.6
Barge Movements	0.9	0.3	0.1	-0.6	-0.2
Upper Mississippi	0.6	0.2	0.1	-0.4	-0.2
Illinois Waterway	0.3	0.1	0.0	-0.2	-0.1
Meal					
USA Exports	5.8	2.9	2.8	-2.9	-0.1
Center Gulf Exports	4.9	2.2	2.1	-2.7	-0.1
Barge Movements	1.7	0.5	0.4	-1.3	0.0
Upper Mississippi	0.6	0.3	0.3	-0.3	0.0
Illinois Waterway	1.1	0.6	0.5	-0.5	0.0
Total Movements					
USA Exports	108.2	68.3	36.7	-39.9	-31.6
Center Gulf Exports	66.8	44.7	25.4	-22.1	-19.4
Barge Movements	36.8	26.3	12.5	-10.5	-13.7
Upper Mississippi	20.4	14.9	7.3	-5.4	-7.7
Illinois Waterway	16.4	11.8	5.7	-4.7	-6.1

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Figure 33 -- Least Favorable Scenario Corn Barge Movements, 1972-2050

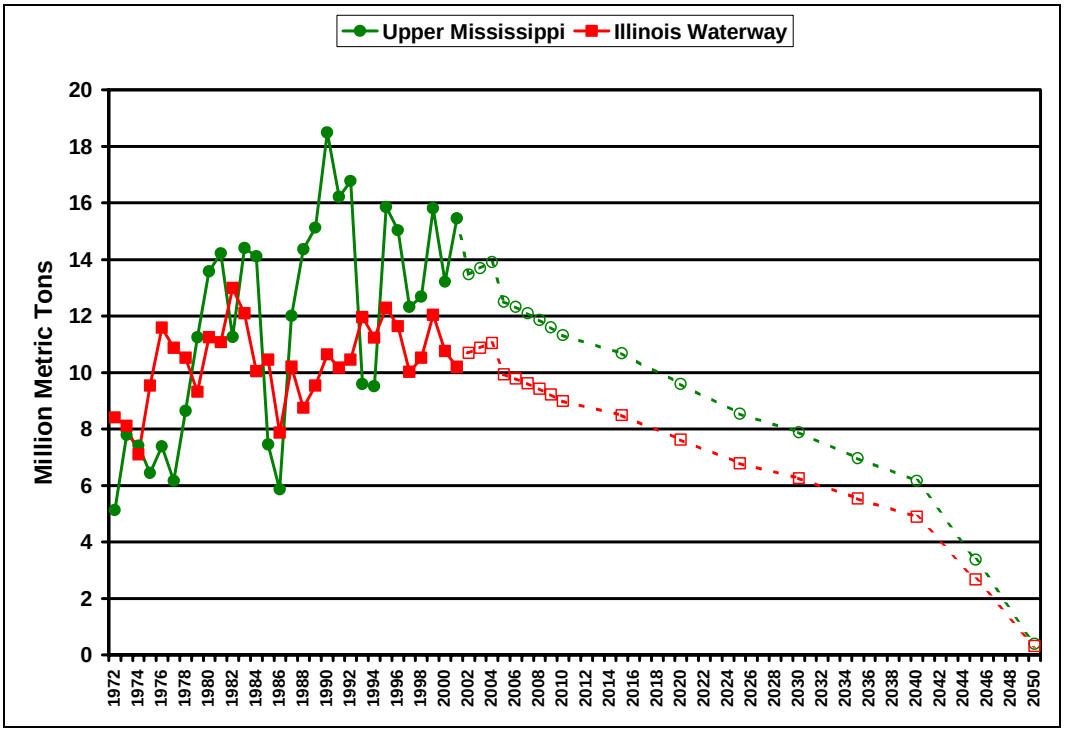

Figure 34 -- Least Favorable Scenario Wheat Barge Movements, 1972-2050

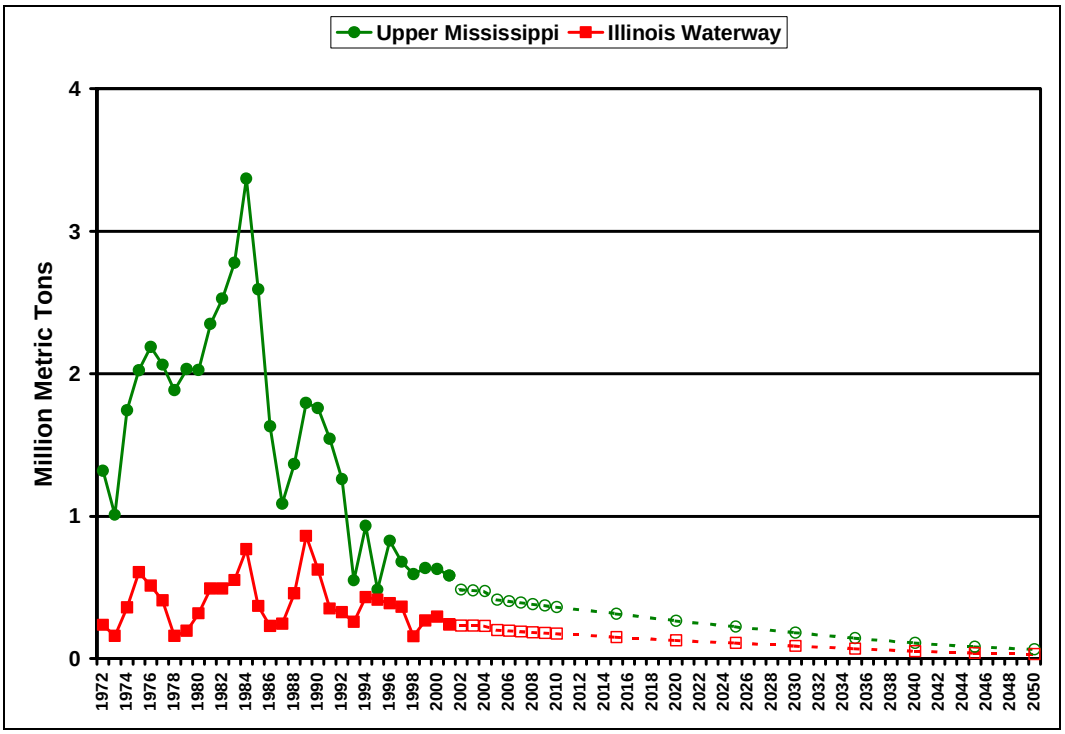

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Figure 35 -- Least Favorable Scenario Soybean Barge Movements, 1972-2050

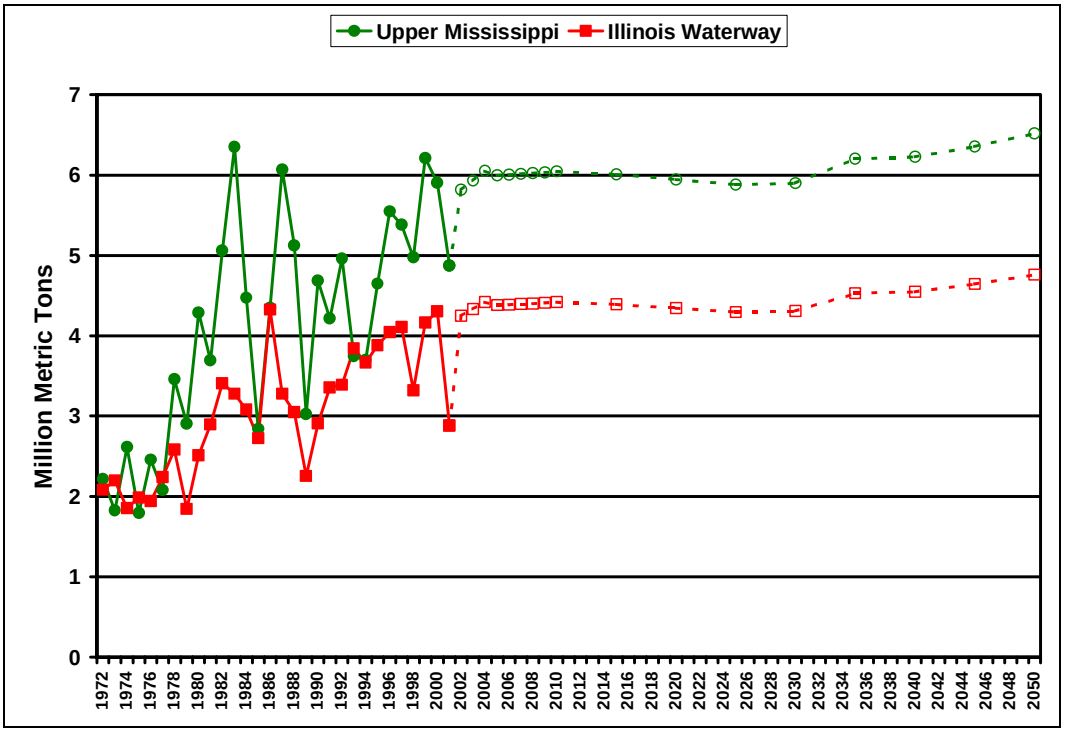

Figure 36 -- Least Favorable Scenario Protein Meal (Prepared Animal Feed) Barge Movements, 1972-2050

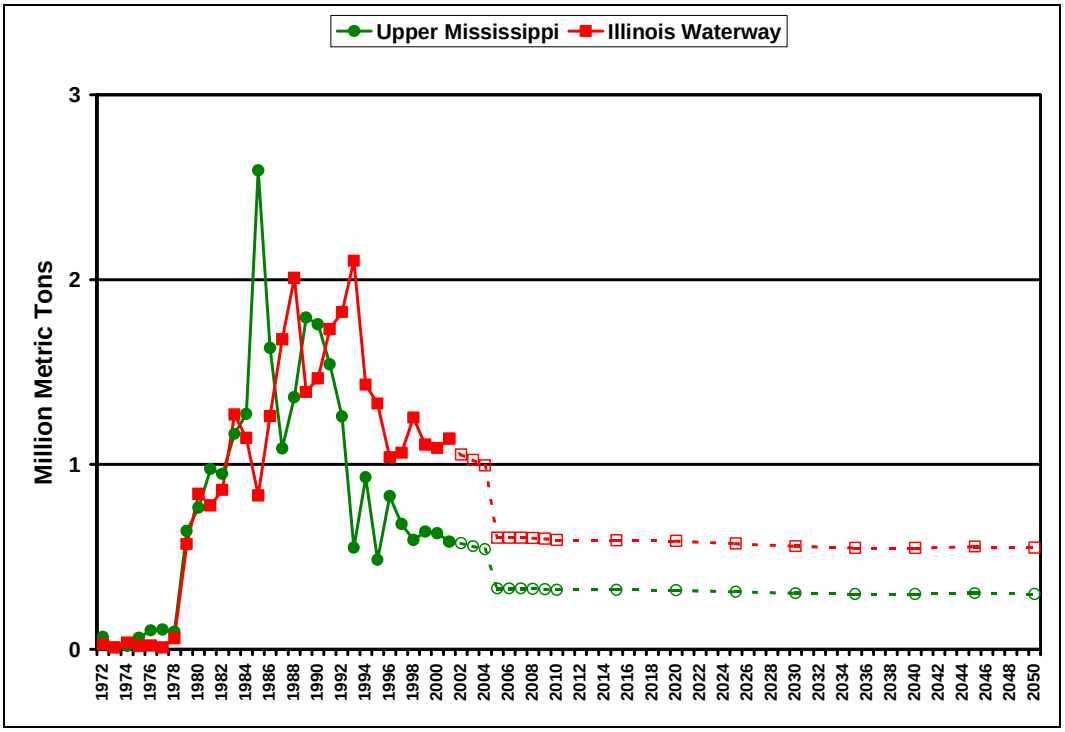

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Table 18 -- Grain Export and Barge Movements (million metric tons):

Favorable Scenario Summary	2000	2025	2050	Change 00-25	Change 25-50
Corn					
USA Exports	49.1	75.1	93.8	26.0	18.7
Center Gulf Exports	35.9	54.3	67.9	18.4	13.6
Barge Movements	24.0	40.0	50.0	16.1	10.0
Upper Mississippi	13.2	22.3	27.9	9.1	5.6
Illinois Waterway	10.8	17.7	22.1	7.0	4.4
Soybeans					
USA Exports	27.5	35.7	44.8	8.2	9.1
Center Gulf Exports	19.4	25.9	32.5	6.5	6.6
Barge Movements	10.2	13.5	17.0	3.3	3.4
Upper Mississippi	5.9	7.8	9.8	1.9	2.0
Illinois Waterway	4.3	5.7	7.2	1.4	1.5
Wheat					
USA Exports	25.7	18.6	10.5	-7.2	-8.1
Center Gulf Exports	6.6	4.3	2.4	-2.3	-1.9
Barge Movements	0.9	0.6	0.4	-0.3	-0.3
Upper Mississippi	0.6	0.4	0.2	-0.2	-0.2
Illinois Waterway	0.3	0.2	0.1	-0.1	-0.1
Meal					
USA Exports	5.8	4.4	3.0	-1.4	-1.4
Center Gulf Exports	4.9	3.4	2.3	-1.5	-1.0
Barge Movements	1.7	0.7	0.5	-1.0	-0.2
Upper Mississippi	0.6	0.5	0.3	-0.2	-0.1
Illinois Waterway	1.1	0.9	0.6	-0.2	-0.3
Total Movements					
USA Exports	108.2	133.8	152.1	25.6	18.4
Center Gulf Exports	66.8	87.9	105.1	21.1	17.3
Barge Movements	36.8	54.9	67.9	18.1	13.0
Upper Mississippi	20.4	31.0	38.3	10.7	7.2
Illinois Waterway	16.4	24.5	30.0	8.1	5.5

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Figure 37 -- Favorable Scenario Corn, Wheat, Soybean, and Meal Barge Movements, 1972-2050

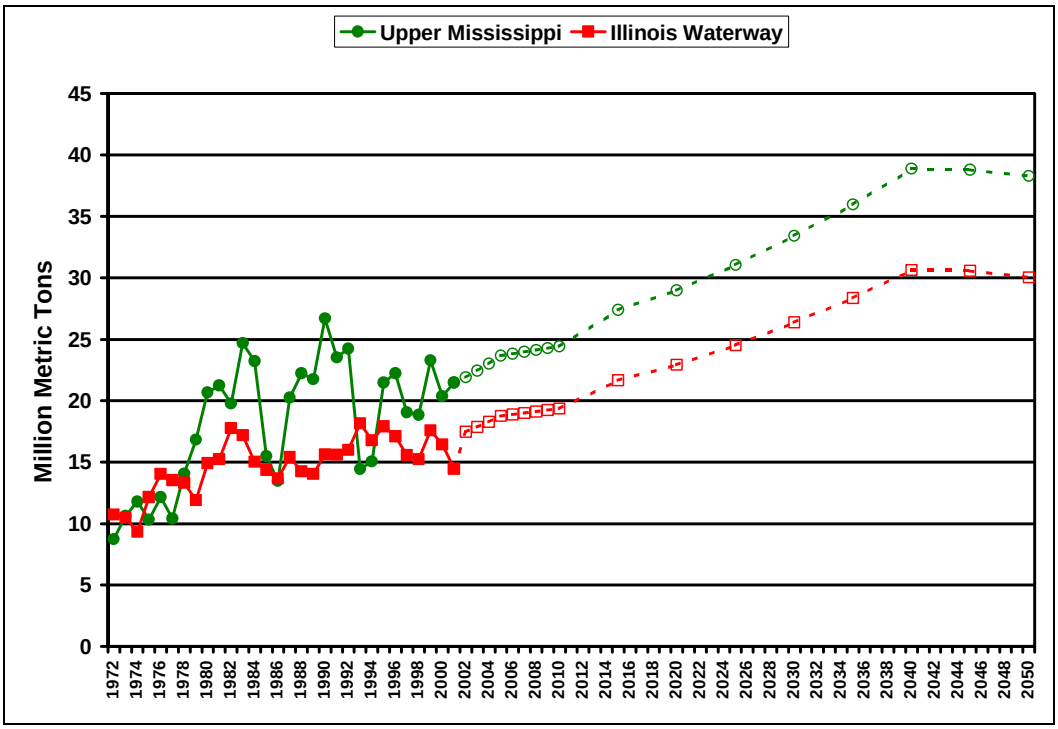

Figure 38 -- Favorable Scenario Corn Barge Movements, 1972-2050

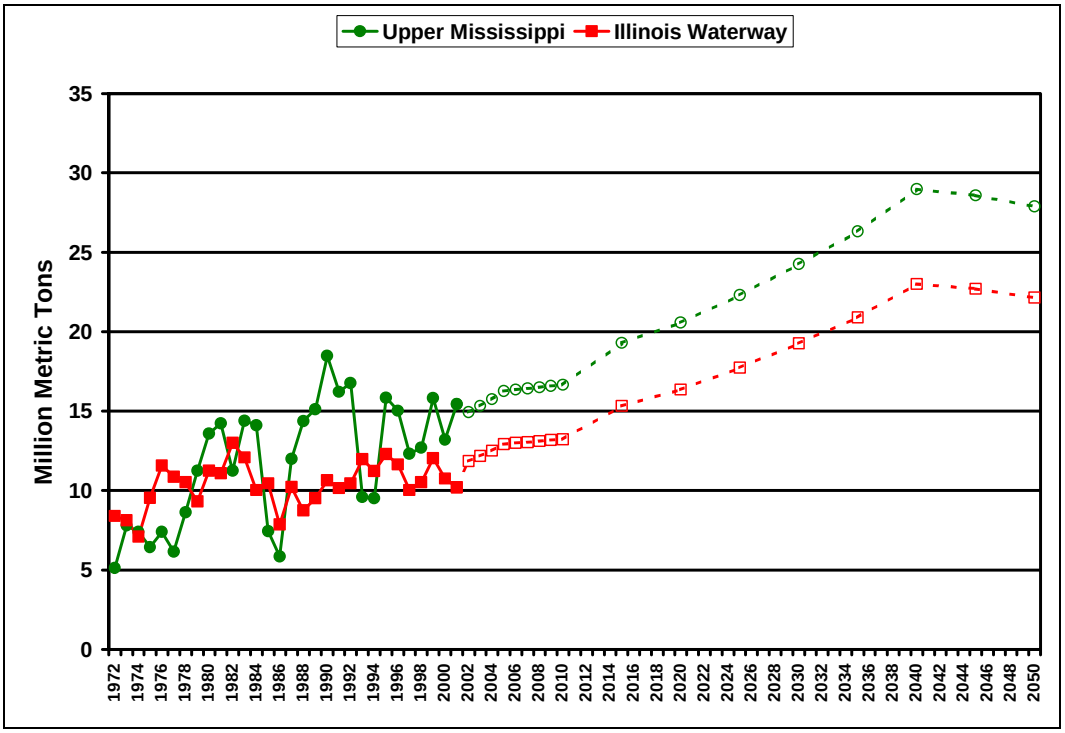

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Figure 39 -- Favorable Scenario Wheat Barge Movements, 1972-2050

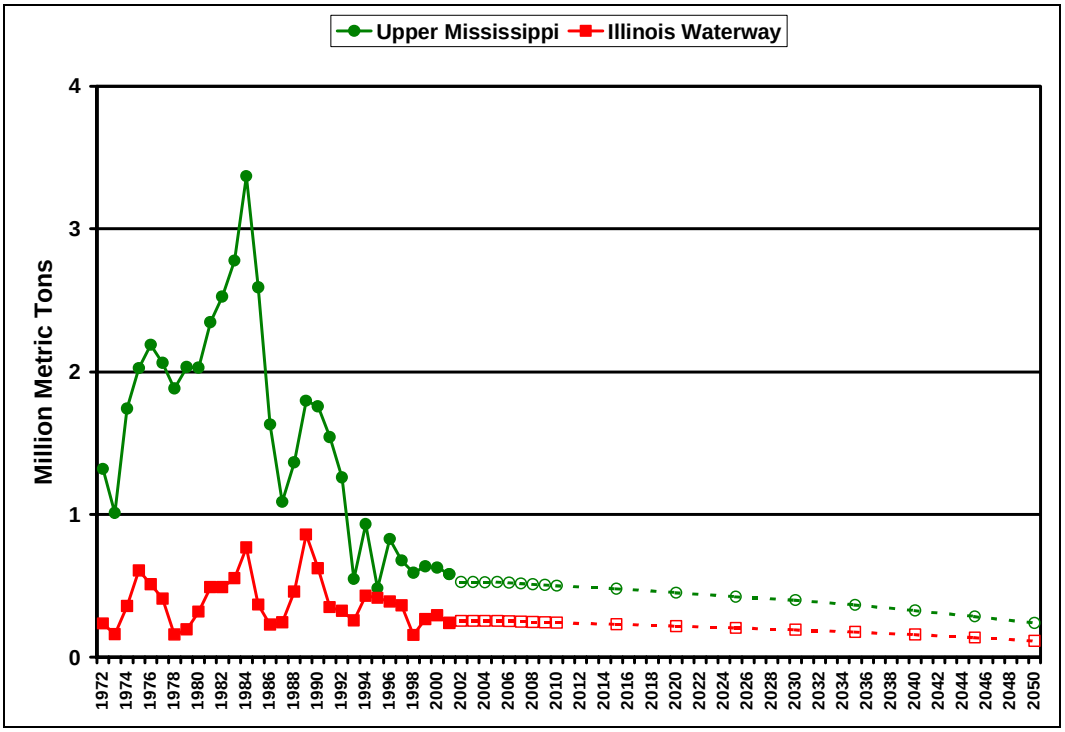

Figure 40 -- Favorable Scenario Soybean Barge Movements, 1972-2050

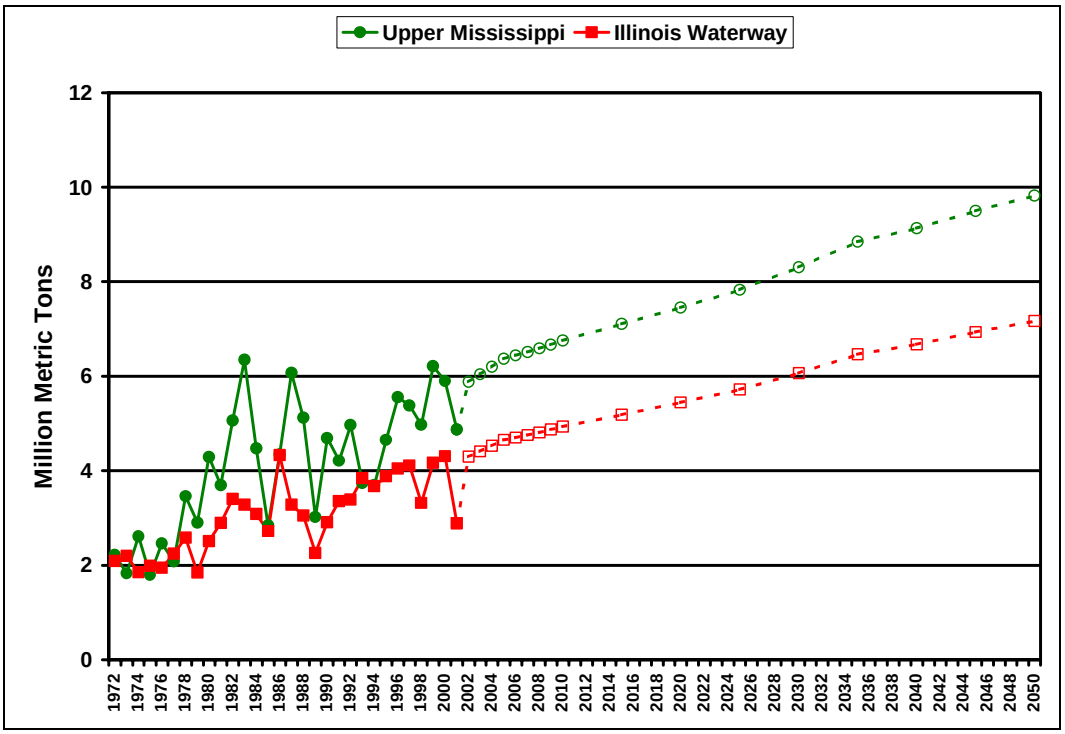

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Figure 41 -- Favorable Scenario Protein Meal (Prepared Animal Feed) Barge Movements, 1972-2050

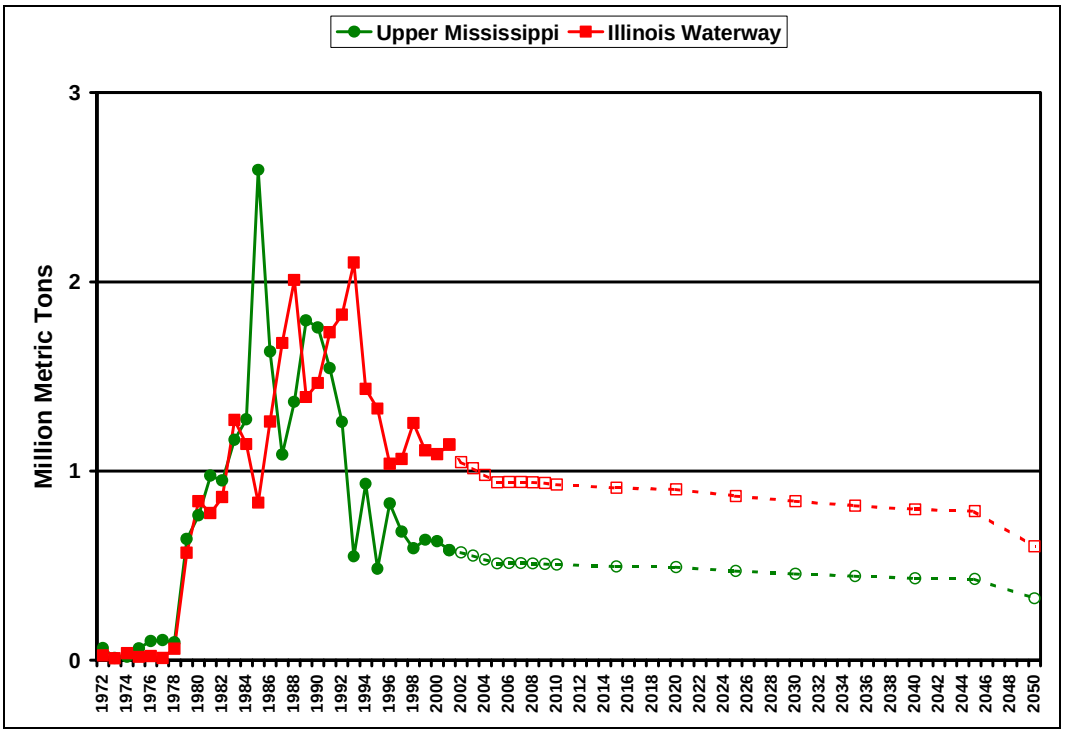

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Table 19 -- Grain Export and Barge Movements (million metric tons):

Hypoxia Scenario Summary	2000	2025	2050	Change 00-25	Change 25-50
Corn					
USA Exports	49.1	65.5	79.2	16.4	13.8
Center Gulf Exports	35.9	47.4	57.3	11.5	10.0
Barge Movements	24.0	34.9	42.3	11.0	7.3
Upper Mississippi	13.2	19.5	23.6	6.3	4.1
Illinois Waterway	10.8	15.5	18.7	4.7	3.2
Soybeans					
USA Exports	27.5	34.0	39.3	6.5	5.3
Center Gulf Exports	19.4	24.7	28.5	5.2	3.9
Barge Movements	10.2	12.9	14.9	2.7	2.0
Upper Mississippi	5.9	7.4	8.6	1.5	1.2
Illinois Waterway	4.3	5.4	6.3	1.1	0.8
Wheat					
USA Exports	25.7	11.9	1.7	-13.8	-10.2
Center Gulf Exports	6.6	2.7	0.4	-3.9	-2.3
Barge Movements	0.9	0.4	0.1	-0.5	-0.3
Upper Mississippi	0.6	0.3	0.0	-0.4	-0.2
Illinois Waterway	0.3	0.1	0.0	-0.2	-0.1
Meal					
USA Exports	5.8	3.3	3.0	-2.5	-0.3
Center Gulf Exports	4.9	2.6	2.3	-2.4	-0.2
Barge Movements	1.7	0.5	0.5	-1.2	0.0
Upper Mississippi	0.6	0.4	0.3	-0.3	0.0
Illinois Waterway	1.1	0.7	0.6	-0.4	-0.1
Total Movements					
USA Exports	108.2	114.7	123.3	6.5	8.6
Center Gulf Exports	66.8	77.3	88.6	10.5	11.3
Barge Movements	36.8	48.7	57.7	11.9	9.0
Upper Mississippi	20.4	27.5	32.5	7.2	5.0
Illinois Waterway	16.4	21.7	25.6	5.2	3.9

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Figure 42 -- Hypoxia Scenario Corn, Wheat, Soybean, and Protein Meal Barge Movements, 1972-2050

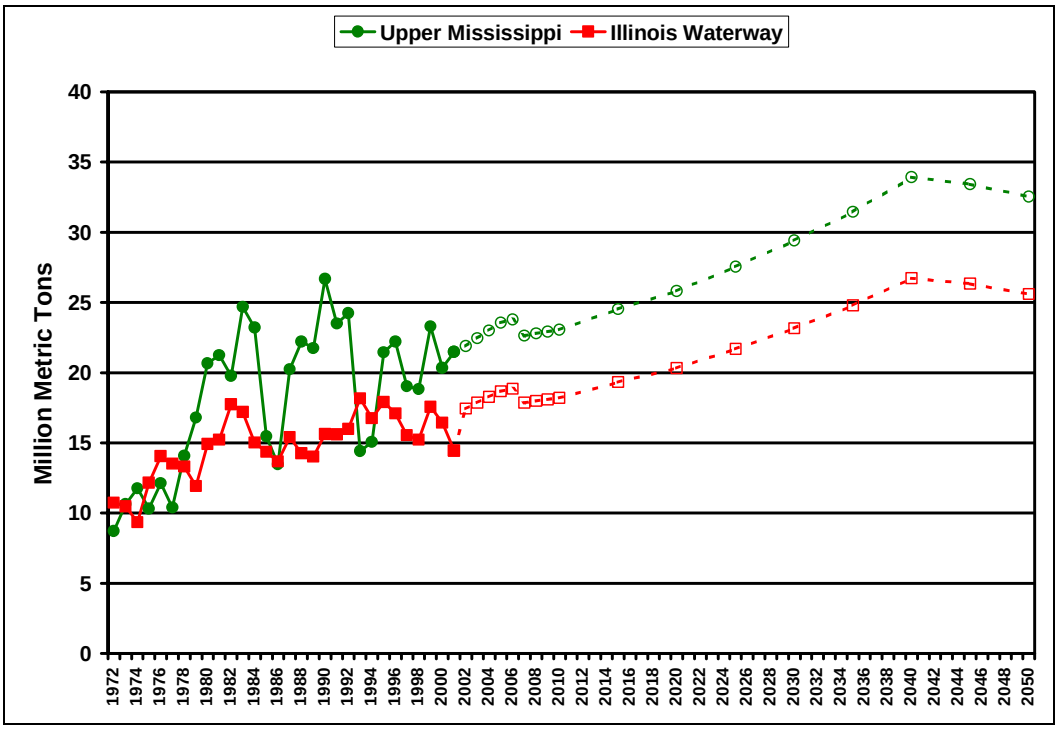

Figure 43 -- Hypoxia Scenario Corn Barge Movements, 1972-2050

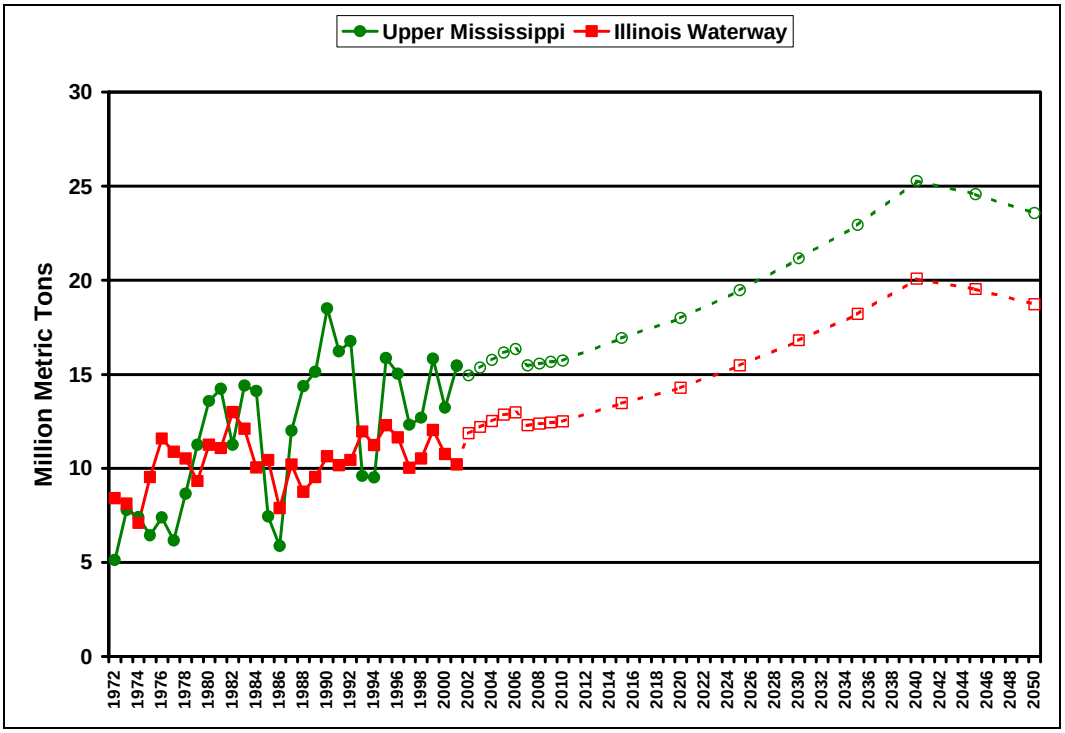

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Figure 44 -- Hypoxia Scenario Wheat Barge Movements, 1972-2050

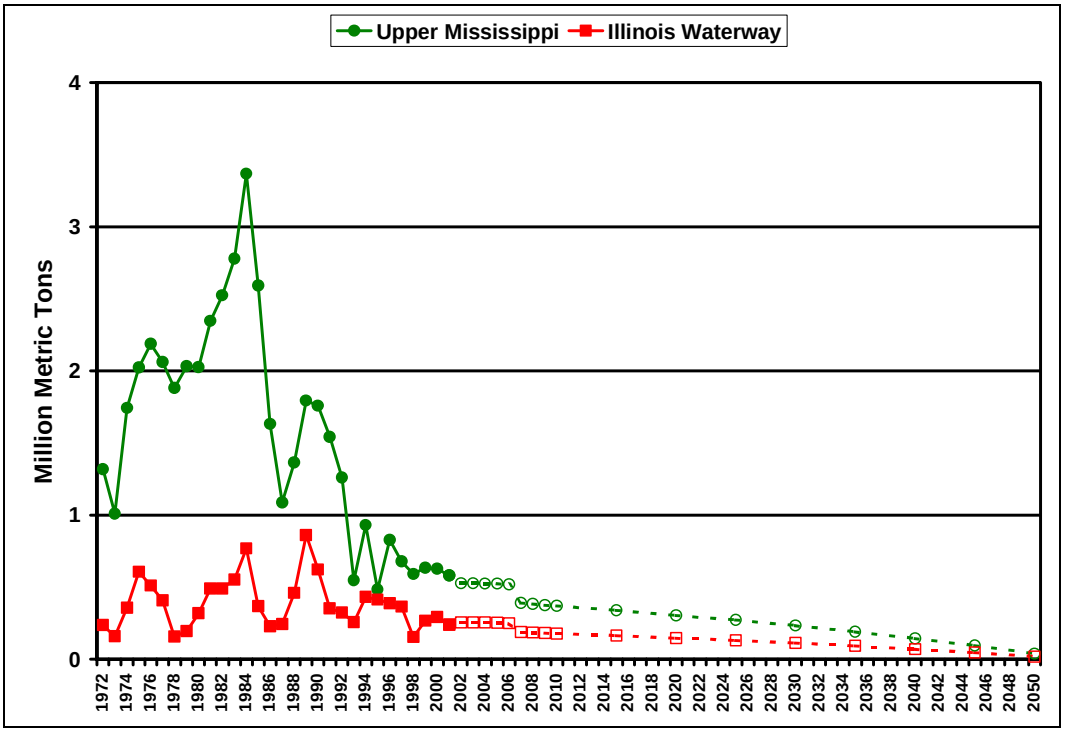

Figure 45 -- Hypoxia Scenario Soybean Barge Movements, 1972-2050

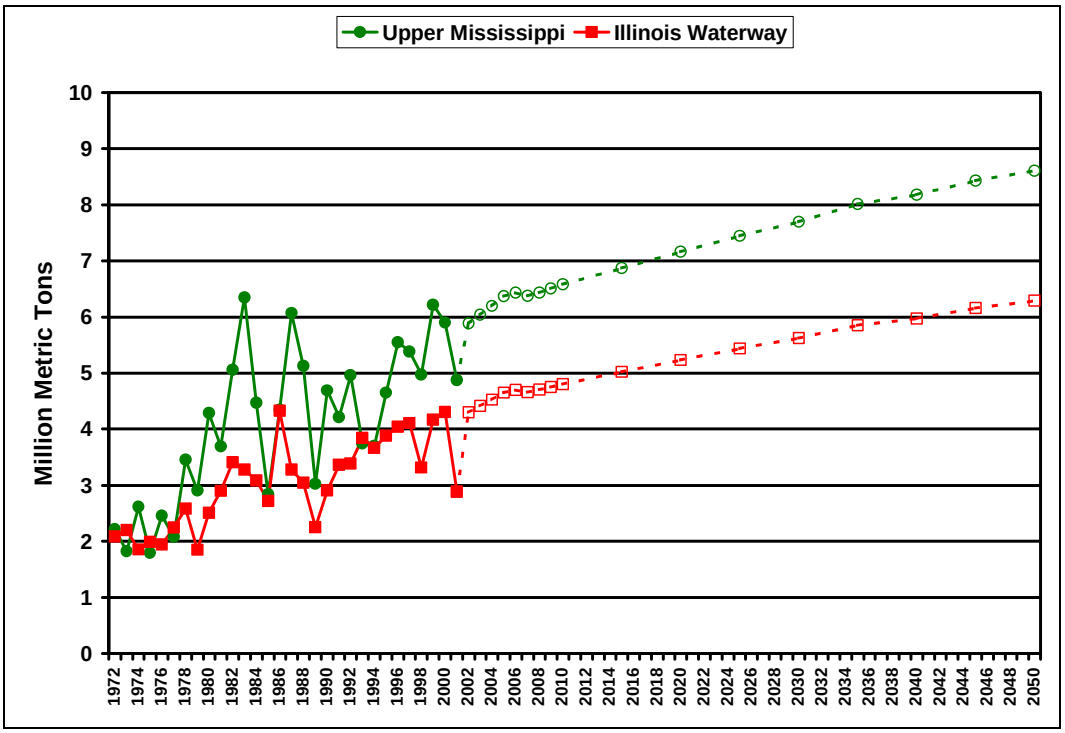

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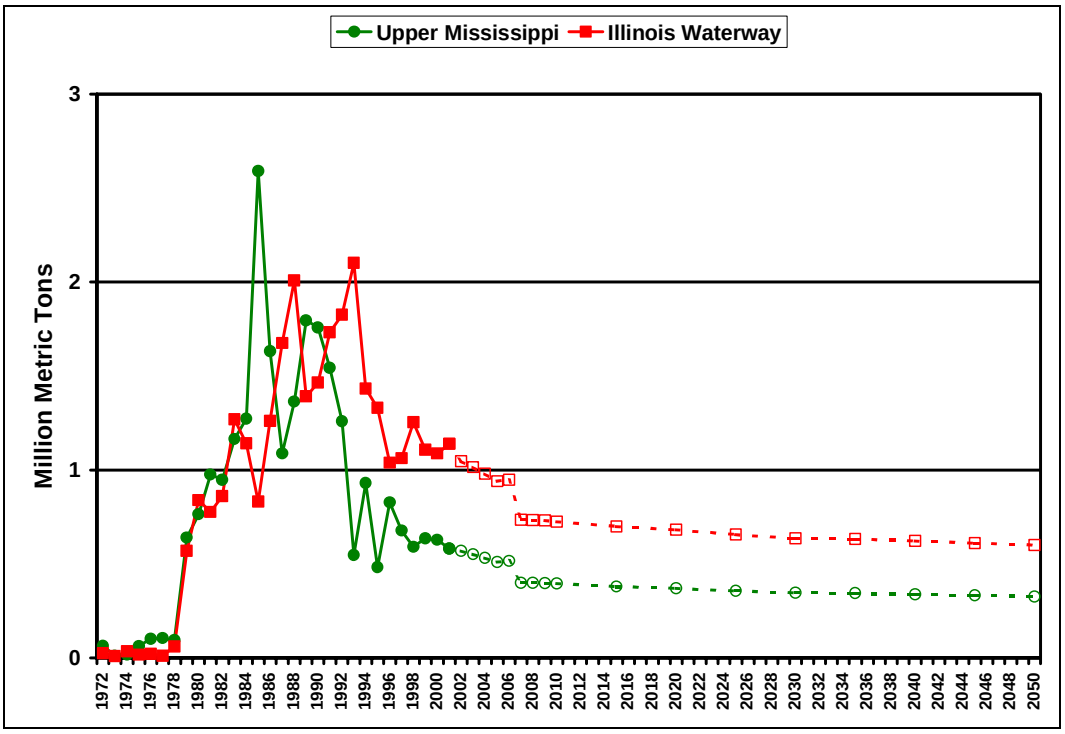
Figure 46 -- Hypoxia Scenario Protein Meal (Prepared Animal Feed) Barge Movements, 1972-2050



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Other Commodity Barge Demand

Procedures

The other commodity forecasts in this report are adjustments made to a report prepared for the Corps during the mid-1990s by Jack Faucett and Associates (JFA). Industry experts for each of the other commodities prepared detailed forecasts for the JFA report. Since the original forecast had a greater level of detail, the original forecasts were only replaced, modified, or re-specified if a major assumption had changed. The forecasts from the JFA report were updated using barge movement data through the year 2000. The JFA report developed forecasts of the demand for barge transportation of coal and coke, fertilizer, industrial chemicals, petroleum products, construction materials, iron and steel, and other miscellaneous products for the UMRIW Navigation Study.

For this report, independent forecasts were specified as necessary, or modifications made to the original forecasts were adopted if a major assumption from the previous report required changing, or if the Central Scenario in the farm products section of this report warranted substantial changes to the forecast for other commodities from the mid-1990s report. In addition, all other commodities were examined by making forecasts using macro economic variables, and then comparing the results to the original forecast. It was found that the original forecasts were not significantly different from the macro economic variable forecasts.

The data used to evaluate changes in waterborne commerce since the mid-1990s report were obtained from the Army Corps of Engineers and are shown in Table 20 and Table 21. Due to the location of locks and dams on the UMR, barge traffic on the IW can be partially included in the barge traffic of the UMR. In order to prevent double counting, a portion of the barge traffic on the IW was subtracted from the total UMR barge traffic as specified by the Corps. The portion of the IW barge movement removed from the barge movement of the UMR was 54 percent for coal and coke, 68 percent for petroleum, 83 percent for industrial chemicals, 97 percent for fertilizer, 88 percent for iron and steel, 38 percent for construction materials, and 100 percent for miscellaneous.

Other Commodity Barge Forecast Results

Changes or modifications to each commodity group are discussed below. But in general, the assumptions and forecasts for coal and coke, petroleum products, fertilizer, construction materials, and other products from the JFA report are still valid. For all other commodities, the absolute levels of barge movements for 2000 are adjusted to reflect the most recent data. The forecasted change in barge movement volumes over the next 50-years is consistent with the original forecasts for coal and coke, petroleum products, fertilizer, construction material, and other products. Major modifications were made to the original forecasts for iron and steel and industrial chemicals due to assumptions that have since changed.

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Table 20 -- Illinois Waterway Traffic by Commodity (thousand metric tons)

Year	Coal & Coke	Petroleum Products	Fertilizers	Construction Materials	Industrial Chemicals	Iron & Steel	Other	Total Non-Food
1990	6,345	5,401	1,302	4,377	3,746	3,067	1,831	26,069
1991	6,563	6,007	1,213	3,226	3,721	3,077	2,125	25,932
1992	6,661	5,772	1,213	3,057	3,594	2,930	1,815	25,042
1993	7,749	5,176	1,334	3,248	3,265	2,939	1,901	25,612
1994	8,529	6,321	1,392	4,497	3,798	5,438	2,432	32,407
1995	8,238	4,735	1,395	2,820	3,543	4,672	2,285	27,688
1996	8,204	5,608	1,053	3,441	3,420	3,380	2,285	27,391
1997	4,942	6,175	1,051	3,508	3,662	4,049	2,451	25,838
1998	3,029	6,217	1,178	4,044	3,789	4,606	2,105	24,968
1999	2,768	5,690	1,108	5,243	3,526	4,366	1,646	24,347
2000	2,496	5,793	1,094	5,261	3,684	5,550	2,212	26,090

Table 21 -- Upper Mississippi River Traffic by Commodity (thousand metric tons)

Year	Coal & Coke	Petroleum Products	Fertilizers	Construction Materials	Industrial Chemicals	Iron & Steel	Other Products	Total Non-Food
1990	7,367	5,918	2,046	3,896	967	1,135	2,629	23,958
1991	6,086	5,501	2,119	3,683	970	926	3,398	22,684
1992	6,029	5,494	2,678	4,374	876	877	3,452	23,780
1993	4,187	2,869	2,540	3,602	890	757	2,957	17,801
1994	5,678	3,139	3,115	4,140	1,097	1,274	2,774	21,216
1995	4,560	3,737	2,391	4,531	1,060	1,149	2,713	20,142
1996	4,149	2,988	2,299	4,117	956	939	2,443	17,890
1997	4,831	3,519	2,004	4,762	1,024	1,090	3,420	20,649
1998	7,181	3,817	2,220	4,543	1,030	1,485	3,149	23,426
1999	7,059	3,396	2,109	5,233	1,011	1,300	2,922	23,030
2000	6,579	3,605	2,333	5,752	873	1,481	2,946	23,569

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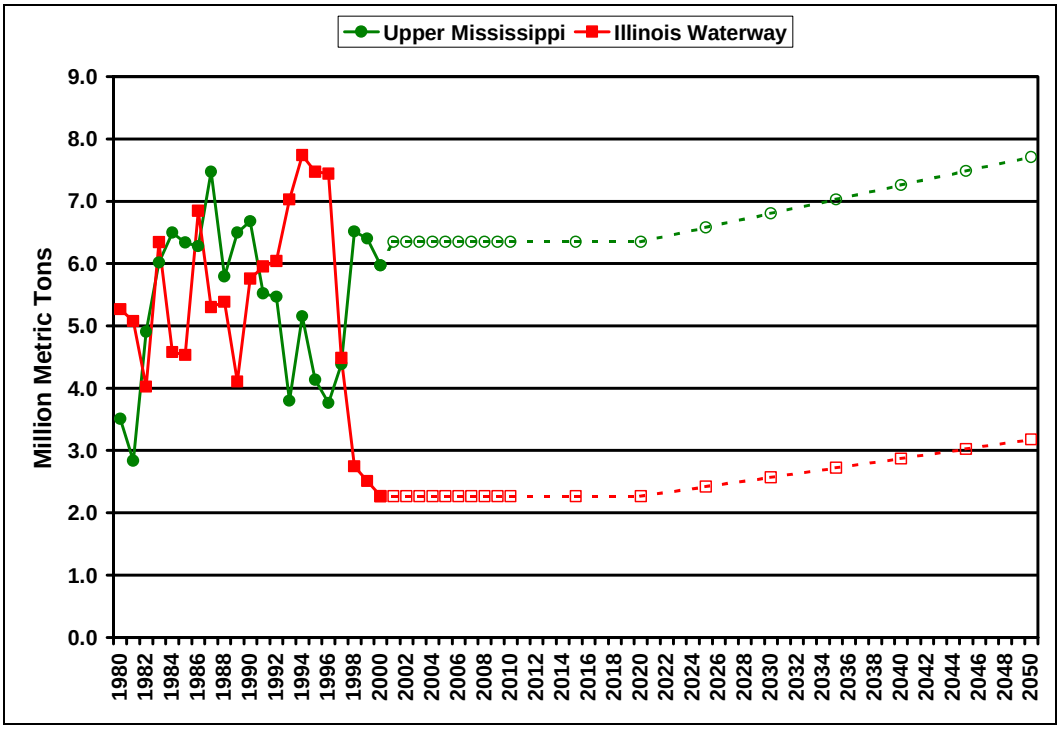
Coal and Coke

The coal and coke category is clearly the most variable of the other commodity barge movements because less than 10 percent of the total coal and coke consumed in the United States is transported by barge, and faces stiff competition from the rail industry. The coal and coke industry is currently in an adjustment period following new environmental rules, and a shift from coke driven steel mills to electric arc steel mills. Some of the drivers in the original forecast, such as new environmental laws, were not in place when the original forecast was made. As a result, the magnitude of the short-term change could not be measured. The starting point in 2000 for the new forecast reflects the fact that more weight was placed on factors present in the market for the past three years (the period covering the new environmental laws) rather than the more extensive historical perspective in the original forecast (Figure 47).

Figure 47 -- Coal and Coke Barge Movements



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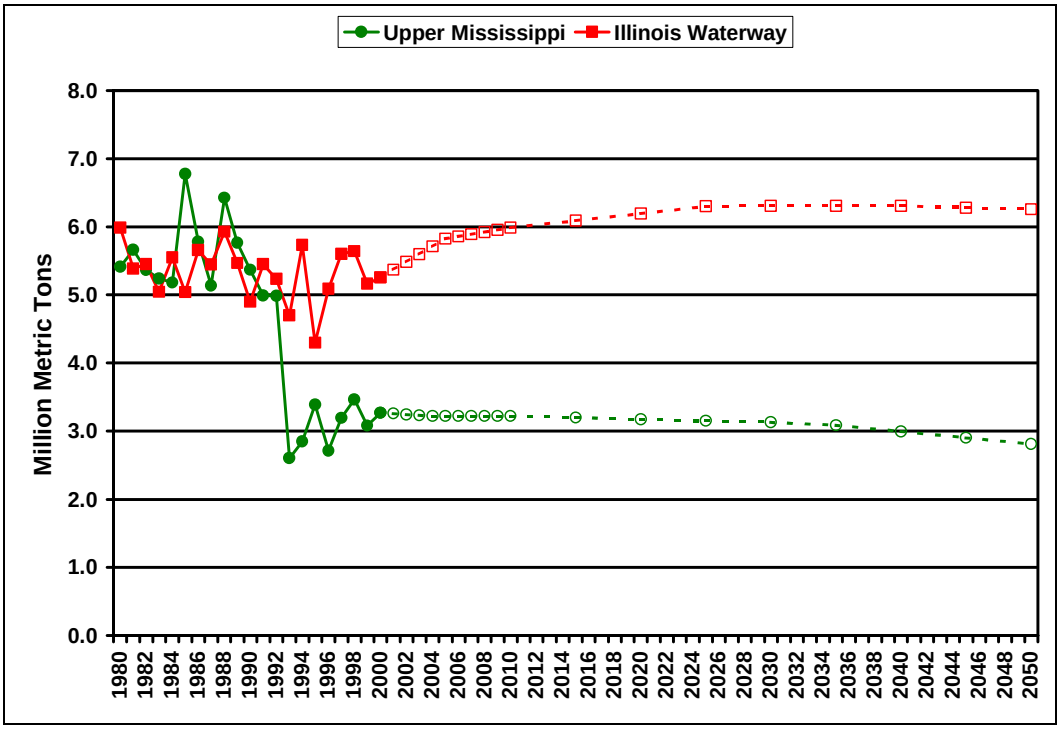
Petroleum Products

Petroleum products were originally forecasted to remain flat over the 50-year forecast period. Although, energy demand continues to grow with the economy, there has been a transportation mode shift away from barge. The barge traffic for petroleum products is expected to remain steady over the next 50-years (Figure 48).

Figure 48 -- Petroleum Products Barge Movements



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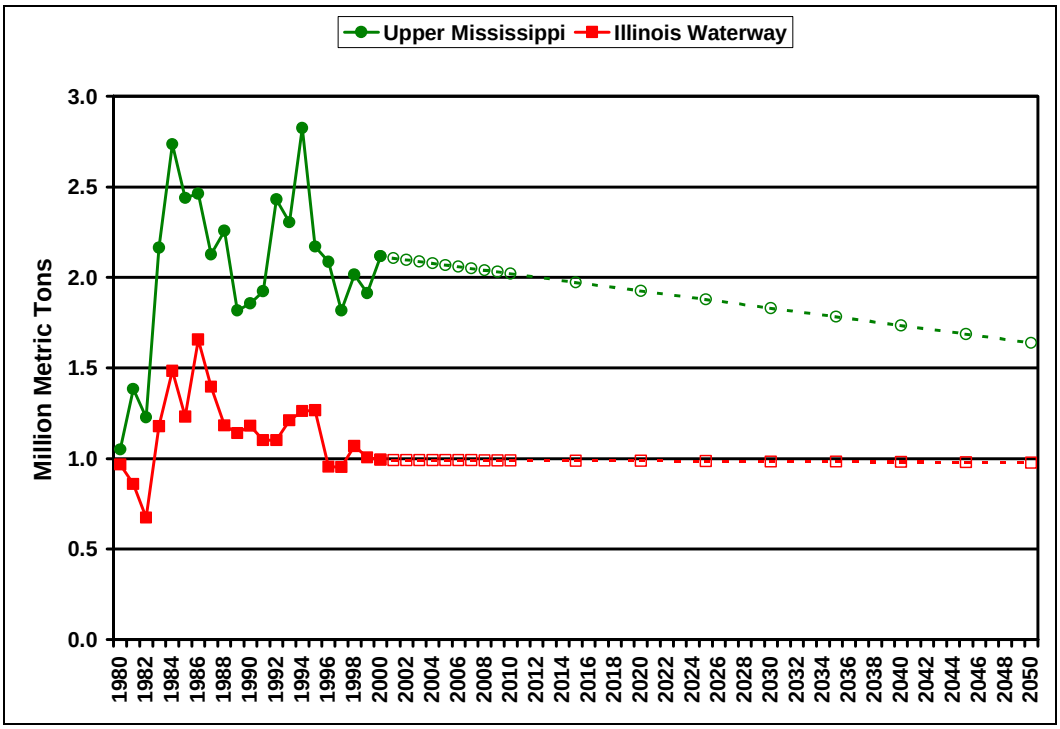
Fertilizer

Fertilizer consumption in the United States is driven by U.S. crop acreage. Currently, U.S. commodity policy has promoted full utilization of land resources and it is supported by all major components of U.S. agriculture. Recent farm policy discussions have not resulted in challenges to the existing farm policy. The Central Scenario assumes this policy continues over the next 50 years. By comparing the results of acreage differences of the scenarios, U.S. acreage only varies by 5 percent, thus only minimally impacting the consumption of fertilizer (Figure 49). If U.S. acreage were to be cut or somehow increased dramatically, there then would be significant changes in the consumption of fertilizer.

Figure 49 -- Fertilizer Barge Movements



The role of barge transport in the movement of fertilizer is shown in Figure 50. Even though the U.S. crop area has been increasing for the past fifteen years, fertilizer movements by barge have been steady to slightly negative. Over the past five years, barge movements of fertilizer have been as high as 3.1 million metric tons, and as low as 2.8 million metric tons. The variability in fertilizer movements is low relative to total U.S. crop area.

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Figure 50 -- Total U.S. Crop Area and Average Fertilizer Barge Movements

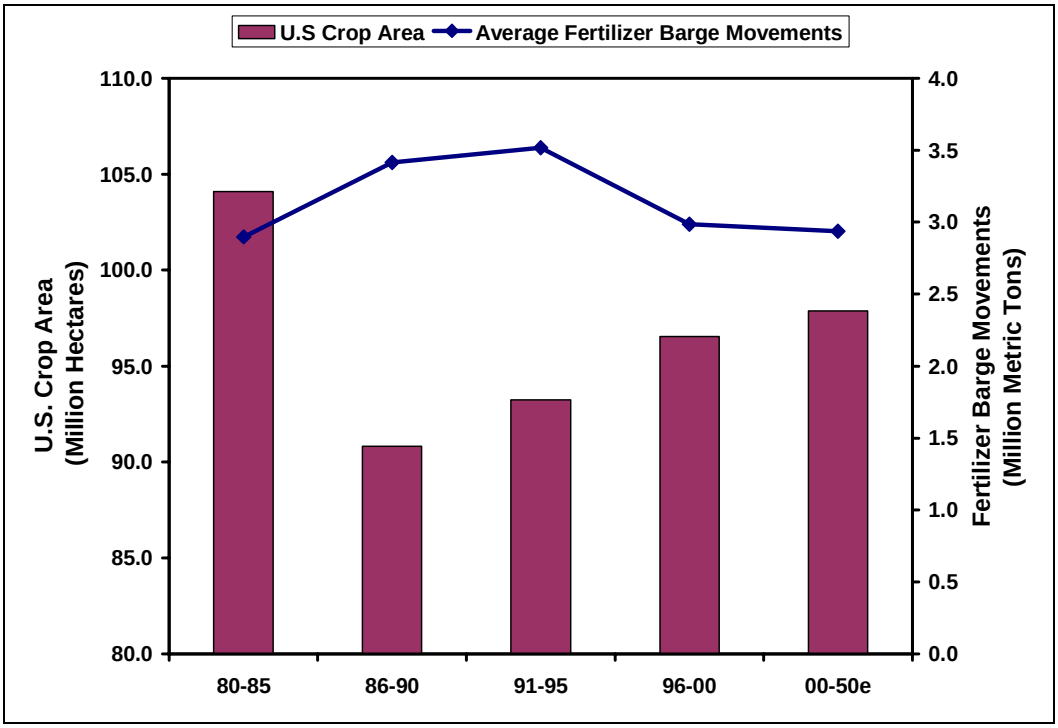
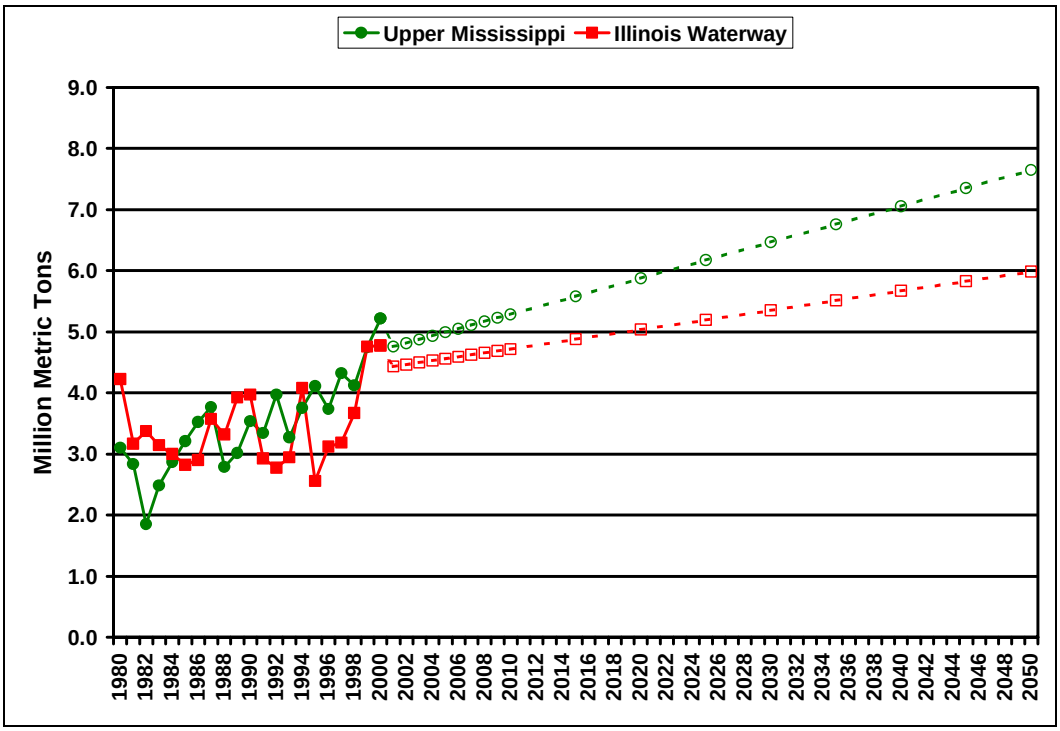


Figure 51 -- Construction Materials Barge Movements



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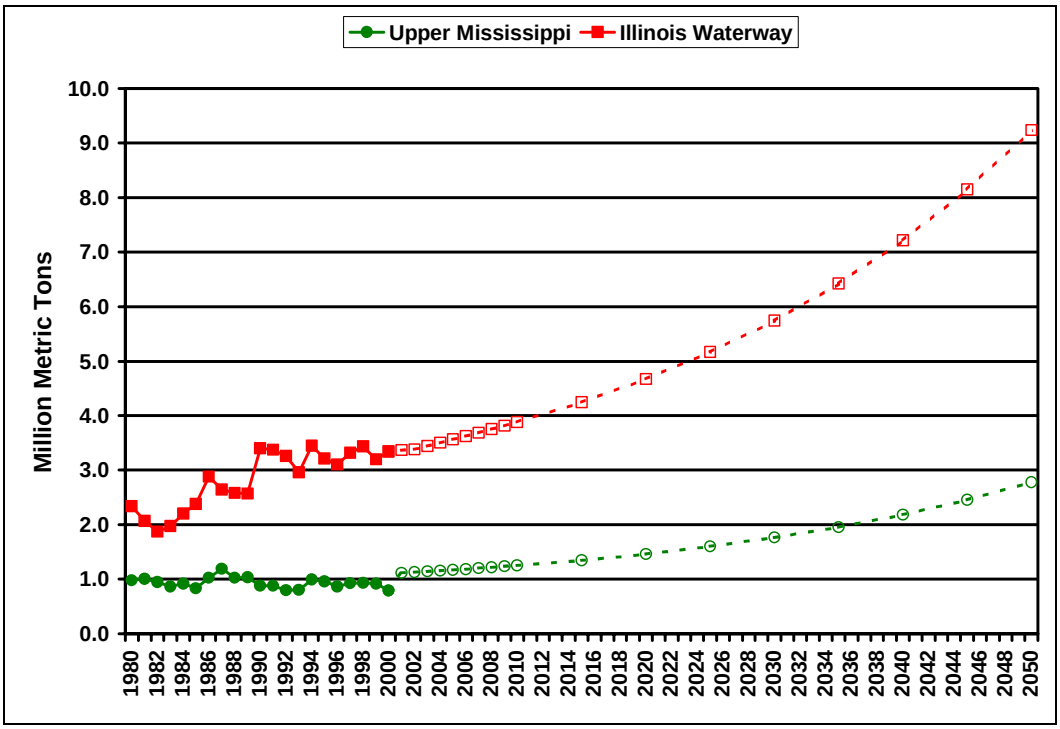
Industrial Chemicals

The original industrial chemicals forecast assumed ethanol production, a key component in the industrial chemicals product group, would reach 1.6 billion gallons by the year 2000 and then plateau. The assumption for ethanol was based on the prevailing political environment at the time of the forecast. Since the original forecast, the political environment has moved to an execution environment where the realities of increased ethanol production are being implemented. Ethanol production is expected to increase by 3.5 percent per year over the forecast period as specified in the Central Scenario. The revised industrial chemicals barge movement forecast is shown in Figure 52.

Figure 52 -- Industrial Chemical Barge Movements



The transportation of ethanol is evenly distributed among the truck, rail, and barge modes. Due to ethanol's chemical nature of being a water-binding product, pipeline transportation is not suitable to move ethanol because ethanol becomes watered down during transit through the pipeline. According to two reports prepared for the Department of Transportation, by Downstream Alternatives, Inc., "The Current Fuel Ethanol Industry – Transportation, Marketing, Distribution, and Technical Considerations," and "Ethanol Logistic Colloquies; Overview and Observations," ethanol production that is consumed locally is transported mostly by truck or rail. Ethanol transported to the eastern and western coastal ranges of the U.S. are transported mostly by rail and barge. Ethanol transported by barge is moved from its production source, in the Midwest, to the mouth of the Mississippi River at the Gulf of Mexico where it is collected and transferred to an ocean going vessel for transit to either coastal range.

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Two modes compete to move ethanol to the coastal ranges. Rail movements will originate predominately from locations located furthest from the river while barge movements will originate from facilities closest to the river. There are an increasing number of ethanol facilities being built further away from the river or near the western boundaries of the Corn Belt. These new facilities will rely primarily on rail to ship ethanol to the California market on the Pacific Coast. Despite facilities that are being built on or within close proximity of the river, which rely primarily on barge to ship ethanol to the coastal ranges, rail will become a more prominent mode to ship ethanol to the coastal ranges because more facilities are being built away from the river than near the river.

The use of ethanol is increasing faster on the coastal ranges rather than near where ethanol is produced. Any new federal guidelines for ethanol will have a greater impact on the coastal ranges than areas near where ethanol is produced. In areas where ethanol is produced, current state guidelines often require more ethanol blending in gasoline. For example, current ethanol usage in Minnesota is very high compared to the national average because the state requires a 10 percent blend of ethanol for gasoline, but federal guidelines are pointing towards a 5 percent blend requirement. Minnesota's consumption is not expected to increase as a result of any changes in the federal guidelines. Ethanol use in the coastal ranges is positive for barge movements.

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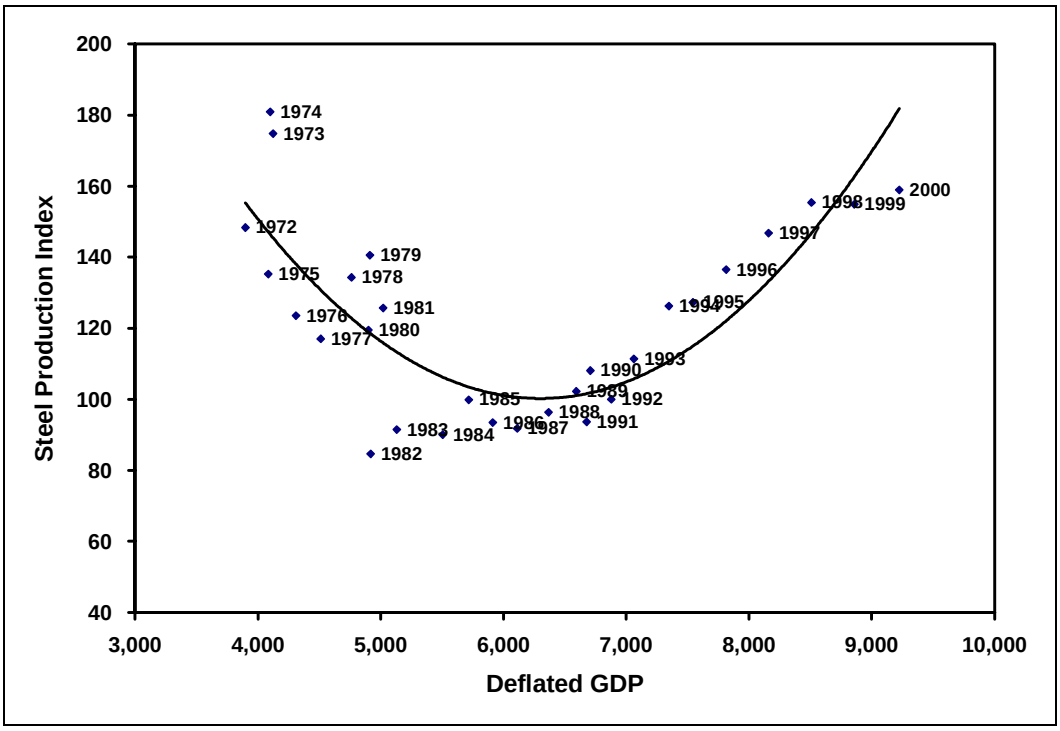
Iron and Steel Products

The new iron and steel forecast is more than double the original forecast. The current growth in U.S. steel production is the result of new, more efficient steel mini-mills that use less labor, use steel scrap, produce better quality steel, and are more environmentally friendly than the traditional steel mills. With new steel mini-mills being a larger share of U.S. steel production, steel scrap barge movements will increase in order to supply the inputs for the mini-mills. U.S. steel production has increased over the past ten years as shown in Figure 53. When the original forecast was made, the increase in U.S. steel production would have been very difficult to support. The change in U.S. steel production has resulted in the original iron and steel forecast for 2000 to be less than half of the actual 2000 number.

Figure 53 -- Federal Reserve Steel Production Index vs. Deflated GDP



The original iron and steel forecast, which had data through 1993, assumed per capita consumption of steel would decline slightly until 2050. The increase in the original forecast was due to U.S. population increases.

The increase in U.S. steel production relative to population since 1993 is shown in Figure 54. The revised forecast for iron and steel barge movements is based on the assumption that the per capita steel production index would not increase past 0.60 because U.S. steel production has not been at that level since the late 1970s. In addition, U.S. steel production for the past three years has leveled off. Furthermore, the revised forecast for iron and steel assumes the U.S. will protect its steel industry due to political and national defense concerns. Barge movements of iron and steel are shown in Figure 55.

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Figure 54 -- Per Capita Steel Production Index Trend

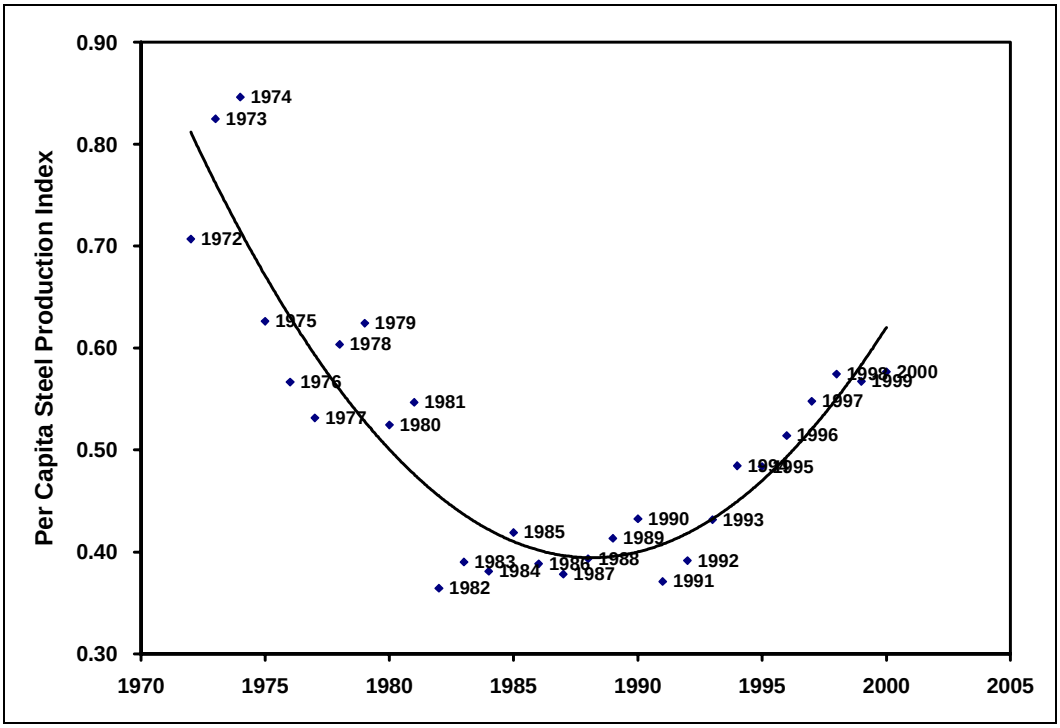
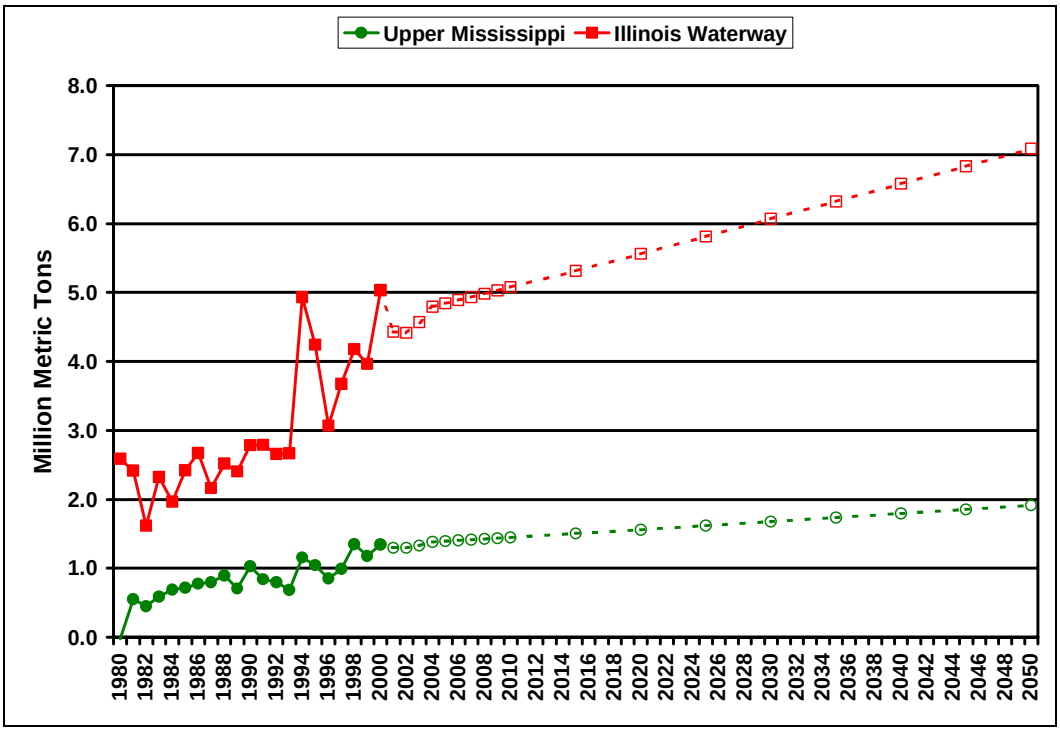


Figure 55 -- Iron and Steel Barge Movements



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Summary of Other Commodity Barge Movements

The other commodity barge movements are summarized in Table 22. It is important to note that increases in ethanol production account for a third of the total forecasted increase in total other commodity barge movements.

Table 22 -- Summary of Other Commodity Barge Movements (million metric tons):

Summary	2000	2025	2050	Change 00-25	Change 25-50
Coal & Coke					
Barge Movements	8.2	9.0	10.9	0.8	1.9
Upper Mississippi	6.0	6.6	7.7	0.6	1.1
Illinois Waterway	2.3	2.4	3.2	0.2	0.8
Petroleum Products					
Barge Movements	8.5	9.4	9.1	0.9	-0.4
Upper Mississippi	3.3	3.2	2.8	-0.1	-0.3
Illinois Waterway	5.3	6.3	6.3	1.0	0.0
Fertilizers					
Barge Movements	3.1	2.9	2.6	-0.2	-0.2
Upper Mississippi	2.1	1.9	1.6	-0.2	-0.2
Illinois Waterway	1.0	1.0	1.0	0.0	0.0
Construction Materials					
Barge Movements	10.0	11.4	13.6	1.4	2.3
Upper Mississippi	5.2	6.2	7.6	1.0	1.5
Illinois Waterway	4.8	5.2	6.0	0.4	0.8
Industrial Chemicals					
Barge Movements	4.1	6.8	12.0	2.6	5.3
Upper Mississippi	0.8	1.6	2.8	0.8	1.2
Illinois Waterway	3.3	5.2	9.2	1.8	4.1
Iron & Steel					
Barge Movements	6.4	7.4	9.0	1.0	1.6
Upper Mississippi	1.3	1.6	1.9	0.3	0.3
Illinois Waterway	5.0	5.8	7.1	0.8	1.3
Other Products					
Barge Movements	4.7	6.8	9.1	2.1	2.3
Upper Mississippi	2.7	4.1	5.4	1.4	1.4
Illinois Waterway	2.0	2.7	3.6	0.7	0.9
Total Other Commodity Products					
Barge Movements	45.0	53.7	66.3	8.6	12.6
Upper Mississippi	21.4	25.1	29.9	3.7	4.9
Illinois Waterway	23.7	28.6	36.3	4.9	7.8

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Summary and Conclusions

The demand for barge movements of farm and other commodity products were forecast in this report through the use of a scenario-based approach. The scenario-based approach was applied to farm products (corn, wheat, soybeans, and prepared animal feeds or protein meal) supply and consumption, and river system movements as an assessment of a range of alternative prospects affecting the demand for inland waterway transportation. The scenarios considered a range of possible futures that would be expected with respect to economic trends, agricultural policies, trade and business conditions, and unique episodic events. The scenarios developed for this report were a Central, Most Favorable, Least Favorable, Favorable, and Hypoxia Scenario. A supplement component of this report evaluated barge demand for commodity products other than farm products, which was integrated with the farm product analysis to provide a "complete" picture.

The UMR and IW have been, and will continue to remain important to the movement of commodities and products into and out of the Mid-West. Since 1972, barge movements on the UMR have increased 65 percent to 41.7 million metric tons in 2000. On the IW, movements have increased a modest 5 percent to 40.1 million metric tons over the same time period. Overall, barge movements on the UMR increase throughout the forecast period in four of the five scenarios (Figure 56) while movements on the IW increase across all scenarios (Figure 57). By 2050, barge movements on the UMR are forecast to increase between 44 percent (under the Hypoxia Scenario) and 62 percent (under the Most Favorable Scenario). On the IW, movements are expected to increase between 12 percent under the Hypoxia Scenario and 83 percent under the Most Favorable Scenario. While barge movements are forecasted to increase overall, movements actually peak in 2040 under the Most Favorable Scenario on the UMR and about 2045 on the IW. After 2040 barge movements are expected to grow at a slower rate. The slower growth reflects a point in the future where U.S. agricultural production will be unable to expand to meet the consumption needs of both the domestic and export markets for grains and oilseeds.

Total barge movements on the UMR were historically high in 1990 at 48.4 million metric tons. Barge movements are expected to equal that historic high as early as 2009 under the Most Favorable Scenario and by 2015 under all remaining scenarios except the Least Favorable Scenario. On the IW barge movements were historically high at 46.2 million metric tons in 1994. Movements on the IW are expected to equal the historical high between 2010 and 2015 for all scenarios except the Least Favorable Scenario. The closest that movements on IW will equal the historical high under the Least Favorable Scenario is 2040 at 43.2 million metric tons.

The importance of the UMR and IW will be substantial over the next 50 years. Over the next five decades, farm products and other commodities will demand greater barge service on the UMR and IW segments in four of the five scenarios. In fact, those segments will be even more important between 2009 and 2015 when barge movements are expected to exceed the historical highs of each river segment.

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Figure 56 -- Upper Mississippi River Total Farm and Other Commodity Product Barge Movements, 1972-2050

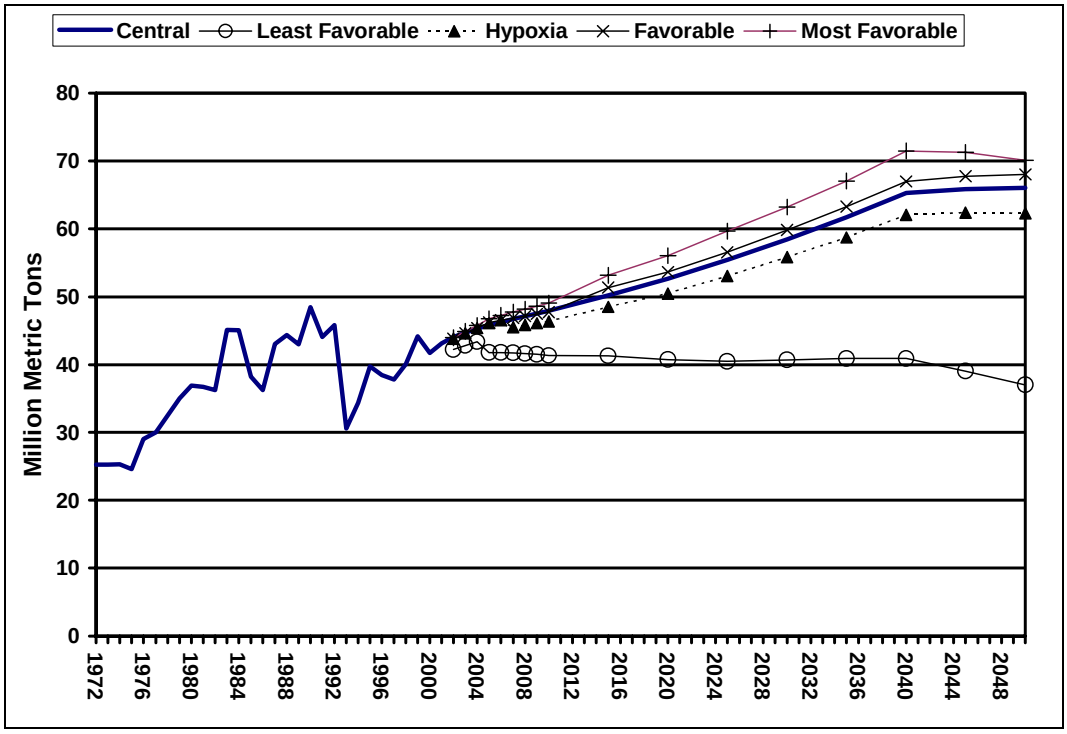
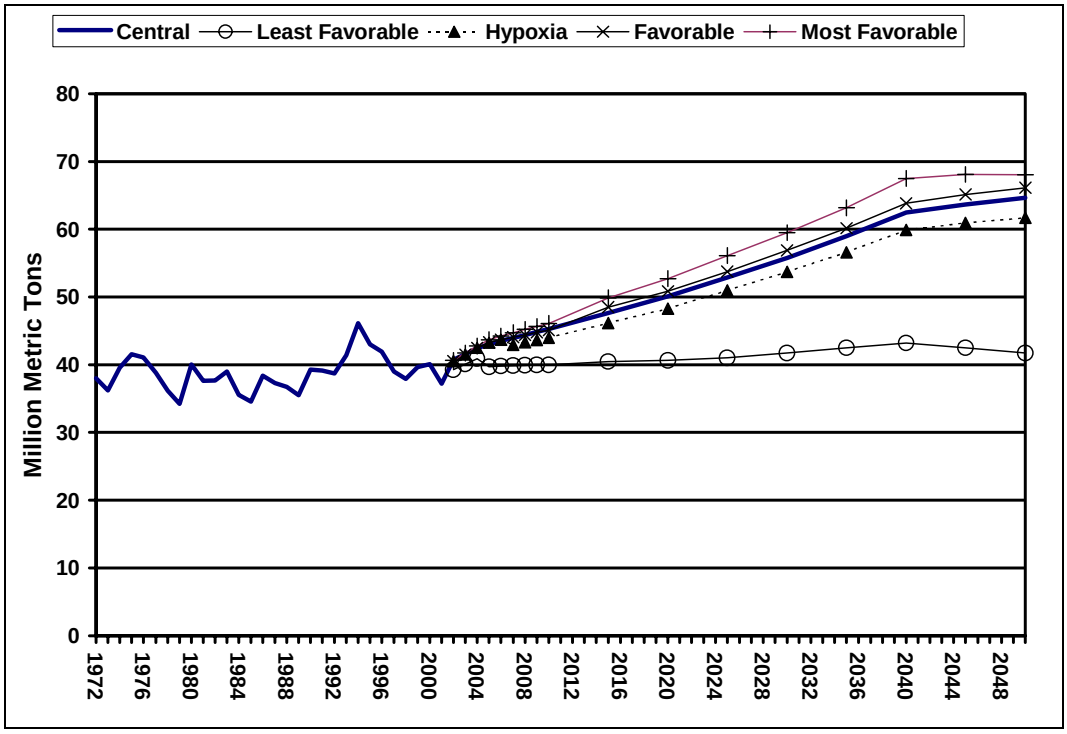


Figure 57 -- Illinois Waterway Total Farm and Other Commodity Barge Movements, 1972-2050



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    Economic Research Service
    Foreign Agricultural Service
    Federal Grain Inspection Service
U.S. Department of Commerce
    Bureau of the Census
    National Oceanic and Atmospheric Administration
U.S. Department of Defense
    Army Corps of Engineers
U.S. Department of Energy
    Economic Information Agency
U.S. Department of Treasury
    Federal Reserve Board
United Nations
    Department of Economic and Social Affairs
World Bank

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Appendices – Scenario Results

Appendix A – Central Scenario

Appendix B – Most Favorable Scenario

Appendix C – Favorable Scenario

Appendix D – Hypoxia Scenario

Appendix E – Least Favorable Scenario

Appendix F – Other Commodity Barge Demand

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Upper Mississippi River and Illinois Waterway
Navigation Study
May 1, 2002

Appendix A – Central Scenario

Table of Contents

Crop Production 1975-2050

Table 1 -- All Crop Area (million hectares) 1
Table 2 -- All Crop Area (annual percentage change) 2
Table 3 -- Wheat Area (million hectares) 3
Table 4 -- Wheat Yield (metric tons per hectare) 4
Table 5 -- Wheat Production (million metric tons) 5
Table 6 -- Wheat Area (annual percentage change) 6
Table 7 -- Wheat Yield (annual percentage change) 7
Table 8 -- Rice Area (million hectares) 8
Table 9 -- Rice Yield (metric tons per hectare) 9
Table 10 -- Rice Production, Milled (million metric tons) 10
Table 11 -- Rice Area (annual percentage change) 11
Table 12 -- Rice Yield (annual percentage change) 12
Table 13 -- Corn Area (million hectares) 13
Table 14 -- Corn Yield (metric tons per hectare) 14
Table 15 -- Corn Production (million metric tons) 15
Table 16 -- Corn Area (annual percentage change) 16
Table 17 -- Corn Yield (annual percentage change) 17
Table 18 -- Other Coarse Grains Area (million hectares) 18
Table 19 -- Other Coarse Grains Yield (metric tons per hectare) 19
Table 20 -- Other Coarse Grains Production (million metric tons) 20
Table 21 -- Other Coarse Grains Area (annual percentage change) 21
Table 22 -- Other Coarse Grains Yield (annual percentage change) 22
Table 23 -- Soybean Area (million hectares) 23
Table 24 -- Soybean Yield (metric tons per hectare) 24
Table 25 -- Soybean Production (million metric tons) 25
Table 26 -- Soybean Area (annual percentage change) 26
Table 27 -- Soybean Yield (annual percentage change 27
Table 28 -- Other Oilseeds Area (million hectares) 28
Table 29 -- Other Oilseeds Yield (metric tons per hectare) 29
Table 30 -- Other Oilseeds Production (million metric tons) 30
Table 31 -- Other Oilseeds Area (annual percentage change) 31
Table 32 -- Other Oilseeds Yield (annual percentage change) 32
Table 33 -- Coarse Grains Area (million hectares) 33
Table 34 -- Coarse Grains Yield (metric tons per hectare) 34
Table 35 -- Coarse Grains Production (million metric tons) 35
Table 36 -- Coarse Grains Area (annual percentage change) 36
Table 37 -- Coarse Grains Yield (annual percentage change) 37
Table 38 -- Oilseeds Area (million hectares) 38
Table 39 -- Oilseeds Yield (metric tons per hectare) 39
Table 40 -- Oilseeds Production (million metric tons) 40

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Table 41 -- Oilseeds Area (annual percentage change) 41
Table 42 -- Oilseeds Yield (annual percentage change) 42

Crop Usage 1975-2050

Table 43 -- Population (million) 43
Table 44 -- Population (annual percentage change) 44
Table 45 -- All Grain Use (MT per capita) 45
Table 46 -- All Grain Use (annual percentage change) 46
Table 47 -- All Feed Use (MT per capita) 47
Table 48 -- All Feed Use (annual percentage change) 48
Table 49 -- All Food Use (MT per capita) 49
Table 50 -- All Food Use (annual percentage change) 50
Table 51 -- Wheat Food & Other (MT per capita) 51
Table 52 -- Wheat Food & Other (annual percentage change) 52
Table 53 -- Rice Food & Other (MT per capita) 53
Table 54 -- Rice Food & Other (annual percentage change) 54
Table 55 -- Coarse Grain Feed Use (MT per capita) 55
Table 56 -- Coarse Grain Feed Use (annual percentage change) 56
Table 57 -- Coarse Grain Food & Other (MT per capita) 57
Table 58 -- Coarse Grain Food & Other (annual percentage change) 58
Table 59 -- Major Meal Domestic Use (MT per capita) 59
Table 60 -- Major Meal Domestic Use (annual percentage change) 60

Country/Region Balances 1998-2050

Table 61 -- USA Grain (million metric tons) 61
Table 62 -- USA Oilseed (million metric tons) 62
Table 63 -- Canada Grain (million metric tons) 63
Table 64 -- Canada Oilseed (million metric tons) 64
Table 65 -- Mexico Grain (million metric tons) 65
Table 66 -- Mexico Oilseed (million metric tons) 66
Table 67 -- Brazil Grain (million metric tons) 67
Table 68 -- Brazil Oilseed (million metric tons) 68
Table 69 -- Argentina Grain (million metric tons) 69
Table 70 -- Argentina Oilseed (million metric tons) 70
Table 71 -- Other Latin America Grain (million metric tons) 71
Table 72 -- Other Latin America Oilseed (million metric tons) 72
Table 73 -- Western Europe Grain (million metric tons) 73
Table 74 -- Western Europe Oilseed (million metric tons) 74
Table 75 -- Central Europe Grain (million metric tons) 75
Table 76 -- Central Europe Oilseed (million metric tons) 76
Table 77 -- FSU-15 Grain (million metric tons) 77
Table 78 -- FSU-15 Oilseed (million metric tons) 78
Table 79 -- Japan Grain (million metric tons) 79
Table 80 -- Japan Oilseed (million metric tons) 80

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Table 81 -- Taiwan Grain (million metric tons) 81
Table 82 -- Taiwan Oilseed (million metric tons) 82
Table 83 -- South Korea Grain (million metric tons) 83
Table 84 -- South Korea Oilseed (million metric tons) 84
Table 85 -- China Grain (million metric tons) 85
Table 86 -- China Oilseed (million metric tons) 86
Table 87 -- India Grain (million metric tons) 87
Table 88 -- India Oilseed (million metric tons) 88
Table 89 -- Indonesia Grain (million metric tons) 89
Table 90 -- Indonesia Oilseed (million metric tons) 90
Table 91 -- Malaysia Grain (million metric tons) 91
Table 92 -- Malaysia Oilseed (million metric tons) 92
Table 93 -- Other Asia Grain (million metric tons) 93
Table 94 -- Other Asia Oilseed (million metric tons) 94
Table 95 -- Australia Grain (million metric tons) 95
Table 96 -- Australia Oilseed (million metric tons) 96
Table 97 -- South Africa Grain (million metric tons) 97
Table 98 -- South Africa Oilseed (million metric tons) 98
Table 99 -- North Africa & Middle East Grain (million metric tons) 99
Table 100 -- North Africa & Middle East Oilseed (million metric tons) 100
Table 101 -- Other Africa Grain (million metric tons) 101
Table 102 -- Other Africa Oilseed (million metric tons) 102

World Summary 1998-2050

Table 103 -- World Grain (million metric tons) 103
Table 104 -- World Oilseed (million metric tons) 104
Table 105 -- World Wheat Exports – Imports (million metric tons) 105
Table 106 -- World Rice Exports – Imports (million metric tons) 106
Table 107 -- World Coarse Grain Exports – Imports (million metric tons) 107
Table 108 -- World Total Oilseed Exports – Imports (million metric tons) 108
Table 109 -- World Soybean Exports – Imports (million metric tons) 109
Table 110 -- World 5 Major Meals Exports – Imports (million metric tons) 110

Export and Barge Summary

Table 111 -- Grain Export and Barge Movement Summary (million metric tons) 111

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Table -- 1

ALL CROP AREA

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(mil hectares)												
USA (harvested area)	97	107	101	93	95	95	96	96	97	98	99	100	102	103	103	104
Canada	19	21	24	24	24	23	24	25	25	25	25	25	25	25	25	24
Mexico	11	11	10	10	12	11	11	11	11	12	12	12	12	12	12	12
Brazil	29	33	34	33	32	34	38	45	51	56	60	64	67	70	72	72
Argentina	14	15	17	17	20	24	26	28	31	34	37	38	39	40	40	40
Other Latin America	11	11	11	12	12	12	12	12	13	13	13	14	14	14	14	15
W Europe	43	44	45	44	40	41	41	41	40	40	40	39	39	39	39	38
Central Europe	25	24	24	24	23	22	23	23	24	24	24	24	24	24	24	24
FSU-15	120	120	108	101	95	84	86	88	90	92	93	94	94	94	93	92
Japan	3	3	3	3	2	2	2	2	2	2	2	1	1	1	1	1
Taiwan	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
South Korea	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
China	111	111	111	113	112	111	111	114	115	115	116	116	116	116	115	115
India	119	124	125	129	130	130	132	133	133	134	134	134	134	133	133	133
Indonesia	12	13	14	15	17	16	17	17	18	18	18	19	19	19	20	20
Malaysia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Other Asia, COE	74	79	83	83	85	89	91	94	96	98	100	100	101	101	101	100
Australia	13	16	17	13	15	18	20	20	20	20	20	20	20	20	20	20
South Africa	8	8	8	8	7	6	6	6	6	5	5	5	5	5	5	5
North Africa & Middle East	27	27	28	31	31	26	28	30	31	32	32	33	33	34	34	35
Other Africa	56	61	60	64	81	83	89	96	103	110	118	127	136	146	157	168
TOTAL	793	831	827	821	836	830	856	884	907	930	950	967	983	997	1,009	1,021

Table -- 2

ALL CROP AREA	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA (harvested area)	2.08	-1.21	-1.63	0.46	-0.15	0.15	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Canada	2.25	2.58	0.11	-0.14	-0.52	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mexico	0.14	-2.71	0.59	2.97	-1.30	0.50	0.50	0.25	0.25	0.25	0.25	0.25	0.10	0.10	0.10
Brazil	2.66	0.66	-0.32	-0.55	0.80	2.50	3.00	3.00	1.50	1.50	1.50	0.75	0.75	0.75	0.25
Argentina	2.08	2.44	-0.16	3.02	3.60	2.00	1.75	1.75	1.75	1.75	0.50	0.50	0.50	0.00	0.00
Other Latin America	-0.08	0.34	1.87	-0.06	0.08	0.45	0.45	0.45	0.40	0.40	0.40	0.40	0.40	0.40	0.40
W Europe	0.47	0.51	-0.22	-1.85	0.53	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
Central Europe	-0.42	-0.03	-0.34	-0.93	-0.54	0.20	0.20	0.25	0.25	0.10	0.00	0.00	0.00	0.00	0.00
FSU-15	0.06	-2.00	-1.36	-1.27	-2.51	0.50	0.50	0.50	0.50	0.20	0.20	0.10	0.00	-0.20	-0.30
Japan	-1.35	-0.25	-1.67	-1.62	-2.32	-1.10	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20
Taiwan	-3.62	-2.14	-3.23	-4.65	-2.34	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
South Korea	-3.80	-1.83	-1.47	-3.78	-0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
China	0.00	-0.03	0.48	-0.22	-0.16	0.00	0.50	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
India	0.90	0.13	0.64	0.23	-0.01	0.25	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Indonesia	1.63	1.70	1.62	1.86	-0.68	0.50	0.50	0.50	0.50	0.50	0.50	0.25	0.25	0.10	0.10
Malaysia	-0.77	-1.91	0.28	0.72	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asia, COE	1.22	1.10	-0.02	0.33	0.88	0.50	0.50	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00
Australia	5.28	1.16	-5.22	3.10	3.65	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Africa	-0.40	1.63	-2.13	-1.99	-2.26	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60
North Africa & Middle East	0.34	0.61	1.80	0.45	-3.29	1.20	1.60	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
Other Africa	1.62	-0.23	1.46	4.57	0.65	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
TOTAL	0.94	-0.11	-0.14	0.36	-0.13	0.61	0.66	0.52	0.50	0.43	0.36	0.32	0.29	0.24	0.23

Table -- 3

WHEAT AREA

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(mil hectares)												
USA (harvested area)	28	29	26	26	25	21	21	20	20	20	20	19	19	19	19	19
Canada	10	11	14	14	11	11	10	10	10	10	10	10	10	10	10	10
Mexico	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
Brazil	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1
Argentina	5	5	5	5	6	6	7	7	7	7	7	7	7	7	7	7
Other Latin America	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
W Europe	17	17	17	18	16	17	18	18	18	18	18	17	17	17	17	17
Central Europe	10	9	10	10	9	9	9	9	9	10	10	10	10	10	10	10
FSU-15	60	59	50	47	45	44	45	46	47	48	48	47	47	45	43	41
Japan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taiwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Korea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
China	28	29	29	31	29	27	27	26	26	26	25	24	23	23	22	21
India	19	22	24	24	25	27	28	30	31	32	32	32	33	33	34	35
Indonesia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malaysia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Asia, COE	18	19	20	20	21	21	21	22	22	23	23	23	23	23	23	23
Australia	9	11	12	8	10	12	12	12	12	12	12	12	12	12	12	12
South Africa	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
North Africa & Middle East	15	15	14	16	17	15	16	16	16	17	17	17	17	17	17	17
Other Africa	1	1	1	1	2	2	2	2	3	3	3	3	4	4	5	5
TOTAL	226	235	230	227	221	216	219	224	226	228	228	226	225	224	222	220

Table -- 4

WHEAT YIELD

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(metric tons per hectare)												
USA	1.98	2.29	2.48	2.39	2.46	2.80	2.94	3.09	3.25	3.42	3.59	3.77	3.97	4.17	4.38	4.60
Canada	1.80	1.79	1.86	2.11	2.27	2.33	2.45	2.58	2.72	2.87	3.02	3.18	3.35	3.53	3.72	3.92
Mexico	3.48	3.62	4.27	4.18	3.96	4.74	5.05	5.38	5.73	6.10	6.50	6.92	7.37	7.85	8.36	8.90
Brazil	0.89	0.93	1.37	1.37	1.56	1.68	1.79	1.90	2.02	2.14	2.28	2.42	2.57	2.73	2.90	3.08
Argentina	1.58	1.55	1.87	1.98	2.12	2.47	2.71	2.88	3.06	3.25	3.45	3.66	3.88	4.12	4.37	4.64
Other Latin America	1.15	1.40	1.94	2.23	2.43	2.68	2.85	3.02	3.21	3.40	3.61	3.84	4.07	4.32	4.59	4.87
W Europe	3.23	3.78	4.82	5.12	5.52	5.67	6.11	6.45	6.81	7.20	7.60	8.03	8.48	8.96	9.46	9.99
Central Europe	3.09	3.22	3.73	4.09	3.32	3.50	3.73	3.98	4.24	4.52	4.82	5.13	5.47	5.83	6.21	6.62
FSU-15	1.27	1.41	1.49	1.84	1.36	1.68	1.78	1.88	2.00	2.12	2.24	2.38	2.52	2.67	2.83	3.00
Japan	2.66	3.10	3.50	3.44	3.22	3.63	3.78	3.93	4.10	4.26	4.44	4.62	4.81	5.00	5.21	5.42
Taiwan	2.00	2.67	3.67	4.00	3.50											
South Korea	2.03	3.12	3.00	1.00	3.22	3.50	3.58	3.66	3.74	3.82	3.90	3.99	4.08	4.17	4.26	4.35
China	1.64	2.04	2.98	3.11	3.57	3.80	4.01	4.23	4.47	4.71	4.97	5.24	5.53	5.84	6.16	6.50
India	1.31	1.54	1.92	2.22	2.47	2.69	2.85	3.03	3.21	3.41	3.62	3.84	4.08	4.33	4.60	4.88
Indonesia																
Malaysia																
Other Asia, COE	1.29	1.49	1.56	1.69	1.81	1.97	2.11	2.27	2.43	2.61	2.79	2.99	3.21	3.44	3.69	3.96
Australia	1.36	1.26	1.46	1.56	1.61	1.95	2.09	2.25	2.42	2.60	2.79	3.00	3.23	3.47	3.73	4.01
South Africa	1.02	1.10	1.08	1.23	1.77	2.44	2.60	2.77	2.96	3.15	3.36	3.57	3.81	4.06	4.32	4.61
North Africa & Middle East	1.04	1.07	1.27	1.57	1.84	1.67	1.79	1.92	2.06	2.20	2.36	2.53	2.71	2.90	3.11	3.33
Other Africa	1.18	1.30	1.33	1.66	1.54	1.51	1.59	1.67	1.76	1.85	1.94	2.04	2.15	2.26	2.38	2.50
TOTAL	1.65	1.84	2.22	2.45	2.47	2.67	2.86	3.02	3.19	3.36	3.56	3.76	3.98	4.22	4.47	4.75

Table -- 5

WHEAT PRODUCTION

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(mil metric tons)												
USA	55	66	64	61	62	59	61	63	66	68	71	73	76	79	82	85
Canada	18	20	26	30	26	25	25	27	28	30	31	33	35	37	38	41
Mexico	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	4
Brazil	3	3	4	4	2	2	3	3	3	3	3	3	4	4	4	4
Argentina	9	8	10	10	12	16	19	20	22	23	25	26	28	29	31	33
Other Latin America	2	2	2	3	3	2	3	3	3	3	3	3	3	3	3	3
W Europe	55	64	84	90	91	99	110	117	122	127	133	139	146	152	159	167
Central Europe	30	28	35	40	30	30	33	36	39	43	46	49	52	56	59	63
FSU-15	77	84	74	87	62	74	80	86	94	101	107	112	117	121	122	123
Japan	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
Taiwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Korea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
China	46	59	88	95	104	102	106	111	116	120	125	127	130	132	134	136
India	25	35	46	53	62	72	80	91	99	108	116	124	134	144	157	170
Indonesia																
Malaysia																
Other Asia, COE	23	29	31	34	37	41	45	50	54	59	64	69	74	80	85	91
Australia	12	14	17	13	16	23	25	27	29	31	33	36	39	42	45	48
South Africa	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3
North Africa & Middle East	15	15	18	25	31	26	28	32	34	37	39	42	46	49	53	57
Other Africa	1	1	1	2	3	3	3	4	5	5	6	7	8	9	11	13
TOTAL	374	433	509	555	547	576	627	675	719	766	810	852	897	944	991	1,042

Table -- 6

WHEAT AREA	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA (harvested area)	0.81	-2.13	-0.34	-0.38	-3.47	**-0.25**	**-0.25**	**-0.25**	**-0.25**	**-0.25**	**-0.25**	**-0.25**	**-0.25**	**-0.25**	**-0.25**
Canada	2.77	3.87	0.42	-3.99	-1.16	**-0.80**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Mexico	-2.26	6.83	-1.39	-1.17	-6.13	**-1.00**	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
Brazil	-0.28	-0.87	0.79	-13.23	0.01	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Argentina	-0.25	0.59	-0.63	1.24	2.70	**0.20**	**0.20**	**0.20**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Other Latin America	-4.60	0.20	-0.16	-1.73	-3.21	**-1.00**	**-1.00**	**-1.00**	**-1.00**	**-1.00**	**-1.00**	**-1.00**	**-1.00**	**-1.00**	**-1.00**
W Europe	-0.20	0.72	0.27	-1.46	1.17	**0.10**	**0.10**	**-0.20**	**-0.20**	**-0.20**	**-0.20**	**-0.20**	**-0.20**	**-0.20**	**-0.20**
Central Europe	-2.12	1.96	0.62	-1.66	-1.17	**0.50**	**0.50**	**0.80**	**0.50**	**0.00**	0.00	0.00	0.00	0.00	0.00
FSU-15	-0.30	-3.40	-1.13	-0.76	-0.61	**0.40**	**0.40**	**0.40**	**0.40**	0.00	-0.25	-0.25	-0.50	-1.00	-1.00
Japan	16.57	4.77	1.92	-10.01	3.25	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Taiwan	8.45	0.00	0.00	-7.79											
South Korea	-10.80	-29.01	-22.88	18.47	-6.51	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
China	0.89	0.35	0.70	-0.91	-1.62	**-0.25**	-0.25	-0.25	-0.25	-0.25	**-0.75**	-0.75	-0.75	-0.75	-0.75
India	3.30	1.21	0.15	1.07	1.07	**1.00**	1.50	0.50	0.50	0.20	0.20	0.25	0.35	0.45	0.45
Indonesia															
Malaysia															
Other Asia, COE	1.63	0.90	-0.11	0.46	0.43	**0.40**	**0.40**	**0.40**	**0.40**	**0.20**	0.10	0.00	0.00	0.00	0.00
Australia	5.86	0.36	-6.18	2.72	4.14	**0.20**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
South Africa	-0.77	1.76	-3.64	-5.17	-8.04	**-0.25**	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
North Africa & Middle East	-0.20	-0.03	1.82	1.23	-1.99	**0.50**	**1.00**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**
Other Africa	-2.10	0.94	4.07	4.87	3.54	**1.90**	**1.90**	**1.90**	**1.90**	**1.90**	**1.90**	**1.90**	**1.90**	**1.90**	**1.90**
TOTAL	0.76	-0.43	-0.29	-0.51	-0.48	0.34	0.38	0.18	0.17	0.01	-0.10	-0.10	-0.13	-0.20	-0.19

Table -- 7

WHEAT YIELD	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
		(annual percentage change)													
USA	3.00	1.61	-0.77	0.58	2.64	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Canada	-0.05	0.76	2.58	1.44	0.49	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Mexico	0.77	3.36	-0.39	-1.10	3.69	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Brazil	0.76	8.21	-0.14	2.76	1.48	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Argentina	-0.45	3.91	1.12	1.37	3.08	**1.2**	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Other Latin America	3.92	6.78	2.82	1.72	2.03	**1.2**	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
W Europe	3.17	4.97	1.22	1.53	0.55	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Central Europe	0.83	2.93	1.90	-4.13	1.11	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
FSU-15	1.99	1.14	4.30	-5.83	4.27	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Japan	3.15	2.43	-0.35	-1.28	2.42	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Taiwan	5.92	6.58	1.76	-2.64											
South Korea	9.00	-0.80	-19.73	26.37	1.67	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
China	4.50	7.84	0.86	2.76	1.29	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
India	3.40	4.45	2.91	2.24	1.67	**1.2**	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Indonesia															
Malaysia															
Other Asia, COE	2.90	0.83	1.72	1.32	1.73	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Australia	-1.49	2.89	1.39	0.63	3.85	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
South Africa	1.61	-0.53	2.74	7.48	6.72	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
North Africa & Middle East	0.59	3.58	4.24	3.31	-1.93	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Other Africa	1.89	0.50	4.60	-1.54	-0.40	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
TOTAL	2.22	3.74	2.01	0.21	1.56	1.34	1.09	1.10	1.10	1.13	1.13	1.13	1.15	1.19	1.19

Table -- 8

RICE AREA

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(mil hectares)												
USA (harvested area)	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
Canada	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brazil	6	6	5	4	4	3	3	3	3	3	2	2	2	2	2	2
Argentina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Latin America	2	2	2	2	2	2	2	2	3	3	3	3	3	3	4	4
W Europe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Central Europe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FSU-15	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Japan	3	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1
Taiwan	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
South Korea	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
China	36	34	33	33	31	30	29	29	28	27	26	25	24	23	22	21
India	39	40	41	43	43	45	46	46	47	48	48	49	49	49	48	48
Indonesia	8	9	10	11	11	12	12	12	13	13	13	14	14	14	14	14
Malaysia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Other Asia, COE	38	40	41	41	43	46	48	50	52	53	54	54	54	54	53	52
Australia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Africa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Africa & Middle East	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
Other Africa	4	4	5	5	6	7	7	8	9	9	10	11	12	13	14	15
TOTAL	141	143	145	147	148	153	156	158	161	163	165	166	167	166	165	164

Table -- 9

RICE YIELD

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(metric tons per hectare)												
USA	3.65	3.74	4.22	4.56	4.75	4.81	5.01	5.21	5.42	5.63	5.86	6.09	6.33	6.59	6.85	7.12
Canada																
Mexico	2.06	2.06	2.61	2.65	3.09	3.09	3.22	3.36	3.50	3.65	3.81	3.97	4.14	4.32	4.50	4.69
Brazil	0.96	1.01	1.21	1.46	1.81	2.15	2.31	2.48	2.65	2.84	3.05	3.27	3.50	3.76	4.03	4.32
Argentina	2.39	2.13	2.31	2.63	3.32	3.05	3.21	3.37	3.55	3.73	3.93	4.13	4.35	4.57	4.81	5.06
Other Latin America	1.91	2.20	2.32	2.28	2.38	2.78	2.94	3.10	3.28	3.46	3.65	3.86	4.08	4.31	4.55	4.80
W Europe	3.70	3.87	3.89	4.18	3.72	4.29	4.42	4.56	4.69	4.84	4.99	5.14	5.30	5.46	5.63	5.80
Central Europe	1.64	2.00	2.43	1.41	2.10	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54
FSU-15	2.28	2.34	2.34	2.23	1.63	1.90	1.96	2.03	2.10	2.17	2.24	2.32	2.40	2.48	2.56	2.65
Japan	4.10	4.06	4.60	4.45	4.77	4.80	4.96	5.12	5.29	5.46	5.64	5.82	6.01	6.20	6.41	6.61
Taiwan	2.91	3.27	3.49	3.72	4.13	3.86	3.98	4.10	4.23	4.35	4.49	4.62	4.76	4.91	5.06	5.21
South Korea	3.94	3.85	4.57	4.55	4.70	4.94	4.95	4.96	4.97	4.98	4.99	5.00	5.01	5.02	5.03	5.04
China	2.44	2.98	3.73	3.94	4.22	4.39	4.60	4.81	5.03	5.26	5.50	5.75	6.01	6.29	6.58	6.88
India	1.12	1.24	1.48	1.75	1.89	1.97	2.10	2.23	2.37	2.52	2.67	2.84	3.02	3.21	3.41	3.63
Indonesia	1.82	2.32	2.69	2.81	2.86	2.81	2.90	2.99	3.08	3.18	3.28	3.38	3.48	3.59	3.70	3.82
Malaysia	1.78	1.77	1.79	1.87	1.99	2.08	2.15	2.22	2.29	2.36	2.43	2.51	2.59	2.67	2.76	2.84
Other Asia, COE	1.24	1.37	1.53	1.68	1.80	2.02	2.14	2.27	2.41	2.56	2.72	2.89	3.06	3.25	3.45	3.66
Australia	3.91	4.58	4.53	6.14	5.76	6.37	6.68	7.00	7.33	7.68	8.04	8.43	8.83	9.25	9.69	10.15
South Africa																
North Africa & Middle East	2.96	2.91	3.06	3.33	3.52	4.25	4.44	4.64	4.84	5.06	5.28	5.52	5.76	6.02	6.28	6.56
Other Africa	0.86	0.87	0.89	1.12	1.05	1.07	1.08	1.10	1.12	1.13	1.15	1.17	1.18	1.20	1.22	1.24
TOTAL	1.67	1.87	2.19	2.38	2.51	2.62	2.72	2.84	2.96	3.09	3.22	3.37	3.51	3.67	3.83	4.00

Table -- 10

RICE PRODUCTION, Milled

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(mil metric tons)												
USA	4	5	4	5	6	6	7	7	8	8	9	10	10	11	12	13
Canada	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brazil	5	6	7	6	7	7	7	7	7	7	7	7	7	7	7	7
Argentina	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	3
Other Latin America	3	4	4	4	5	6	7	7	8	9	10	12	13	14	16	18
W Europe	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
Central Europe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FSU-15	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Japan	11	10	11	9	10	8	8	8	7	7	7	7	6	6	6	5
Taiwan	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2
South Korea	5	5	6	6	5	5	5	5	5	5	5	5	5	5	5	5
China	88	100	121	129	130	133	135	138	140	142	145	146	147	147	146	145
India	43	50	61	74	81	88	96	103	111	120	129	139	148	156	164	173
Indonesia	15	21	27	30	33	33	35	37	39	42	44	46	49	51	52	54
Malaysia	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
Other Asia, COE	47	54	62	70	78	94	103	114	126	136	147	156	166	174	183	190
Australia	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3
South Africa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Africa & Middle East	2	3	3	3	5	5	6	6	7	7	8	9	10	11	12	13
Other Africa	3	4	4	6	7	7	8	9	10	11	12	13	14	16	17	19
TOTAL	235	268	317	350	372	400	424	450	477	504	532	559	585	608	632	654

Table -- 11

RICE AREA	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA (harvested area)	4.96	-5.16	1.61	2.14	1.32	**0.60**	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
Canada															
Mexico	-2.45	-1.45	-8.19	-2.90	0.96	-2.27	-2.02	-1.59	-1.60	-1.75	-1.70	-1.68	-1.69	-1.70	-1.69
Brazil	2.16	-2.43	-4.49	-2.33	-2.45	**-1.50**	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50
Argentina	0.81	3.92	0.76	10.90	-2.96	2.63	2.42	2.25	1.85	2.16	2.11	2.09	2.09	2.10	2.10
Other Latin America	1.94	0.51	0.20	1.94	0.93	1.04	1.10	1.13	1.09	1.10	1.10	1.10	1.10	1.10	1.10
W Europe	-0.18	1.32	2.21	1.87	0.24	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Central Europe	-3.56	4.43	-3.63	-26.21	-1.47										
FSU-15	4.72	0.72	-1.18	-3.53	-6.15	**-0.50**	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
Japan	-2.86	-0.54	-2.22	0.28	-3.39	**-1.50**	**-1.50**	**-1.50**	**-1.50**	**-1.50**	**-1.50**	**-1.50**	**-1.50**	**-1.50**	**-1.50**
Taiwan	-2.97	-3.63	-4.20	-4.53	-0.15	**-0.15**	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15
South Korea	0.29	0.08	0.03	-2.87	0.00	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
China	-1.33	-0.60	0.17	-1.26	-0.34	**-0.55**	-0.55	-0.55	-0.55	-0.55	**-0.70**	**-0.80**	**-0.90**	**-1.00**	**-1.10**
India	0.75	0.46	0.71	0.09	0.92	**0.50**	0.25	0.25	0.25	0.25	0.25	0.10	-0.20	-0.20	-0.20
Indonesia	1.36	1.72	1.50	1.38	0.41	**0.60**	0.60	0.60	0.60	**0.50**	0.50	**0.25**	0.25	**0.00**	0.00
Malaysia	-0.98	-2.00	0.15	0.66	0.07	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Other Asia, COE	0.97	0.57	0.21	0.89	1.39	**0.80**	0.80	0.75	0.40	0.35	**0.00**	**0.00**	**-0.20**	**-0.20**	**-0.40**
Australia	7.14	-0.83	-0.49	5.37	3.11	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**
South Africa															
North Africa & Middle East	1.88	0.33	1.92	4.89	-1.99	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**
Other Africa	1.04	2.27	2.85	2.69	1.25	**1.70**	**1.70**	**1.70**	**1.70**	**1.70**	**1.70**	**1.70**	**1.70**	**1.70**	**1.70**
TOTAL	0.37	0.17	0.32	0.20	0.58	0.39	0.34	0.34	0.25	0.24	0.12	0.06	-0.09	-0.10	-0.15

Table -- 12

RICE YIELD	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA	0.51	2.45	1.53	0.83	0.27	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Canada															
Mexico	-0.08	4.88	0.32	3.11	0.01	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Brazil	0.97	3.77	3.86	4.32	3.56	**1.4**	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Argentina	-2.23	1.66	2.62	4.73	-1.69	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Other Latin America	2.81	1.11	-0.40	0.88	3.18	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
W Europe	0.87	0.13	1.44	-2.30	2.87	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Central Europe	4.14	3.97	-10.41	8.40	-6.06										
FSU-15	0.53	-0.02	-0.94	-6.11	3.10	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Japan	-0.17	2.52	-0.65	1.38	0.14	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Taiwan	2.34	1.34	1.30	2.09	-1.33	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
South Korea	-0.46	3.48	-0.07	0.66	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
China	4.03	4.58	1.11	1.38	0.83	**0.9**	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
India	2.00	3.66	3.30	1.61	0.85	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Indonesia	4.89	3.04	0.91	0.32	-0.35	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Malaysia	-0.10	0.16	0.91	1.24	0.92	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Other Asia, COE	1.88	2.25	1.98	1.40	2.27	**1.2**	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Australia	3.22	-0.24	6.29	-1.29	2.05	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
South Africa															
North Africa & Middle East	-0.34	0.96	1.71	1.15	3.83	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Other Africa	0.17	0.45	4.81	-1.29	0.27	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	2.31	3.22	1.69	1.01	0.88	0.80	0.82	0.83	0.86	0.87	0.87	0.86	0.87	0.86	0.85

Table -- 13

CORN AREA

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(mil hectares)												
USA (harvested area)	28	30	29	27	28	29	30	30	31	32	33	33	34	35	35	35
Canada	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2
Mexico	8	8	6	6	8	7	8	8	8	8	8	8	8	8	8	8
Brazil	11	13	13	13	14	13	16	20	23	25	25	27	29	30	30	29
Argentina	3	3	3	2	3	3	3	4	5	5	6.2	6	6	6	6	6.2
Other Latin America	4	4	4	5	5	5	5	5	5	5	5	6	6	6	6	6
W Europe	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5
Central Europe	8	8	7	7	6	6	7	7	6	6	6	5	5	5	5	5
FSU-15	3	3	4	3	2	2	3	3	3	3	3	3	3	3	4	4
Japan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taiwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Korea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
China	18	20	18	21	23	24	24	26	27	28	29	30	30	31	32	33
India	6	6	6	6	6	7	7	7	7	7	7	7	8	8	8	8
Indonesia	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Malaysia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Asia, COE	8	8	9	9	8	8	8	8	8	7	7	7	7	7	7	7
Australia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Africa	4	4	5	4	4	4	3	3	3	3	3	3	2	2	2	2
North Africa & Middle East	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
Other Africa	12	14	15	17	20	20	21	23	25	28	30	33	36	39	42	46
TOTAL	122	130	131	130	137	137	145	154	161	168	173	180	186	192	197	200

Table -- 14

CORN YIELD

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(metric tons per hectare)												
USA	5.15	6.47	7.20	7.18	7.93	8.52	9.12	9.77	10.47	11.22	12.01	12.87	13.78	14.77	15.82	16.94
Canada	5.15	5.92	6.02	6.57	7.20	6.94	7.41	7.91	8.44	9.01	9.62	10.27	10.96	11.70	12.49	13.34
Mexico	1.14	1.34	1.64	1.97	2.23	2.49	2.75	3.04	3.35	3.70	4.09	4.51	4.98	5.50	6.08	6.71
Brazil	1.58	1.74	1.73	1.95	2.52	2.76	2.98	3.21	3.46	3.73	4.02	4.33	4.66	5.03	5.42	5.84
Argentina	2.63	3.13	3.48	3.79	4.37	5.51	5.97	6.46	6.99	7.57	8.19	8.87	9.60	10.40	11.26	12.19
Other Latin America	1.23	1.48	1.67	1.72	1.88	1.96	2.10	2.26	2.42	2.60	2.79	2.99	3.21	3.45	3.70	3.97
W Europe	4.37	5.50	6.51	6.84	7.96	9.02	9.76	10.57	11.44	12.39	13.41	14.52	15.72	17.02	18.42	19.94
Central Europe	3.52	4.19	4.61	4.03	3.48	3.60	4.05	4.32	4.61	4.92	5.25	5.60	5.97	6.37	6.80	7.25
FSU-15	2.96	2.99	3.21	3.48	2.45	2.26	2.56	2.66	2.77	2.89	3.01	3.13	3.26	3.40	3.54	3.68
Japan	2.58	2.50	2.33	2.00	1.67	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Taiwan	2.76	2.84	3.68	5.01	4.76	4.80	5.11	5.44	5.78	6.15	6.55	6.97	7.41	7.89	8.40	8.93
South Korea	1.90	4.48	4.74	4.29	3.98	3.98	4.10	4.22	4.34	4.46	4.59	4.73	4.86	5.00	5.15	5.30
China	2.50	3.04	3.76	4.33	4.94	4.79	5.29	5.84	6.44	7.11	7.85	8.67	9.57	10.57	11.67	12.88
India	1.07	1.10	1.29	1.51	1.58	1.79	1.96	2.14	2.34	2.56	2.79	3.05	3.34	3.65	3.99	4.36
Indonesia	1.18	1.46	1.71	1.86	1.74	1.97	2.12	2.29	2.47	2.66	2.87	3.09	3.33	3.60	3.88	4.18
Malaysia	1.92	1.43	1.67	1.76	1.89	2.18	2.39	2.61	2.86	3.12	3.42	3.74	4.09	4.48	4.90	5.36
Other Asia, COE	1.50	1.61	1.81	1.92	2.12	2.29	2.49	2.71	2.95	3.22	3.50	3.81	4.15	4.51	4.91	5.35
Australia	2.70	3.10	2.83	4.56	5.44	5.15	5.38	5.61	5.86	6.12	6.39	6.67	6.97	7.28	7.60	7.93
South Africa	1.94	2.56	1.74	1.75	2.20	2.51	2.65	2.81	2.97	3.14	3.33	3.52	3.73	3.94	4.17	4.41
North Africa & Middle East	2.51	2.71	3.15	3.88	4.36	5.17	5.71	6.30	6.96	7.68	8.48	9.36	10.34	11.42	12.60	13.92
Other Africa	1.07	1.05	1.18	1.24	1.34	1.28	1.33	1.38	1.43	1.48	1.54	1.59	1.65	1.71	1.78	1.84
TOTAL	2.72	3.26	3.61	3.69	4.05	4.31	4.62	4.93	5.29	5.67	6.09	6.52	6.98	7.49	8.00	8.56

Table -- 15

CORN PRODUCTION

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(mil metric tons)												
USA	143	192	210	194	226	244	271	297	326	357	391	428	469	514	551	590
Canada	3	6	7	7	7	8	9	10	11	12	13	15	17	18	20	23
Mexico	9	11	10	13	18	19	21	24	26	30	33	37	41	45	50	55
Brazil	18	22	23	26	35	36	49	65	78	92	102	118	135	150	163	167
Argentina	7	10	11	8	13	16	20	25	32	40	51	55	60	65	70	76
Other Latin America	5	6	7	8	9	9	10	11	12	14	15	17	18	20	22	24
W Europe	17	22	27	27	31	39	43	47	52	58	64	71	78	86	93	101
Central Europe	28	32	34	27	22	22	27	28	29	30	30	31	31	32	33	33
FSU-15	10	9	13	12	5	6	7	7	8	9	10	10	11	12	12	13
Japan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taiwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Korea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
China	46	61	69	92	113	115	127	153	174	198	226	257	292	332	378	430
India	6	6	8	9	10	12	13	15	16	18	20	23	25	28	31	34
Indonesia	3	4	5	5	6	6	6	7	8	8	9	10	11	12	13	14
Malaysia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Asia, COE	11	13	17	17	17	18	19	21	22	24	26	28	30	32	35	37
Australia	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
South Africa	9	11	8	7	8	9	9	9	9	9	9	9	9	9	9	9
North Africa & Middle East	3	4	4	5	7	7	8	8	9	10	11	12	14	15	17	19
Other Africa	12	15	18	21	26	25	29	32	36	41	46	52	59	66	75	84
TOTAL	332	425	471	478	554	591	669	761	851	951	1,057	1,173	1,300	1,437	1,572	1,711

Table -- 16

CORN AREA	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA (harvested area)	1.46	-0.35	-1.47	0.96	0.19	**0.75**	**0.45**	0.45	0.45	0.45	0.45	0.45	0.45	0.00	0.00
Canada	9.07	1.77	-0.40	-1.19	2.64	**0.80**	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Mexico	0.32	-4.95	0.95	4.40	-1.36	0.47	**0.30**	**0.30**	**0.30**	**0.15**	**0.15**	**0.15**	0.00	0.00	0.00
Brazil	2.32	0.75	0.18	1.09	-1.27	**4.50**	4.50	2.20	1.75	0.50	1.50	1.25	0.50	0.20	-1.00
Argentina	1.59	1.16	-8.80	7.41	0.12	3.10	3.10	3.10	3.10	3.10	0.00	0.00	0.00	0.00	0.00
Other Latin America	-0.10	-0.03	1.37	0.14	0.41	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
W Europe	0.70	0.20	-0.71	-0.19	2.05	**0.40**	**0.40**	**0.40**	**0.40**	**0.40**	**0.40**	**0.40**	**0.40**	**0.00**	**0.00**
Central Europe	-0.48	-0.99	-1.88	-1.01	-0.86	**-0.60**	**-0.60**	**-0.90**	**-0.90**	**-0.90**	**-0.90**	**-0.90**	**-0.90**	**-0.90**	**-0.90**
FSU-15	-1.50	6.56	-4.69	-7.94	2.64	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**0.50**	**0.50**	**0.50**	**0.50**	**0.50**
Japan	-18.61	-9.71	0.00	0.00	0.00	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Taiwan	-3.46	11.40	4.50	-7.36	-37.64	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
South Korea	1.46	-4.36	-1.81	-4.50	0.68	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
China	1.64	-1.57	2.73	1.56	1.08	**0.00**	**1.75**	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
India	-0.26	-0.22	0.24	0.76	1.24	**0.75**	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
Indonesia	2.82	0.69	-0.65	4.58	-2.82	**0.20**	**0.20**	**0.20**	**0.20**	**0.20**	**0.20**	**0.20**	**0.20**	**0.20**	**0.20**
Malaysia	14.87	1.39	5.57	2.88	3.82	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Other Asia, COE	1.80	2.14	-0.63	-2.64	-0.36	**-0.20**	**-0.20**	**-0.20**	**-0.20**	**-0.20**	**-0.20**	**-0.20**	**-0.20**	**-0.20**	**-0.20**
Australia	2.64	6.71	-8.10	2.09	4.05	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**
South Africa	-0.02	1.33	-3.33	-1.43	-1.36	**-1.00**	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
North Africa & Middle East	0.07	0.34	0.23	2.71	-3.36	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Other Africa	3.79	1.61	2.22	2.87	0.18	**1.70**	**1.70**	**1.70**	**1.70**	**1.70**	**1.70**	**1.70**	**1.70**	**1.70**	**1.70**
TOTAL	1.40	0.04	-0.14	1.05	0.04	1.12	1.28	0.85	0.83	0.67	0.72	0.71	0.60	0.49	0.33

Table -- 17

CORN YIELD	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
		(annual percentage change)													
USA	4.68	2.15	-0.04	2.00	1.43	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Canada	2.82	0.32	1.78	1.85	-0.74	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Mexico	3.40	4.13	3.71	2.51	2.23	**2.0**	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Brazil	1.91	-0.06	2.36	5.32	1.82	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Argentina	3.53	2.15	1.70	2.91	4.72	**1.6**	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Other Latin America	3.70	2.46	0.67	1.73	0.85	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
W Europe	4.69	3.43	1.02	3.05	2.54	**1.6**	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Central Europe	3.59	1.90	-2.64	-2.92	0.70	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
FSU-15	0.19	1.43	1.63	-6.80	-1.60	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Japan	-0.65	-1.37	-3.04	-3.58	-9.71	**0.0**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Taiwan	0.59	5.28	6.40	-1.05	0.19	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
South Korea	18.74	1.12	-1.98	-1.49	0.03	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
China	3.93	4.36	2.86	2.68	-0.62	**2.0**	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.000
India	0.55	3.24	3.17	0.93	2.53	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Indonesia	4.30	3.23	1.65	-1.24	2.44	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Malaysia	-5.71	3.13	1.13	1.40	2.91	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Other Asia, COE	1.46	2.32	1.21	2.05	1.52	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Australia	2.79	-1.80	10.01	3.59	-1.11	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
South Africa	5.69	-7.47	0.13	4.70	2.64	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
North Africa & Middle East	1.61	3.05	4.23	2.36	3.46	**2.0**	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.00
Other Africa	-0.31	2.24	1.02	1.61	-0.92	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
TOTAL	3.67	2.03	0.44	1.90	1.28	1.38	1.32	1.38	1.40	1.46	1.37	1.38	1.41	1.32	1.37

TABLE -- 18

OTHER COARSE GRAINS
AREA

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(mil hectares)												
USA (harvested area)	14	12	14	10	8	6	6	6	5	5	5	5	4	4	4	4
Canada	7	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5
Mexico	2	1	2	2	2	2	3	3	3	3	3	3	3	3	3	3
Brazil	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	3
Argentia	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	0
Other Latin America	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
W Europe	20	20	19	17	13	13	12	11	11	10	9	9	8	7	7	6
Central Europe	5	6	5	5	4	4	4	4	3	3	3	3	3	3	3	2
FSU-15	47	48	45	41	37	25	25	26	26	26	27	27	27	28	28	28
Japan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taiwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Korea	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
China	13	9	8	6	5	4	3	3	3	2	2	2	2	2	1	1
India	37	36	34	30	26	22	20	19	17	16	14	13	12	11	10	9
Indonesia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malaysia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Asia, COE	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Australia	4	4	5	4	5	4	4	4	4	4	4	4	4	4	4	4
South Africa	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
North Africa & Middle East	8	9	10	11	10	8	9	10	11	11	12	12	12	13	13	13
Other Africa	29	33	31	32	43	44	46	50	53	56	60	64	68	73	78	83
TOTAL	198	197	190	173	169	148	148	150	151	152	154	157	159	163	166	171

TABLE -- 19

OTHER COARSE GRAINS
YIELD

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(metric tons per hectare)												
USA	2.37	2.87	3.14	3.01	3.41	3.50	3.85	4.05	4.26	4.48	4.71	4.95	5.20	5.47	5.75	6.04
Canada	2.02	2.30	2.54	2.63	2.88	2.80	2.94	3.09	3.25	3.42	3.59	3.77	3.97	4.17	4.38	4.60
Mexico	2.36	2.46	2.73	2.62	2.81	2.97	3.06	3.16	3.25	3.36	3.46	3.57	3.68	3.79	3.91	4.03
Brazil	1.81	1.47	1.51	1.45	1.50	1.66	1.72	1.77	1.83	1.88	1.94	2.00	2.07	2.13	2.20	2.27
Argentia	2.22	2.52	2.45	2.50	2.65	3.30	3.45	3.61	3.77	3.95	4.13	4.32	4.52	4.73	4.94	5.17
Other Latin America	1.19	1.46	1.67	1.80	1.70	1.45	1.51	1.58	1.65	1.72	1.79	1.87	1.95	2.03	2.12	2.21
W Europe	3.09	3.39	3.90	4.02	4.06	4.42	4.67	4.93	5.21	5.50	5.81	6.13	6.48	6.84	7.22	7.63
Central Europe	2.75	2.73	3.31	3.56	2.81	2.70	2.85	3.01	3.18	3.36	3.55	3.76	3.97	4.19	4.43	4.68
FSU-15	1.36	1.09	1.40	1.56	1.36	1.54	1.69	1.75	1.81	1.88	1.95	2.01	2.09	2.16	2.24	2.32
Japan	2.70	3.22	3.29	3.08	3.73	3.91	4.09	4.28	4.49	4.70	4.92	5.15	5.39	5.64	5.91	6.18
Taiwan	1.88	2.36	3.96	4.05	4.38	4.36										
South Korea	2.10	2.48	2.36	3.72	4.04	3.85	4.00	4.16	4.32	4.49	4.66	4.85	5.03	5.23	5.44	5.65
China	1.74	1.92	2.20	2.36	2.93	2.36	2.51	2.67	2.85	3.03	3.23	3.44	3.67	3.91	4.16	4.43
India	0.59	0.63	0.61	0.74	0.82	0.85	0.89	0.92	0.96	1.01	1.05	1.09	1.14	1.19	1.24	1.29
Indonesia																
Malaysia																
Other Asia, COE	1.27	1.44	1.57	1.50	1.60	1.61	1.65	1.70	1.74	1.79	1.84	1.89	1.94	2.00	2.05	2.11
Australia	1.34	1.33	1.53	1.71	1.68	2.04	2.17	2.29	2.43	2.58	2.73	2.90	3.07	3.25	3.45	3.65
South Africa	0.50	0.98	0.96	0.53	0.72	0.49	0.50	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.58	0.59
North Africa & Middle East	1.02	0.87	0.99	1.05	1.29	0.89	0.95	1.01	1.07	1.14	1.21	1.29	1.37	1.46	1.55	1.65
Other Africa	0.69	0.66	0.69	0.73	0.74	0.73	0.74	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83
TOTAL	1.45	1.45	1.65	1.68	1.61	1.63	1.71	1.74	1.77	1.80	1.83	1.85	1.88	1.90	1.93	1.95

TABLE -- 20

OTHER COARSE GRAINS
PRODUCTION

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(mil metric tons)												
USA	34	35	44	29	27	22	23	23	23	23	23	23	23	23	23	23
Canada	14	14	15	15	17	16	16	17	18	18	19	19	20	21	21	22
Mexico	4	4	5	5	6	7	8	8	9	10	10	11	12	12	13	14
Brazil	0	0	1	1	1	1	1	1	2	2	2	3	3	4	5	6
Argentina	7	7	5	4	3	4	4	3	3	3	3	3	3	3	3	3
Other Latin America	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2
W Europe	61	69	74	66	55	58	57	56	55	54	53	52	52	51	50	49
Central Europe	15	15	16	17	13	11	11	11	11	11	11	11	11	11	11	11
FSU-15	64	53	63	64	51	39	43	45	47	49	52	54	57	59	62	65
Japan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taiwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Korea	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1
China	22	18	17	14	14	9	8	8	8	7	7	7	7	6	6	6
India	22	23	20	22	22	19	18	17	16	16	15	14	13	13	12	12
Indonesia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malaysia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Asia, COE	7	8	10	8	9	9	9	10	10	10	10	11	11	11	12	12
Australia	5	6	8	7	8	9	9	10	10	11	12	12	13	14	15	16
South Africa	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1
North Africa & Middle East	9	8	10	12	13	7	8	10	11	13	14	15	17	18	20	22
Other Africa	20	22	21	23	31	32	34	37	40	43	47	51	55	59	64	69
TOTAL	286	286	314	291	272	241	254	260	267	274	282	290	299	309	320	332

TABLE -- 21

OTHER COARSE GRAINS AREA	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA (harvested area)	-3.10	3.02	-7.32	-4.15	-4.62	**-2.00**	**-1.50**	**-1.00**	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
Canada	-2.48	-0.48	-1.09	0.78	-0.79	-0.35	-0.33	-0.32	-0.38	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35
Mexico	-0.32	2.33	0.92	2.95	2.14	2.16	**1.00**	**1.00**	**1.00**	**0.50**	**0.50**	**0.50**	**0.50**	**0.50**	**0.50**
Brazil	2.57	11.55	2.18	2.02	2.67	3.26	2.73	2.80	2.86	2.86	2.83	2.84	2.84	2.84	2.84
Argentia	-2.62	-4.50	-7.95	-5.03	2.44	-2.58	-2.10	-1.63	-1.55	-1.79	-1.72	-1.70	-1.71	-1.71	-1.71
Other Latin America	0.79	-0.72	0.30	-1.78	-0.70	-0.83	-0.87	-0.92	-0.86	-0.88	-0.88	-0.88	-0.88	-0.88	-0.88
W Europe	0.60	-1.42	-2.66	-3.98	-0.51	**-1.50**	**-1.40**	**-1.40**	**-1.40**	**-1.40**	**-1.40**	**-1.40**	**-1.40**	**-1.40**	**-1.40**
Central Europe	1.11	-3.34	0.25	-1.46	-1.91	**-1.00**	**-1.00**	**-1.00**	**-1.00**	**-1.00**	**-1.00**	**-1.00**	**-1.00**	**-1.00**	**-1.00**
FSU-15	0.51	-1.31	-1.96	-2.00	-7.48	**0.00**	**0.30**	**0.30**	**0.30**	**0.30**	**0.20**	**0.20**	**0.20**	**0.20**	**0.20**
Japan	5.53	-1.43	-1.42	-10.64	-2.16	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Taiwan	-8.73	23.23	6.21	-6.56	-4.18	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
South Korea	-12.14	-5.92	-9.33	-9.94	2.09	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
China	-5.72	-3.27	-5.10	-5.08	-4.91	**-2.00**	**-2.00**	**-2.00**	**-2.00**	**-2.00**	**-2.00**	**-2.00**	**-2.00**	**-2.00**	**-2.00**
India	-0.71	-1.27	-2.21	-2.49	-3.35	**-1.80**	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80
Indonesia															
Malaysia															
Other Asia, COE	1.38	1.50	-1.72	0.27	0.18	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Australia	3.66	2.34	-3.44	2.77	-1.87	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
South Africa	-6.18	5.77	2.02	-0.89	-1.71	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
North Africa & Middle East	1.66	1.74	1.90	-1.44	-5.90	**3.00**	**3.00**	**1.00**	**1.00**	**1.00**	**0.50**	**0.50**	**0.50**	**0.50**	**0.50**
Other Africa	2.20	-1.01	0.78	5.80	0.45	**1.30**	**1.30**	**1.30**	**1.30**	**1.30**	**1.30**	**1.30**	**1.30**	**1.30**	**1.30**
TOTAL	-0.10	-0.73	-1.80	-0.45	-2.69	0.07	0.17	0.15	0.22	0.27	0.28	0.34	0.40	0.45	0.51

TABLE -- 22

OTHER COARSE GRAINS YIELD	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
		(annual percentage change)													
USA	3.89	1.78	-0.83	2.52	0.53	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Canada	2.63	1.98	0.69	1.85	-0.53	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Mexico	0.77	2.16	-0.83	1.40	1.10	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Brazil	-4.06	0.53	-0.75	0.56	2.16	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Argentia	2.58	-0.56	0.41	1.19	4.46	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Other Latin America	4.27	2.69	1.50	-1.17	-3.07	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
W Europe	1.87	2.86	0.63	0.17	1.73	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Central Europe	-0.18	3.91	1.50	-4.66	-0.79	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
FSU-15	-4.24	5.08	2.11	-2.70	2.51	**0.7**	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Japan	3.65	0.39	-1.29	3.90	0.93	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Taiwan	4.63	10.95	0.47	1.53	-0.08	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
South Korea	3.40	-1.01	9.56	1.67	-0.99	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
China	2.08	2.70	1.41	4.44	-4.26	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
India	1.19	-0.75	3.88	2.19	0.75	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Indonesia															
Malaysia															
Other Asia, COE	2.64	1.75	-0.89	1.28	0.05	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Australia	-0.04	2.83	2.23	-0.34	3.94	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
South Africa	14.52	-0.59	-11.10	6.15	-7.22	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
North Africa & Middle East	-3.14	2.61	1.25	4.27	-7.26	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Other Africa	-0.70	0.74	1.14	0.20	-0.12	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TOTAL	0.06	2.63	0.33	-0.90	0.27	0.96	0.32	0.37	0.34	0.31	0.29	0.27	0.25	0.23	0.21

TABLE -- 23

SOYBEAN AREA

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(mil hectares)												
USA (harvested area)	21	28	25	23	25	30	30	30	31	32	32	33	34	35	36	36
Canada	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brazil	6	8	10	10	11	14	16	19	22	26	29	32	33	35	36	38
Argentina	0	2	3	5	6	10	11	13	15	17	19	20	21	22	22	22
Other Latin America	0	1	1	1	2	2	2	2	3	3	3	3	3	3	3	3
W Europe	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Central Europe	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
FSU-15	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1
Japan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taiwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Korea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
China	7	7	8	8	8	9	9	10	10	11	11	12	12	13	14	14
India	0	1	1	3	5	6	6	7	7	7	7	7	8	8	8	8
Indonesia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Malaysia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Asia, COE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Australia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Africa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N. Africa & Middle East	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Africa	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
TOTAL	39	50	52	56	62	75	79	86	93	100	107	112	116	120	124	128

TABLE -- 24

SOYBEAN YIELD

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(metric tons per hectare)												
USA	1.76	1.99	2.14	2.26	2.56	2.55	2.75	2.96	3.19	3.44	3.70	3.99	4.30	4.63	4.99	5.37
Canada	1.92	2.34	2.42	2.44	2.68	2.47	2.58	2.70	2.83	2.96	3.10	3.24	3.39	3.55	3.72	3.89
Mexico	1.77	1.83	1.81	2.09	1.47	1.46	1.52	1.58	1.65	1.72	1.79	1.86	1.94	2.02	2.11	2.19
Brazil	1.74	1.69	1.72	1.79	2.25	2.64	2.88	3.13	3.41	3.71	4.04	4.40	4.79	5.21	5.67	6.17
Argentina	1.69	1.96	2.09	2.31	2.03	2.53	2.75	2.99	3.24	3.52	3.82	4.14	4.50	4.88	5.30	5.75
Other Latin America	1.62	1.50	1.62	1.57	2.10	2.34	2.52	2.72	2.93	3.16	3.41	3.67	3.96	4.27	4.61	4.97
W Europe	1.62	1.71	2.77	3.09	3.18	3.11	3.24	3.39	3.53	3.69	3.85	4.01	4.19	4.37	4.56	4.75
Central Europe	1.52	1.26	1.42	1.23	1.63	1.87	1.95	2.04	2.14	2.23	2.33	2.44	2.55	2.67	2.79	2.91
FSU-15	0.68	0.58	0.73	1.07	0.65	0.88	0.94	1.00	1.06	1.13	1.20	1.28	1.36	1.45	1.55	1.65
Japan	1.40	1.38	1.75	1.56	1.72	1.80	1.90	2.00	2.10	2.21	2.33	2.45	2.58	2.72	2.86	3.02
Taiwan	1.57	1.61	1.79	2.00	2.00	2.00	2.10	2.20	2.31	2.43	2.55	2.67	2.81	2.94	3.09	3.24
South Korea	1.15	1.22	1.44	1.56	1.47	1.32	1.36	1.40	1.44	1.48	1.53	1.57	1.62	1.66	1.71	1.76
China	1.02	1.10	1.36	1.37	1.72	1.75	1.90	2.06	2.23	2.42	2.63	2.85	3.09	3.35	3.63	3.94
India	0.61	0.79	0.70	0.87	0.85	0.92	1.00	1.09	1.18	1.28	1.39	1.51	1.64	1.79	1.94	2.11
Indonesia	0.80	0.87	0.98	1.10	1.19	1.22	1.33	1.44	1.57	1.71	1.86	2.02	2.20	2.39	2.61	2.83
Malaysia																
Other Asia, COE	0.77	1.00	1.21	1.25	1.25	1.22	1.28	1.34	1.41	1.48	1.56	1.64	1.72	1.81	1.90	1.99
Australia	1.64	1.71	1.66	1.76	2.15	2.13	2.21	2.29	2.37	2.45	2.54	2.63	2.72	2.82	2.92	3.02
South Africa	0.92	1.19	1.42	1.35	1.15	1.53	1.62	1.72	1.82	1.93	2.04	2.16	2.29	2.42	2.57	2.72
N. Africa & Middle East	1.23	2.44	2.33	2.08	1.75	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
Other Africa	0.54	0.74	1.02	1.10	1.05	1.36	1.48	1.62	1.77	1.94	2.12	2.32	2.54	2.77	3.03	3.31
TOTAL	1.55	1.72	1.83	1.90	2.12	2.29	2.47	2.68	2.92	3.18	3.46	3.76	4.07	4.42	4.79	5.19

TABLE -- 25

SOYBEAN PRODUCTION

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(mil metric tons)												
USA	37	55	54	53	64	75	82	90	99	109	120	133	146	161	177	195
Canada	0	1	1	1	2	3	3	3	3	4	4	4	4	5	5	5
Mexico	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Brazil	11	14	17	18	26	38	45	59	76	96	117	139	156	180	206	236
Argentina	1	4	7	11	12	25	31	38	47	59	73	83	95	105	114	124
Other Latin America	0	1	1	2	4	5	5	7	8	9	10	11	12	14	15	17
W Europe	0	0	0	2	1	1	1	1	1	1	1	1	2	2	2	2
Central Europe	0	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1
FSU-15	1	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1
Japan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taiwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Korea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
China	7	8	11	10	14	15	17	20	23	26	30	34	38	43	49	56
India	0	0	1	2	4	5	6	7	8	9	10	11	13	14	16	17
Indonesia	1	1	1	1	2	1	1	1	2	2	2	2	2	2	3	3
Malaysia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Asia, COE	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2
Australia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Africa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N. Africa & Middle East	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Africa	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2
TOTAL	60	87	96	106	132	171	195	230	272	319	371	423	473	532	593	662

TABLE -- 26

SOYBEAN AREA	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA (harvested area)	5.77	-1.86	-1.32	1.30	3.35	**0.10**	**0.45**	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Canada	11.76	7.43	6.30	9.07	4.27	**1.00**	**1.00**	**1.00**	**0.50**	**0.50**	**0.50**	**0.00**	**0.00**	**0.00**	**0.00**
Mexico	4.08	3.33	0.45	-15.28	-12.83	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Brazil	5.70	2.53	1.43	2.12	4.35	2.00	**3.60**	3.60	**3.00**	2.25	1.75	**0.60**	1.25	1.00	1.00
Argentina	31.75	11.89	7.51	4.28	10.39	**2.75**	2.70	2.70	2.70	2.70	**1.00**	1.00	0.50	0.00	0.00
Other Latin America	15.26	5.88	11.86	5.80	2.36	**2.25**	**1.90**	**1.60**	**1.20**	**0.80**	**0.80**	**0.80**	**0.50**	**0.50**	**0.50**
W Europe	6.81	52.23	31.35	-11.56	2.18	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Central Europe	12.99	1.14	-4.74	-16.97	7.85	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
FSU-15	1.31	-2.47	1.75	-7.07	-3.84	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**0.80**	**0.80**	**0.80**	**0.80**	**0.80**
Japan	9.87	-0.72	1.58	-13.55	10.92	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Taiwan	-20.96	-5.40	-13.65	3.13	-8.46	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
South Korea	-5.85	-4.31	-2.23	-5.36	-4.44	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
China	1.43	0.70	-0.58	1.86	0.86	**1.00**	**1.75**	**0.90**	0.90	0.90	0.90	0.90	0.90	0.90	0.90
India	32.98	20.44	14.25	11.58	4.74	**2.00**	1.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Indonesia	1.02	5.32	7.69	-0.49	-5.29	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Malaysia															
Other Asia, COE	-1.90	7.56	5.10	-2.77	-1.37	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Australia	5.22	7.70	-10.01	-5.70	11.26	**2.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
South Africa	0.28	5.25	19.96	-0.97	9.92	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
N. Africa & Middle East	12.38	1.41	0.80	2.65	-3.09	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Other Africa	1.20	-4.00	6.71	10.61	-4.43	**1.70**	**1.70**	**1.70**	**1.70**	**1.70**	**1.70**	**1.70**	**1.70**	**1.70**	**1.70**
TOTAL	5.52	0.79	1.29	2.11	3.75	1.16	1.66	1.60	1.51	1.37	0.96	0.64	0.73	0.58	0.58

TABLE -- 27

SOYBEAN YIELD	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA	2.44	1.49	1.05	2.57	-0.06	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Canada	4.08	0.67	0.14	1.94	-1.66	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Mexico	0.73	-0.23	2.91	-6.76	-0.15	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Brazil	-0.53	0.31	0.79	4.65	3.33	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Argentina	2.93	1.28	2.01	-2.55	4.58	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Other Latin America	-1.46	1.54	-0.64	5.99	2.15	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
W Europe	1.08	10.17	2.18	0.59	-0.43	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Central Europe	-3.68	2.44	-2.95	5.85	2.79	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
FSU-15	-3.03	4.71	7.91	-9.38	6.12	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Japan	-0.38	4.95	-2.23	1.88	0.95	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Taiwan	0.49	2.17	2.20	0.00	0.00	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
South Korea	1.23	3.42	1.53	-1.12	-2.16	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
China	1.49	4.46	0.07	4.69	0.30	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
India	5.14	-2.21	4.23	-0.35	1.57	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Indonesia	1.74	2.27	2.51	1.44	0.55	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Malaysia															
Other Asia, COE	5.31	3.92	0.66	-0.11	-0.49	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Australia	0.92	-0.69	1.28	3.98	-0.11	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
South Africa	5.16	3.64	-1.08	-3.11	5.90	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
N. Africa & Middle East	14.71	-0.89	-2.23	-3.45	-1.96	**0.0**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Africa	6.52	6.60	1.59	-0.94	5.27	**1.8**	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
TOTAL	2.09	1.25	0.74	2.20	1.53	1.56	1.66	1.73	1.72	1.70	1.66	1.61	1.64	1.62	1.62

TABLE -- 28

OTHER OILSEEDS AREA

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(mil hectares)												
USA (harvested area)	5	8	6	6	8	8	8	8	8	8	8	8	8	8	8	8
Canada	1	2	3	3	5	5	6	6	6	6	6	6	6	6	6	6
Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brazil	2	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0
Argentina	2	2	3	3	4	3	3	3	3	3	3	4	4	4	4	4
Other Latin America	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
W Europe	2	2	4	5	6	6	6	6	7	7	7	8	8	9	9	9
Central Europe	2	2	2	2	3	3	4	4	4	5	5	6	6	7	7	7
FSU-15	7	7	7	8	9	11	12	13	13	14	15	16	16	17	18	18
Japan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taiwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Korea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
China	9	12	15	15	16	18	19	20	21	21	22	23	23	24	24	25
India	18	19	19	24	25	24	25	25	25	25	25	25	25	25	25	25
Indonesia	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Malaysia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Asia, COE	5	5	6	6	7	7	7	8	8	8	9	9	10	10	11	11
Australia	0	0	1	0	1	2	3	3	3	3	3	3	3	3	3	3
South Africa	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
North Africa & Middle East	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Other Africa	10	9	8	8	10	11	12	12	13	13	14	15	16	16	17	18
TOTAL	68	75	79	89	98	102	109	112	116	119	122	126	129	132	136	140

TABLE -- 29

OTHER OILSEEDS YIELD

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(metric tons per hectare)												
USA	1.07	1.15	1.34	1.34	1.36	1.30	1.34	1.38	1.42	1.46	1.50	1.55	1.59	1.64	1.69	1.74
Canada	1.03	1.18	1.26	1.25	1.32	1.44	1.51	1.59	1.67	1.76	1.85	1.94	2.04	2.15	2.26	2.37
Mexico	1.45	1.49	1.76	1.52	1.32	1.49	1.50	1.51	1.52	1.53	1.54	1.55	1.57	1.58	1.59	1.60
Brazil	0.56	0.66	0.68	0.65	0.77	1.64	1.73	1.81	1.90	2.00	2.10	2.20	2.32	2.43	2.55	2.68
Argentina	0.82	0.98	1.35	1.37	1.64	1.60	1.70	1.80	1.91	2.02	2.14	2.27	2.41	2.55	2.71	2.87
Other Latin America	0.94	0.96	0.93	0.92	0.96	0.77	0.78	0.80	0.81	0.83	0.85	0.86	0.88	0.89	0.91	0.93
W Europe	1.49	1.65	1.98	2.21	2.07	2.44	2.59	2.75	2.91	3.09	3.28	3.49	3.70	3.93	4.17	4.42
Central Europe	1.61	1.70	1.98	1.99	1.61	1.56	1.63	1.70	1.78	1.87	1.95	2.04	2.14	2.24	2.34	2.45
FSU-15	1.40	1.32	1.34	1.41	1.01	0.92	0.95	0.99	1.02	1.06	1.10	1.14	1.18	1.22	1.26	1.31
Japan	1.79	1.85	1.84	1.98	2.18	2.21	2.28	2.34	2.41	2.48	2.55	2.62	2.70	2.77	2.85	2.94
Taiwan	1.43	1.61	1.62	1.95	2.26	1.66	1.71	1.77	1.83	1.89	1.95	2.02	2.09	2.16	2.23	2.30
South Korea	1.06	1.81	2.33	2.37	2.62	1.72	1.77	1.82	1.88	1.94	2.00	2.06	2.12	2.18	2.25	2.32
China	0.81	1.10	1.47	1.47	1.75	1.97	2.09	2.22	2.36	2.50	2.66	2.82	2.99	3.18	3.37	3.58
India	0.55	0.57	0.65	0.75	0.83	0.71	0.74	0.78	0.82	0.87	0.91	0.96	1.01	1.06	1.12	1.17
Indonesia	1.32	1.53	1.43	1.42	1.48	1.48	1.51	1.55	1.58	1.62	1.66	1.70	1.74	1.78	1.82	1.86
Malaysia	2.33	2.33	2.33	2.44	2.50	2.67	2.79	2.92	3.05	3.19	3.33	3.48	3.64	3.81	3.98	4.16
Other Asia, COE	0.73	0.83	1.00	1.15	1.08	1.16	1.23	1.29	1.36	1.43	1.51	1.59	1.67	1.76	1.86	1.96
Australia	0.77	1.10	1.33	1.83	1.56	1.50	1.56	1.63	1.70	1.78	1.85	1.93	2.02	2.11	2.20	2.29
South Africa	1.02	0.97	0.86	0.86	1.01	1.30	1.36	1.43	1.51	1.58	1.66	1.75	1.84	1.93	2.03	2.14
North Africa & Middle East	1.12	1.35	1.37	1.22	1.39	1.51	1.57	1.62	1.68	1.74	1.80	1.86	1.93	2.00	2.07	2.14
Other Africa	0.64	0.59	0.65	0.64	0.69	0.73	0.75	0.77	0.80	0.82	0.84	0.87	0.89	0.92	0.94	0.97
TOTAL	0.85	0.94	1.12	1.17	1.21	1.26	1.33	1.41	1.48	1.56	1.64	1.73	1.82	1.92	2.02	2.12

TABLE -- 30

OTHER OILSEEDS
PRODUCTION

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(mil metric tons)												
USA	6	9	8	8	10	10	11	11	12	12	12	13	13	14	14	15
Canada	1	3	4	4	6	7	9	10	11	11	12	12	13	14	14	15
Mexico	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Brazil	1	2	2	1	1	2	1	1	1	1	1	0	0	0	0	0
Argentina	2	2	4	5	7	5	5	6	6	7	7	8	9	10	10	11
Other Latin America	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
W Europe	3	4	8	11	12	14	16	17	19	22	24	27	30	34	37	42
Central Europe	3	3	4	4	4	5	6	7	8	9	11	12	13	15	16	18
FSU-15	10	10	10	12	9	10	12	13	14	15	16	18	19	21	22	24
Japan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taiwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Korea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
China	8	13	21	23	29	35	39	44	49	54	58	64	69	75	81	88
India	10	11	13	18	21	17	18	19	20	21	23	24	25	26	28	29
Indonesia	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
Malaysia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Asia, COE	4	4	6	7	7	8	9	10	11	12	13	15	17	18	20	22
Australia	0	0	1	1	1	3	5	5	6	6	6	6	7	7	7	8
South Africa	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
North Africa & Middle East	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Other Africa	6	5	5	5	7	8	9	9	10	11	12	13	14	15	16	17
TOTAL	58	71	89	104	120	129	144	158	172	186	201	218	235	254	274	296

TABLE -- 31

OTHER OILSEEDS AREA	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA (harvested area)	7.59	-5.95	1.94	4.28	0.37	**0.50**	**0.25**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.00**	**0.00**
Canada	13.47	3.43	0.33	10.77	-0.32	**4.00**	**1.75**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Mexico	1.34	-7.94	1.39	0.58	-7.90	-3.50	-3.52	-3.98	-4.14	-3.90	-3.95	-3.97	-3.97	-3.96	-3.96
Brazil	-0.09	1.12	-3.54	-10.60	-3.03	-4.99	-5.38	-5.32	-5.04	-5.19	-5.19	-5.17	-5.17	-5.17	-5.17
Argentina	2.51	5.51	2.91	3.49	-5.06	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Other Latin America	-3.34	0.04	2.49	-8.04	-3.71	**-3.00**	**-3.00**	**-3.00**	**-3.00**	**-3.00**	**-3.00**	**-3.00**	**-3.00**	**-3.00**	**-3.00**
W Europe	4.83	12.43	6.00	2.27	-0.11	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**
Central Europe	1.75	3.16	0.19	5.78	3.56	**2.20**	**2.20**	**2.00**	**2.00**	**2.00**	**2.00**	**1.00**	**1.00**	**1.00**	**1.00**
FSU-15	0.33	-0.09	1.81	2.18	3.99	**2.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**0.80**	**0.80**	**0.80**	**0.80**
Japan	-4.86	-4.32	-7.68	-5.48	-2.44	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Taiwan	-4.53	-0.51	-6.80	-0.74	2.19	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
South Korea	-5.93	-10.54	-0.37	-9.38	-3.23	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
China	4.35	4.78	1.02	1.44	1.58	**1.10**	**1.20**	**1.00**	**0.50**	**0.50**	**0.50**	**0.50**	**0.40**	**0.40**	**0.40**
India	1.71	-0.06	4.32	1.12	-0.68	**0.10**	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Indonesia	1.12	1.28	3.35	2.16	-0.78	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**	**1.20**
Malaysia	0.00	0.00	0.00	0.00	-14.97	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Other Asia, COE	0.91	2.86	0.60	0.75	1.26	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**
Australia	8.08	9.06	-1.87	11.25	20.10	**10.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
South Africa	5.87	-1.45	2.12	-0.47	-0.77	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
North Africa & Middle East	-3.89	-0.20	2.38	-0.35	-2.42	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Other Africa	-2.56	-1.85	1.28	4.03	1.68	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**
TOTAL	2.02	1.09	2.20	2.13	0.80	1.16	0.72	0.60	0.53	0.55	0.57	0.52	0.51	0.51	0.53

TABLE -- 32

OTHER OILSEEDS YIELD	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
		(annual percentage change)													
USA	1.47	3.01	0.09	0.19	-0.86	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Canada	2.79	1.37	-0.16	0.99	1.82	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Mexico	0.41	3.47	-2.90	-2.76	2.46	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Brazil	3.51	0.41	-0.74	3.28	16.50	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Argentina	3.41	6.73	0.34	3.66	-0.50	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Other Latin America	0.56	-0.68	-0.17	0.75	-4.26	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
W Europe	2.02	3.81	2.17	-1.28	3.31	**1.2**	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Central Europe	1.15	3.05	0.10	-4.15	-0.67	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
FSU-15	-1.24	0.41	1.00	-6.57	-1.74	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Japan	0.61	-0.04	1.43	1.96	0.28	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Taiwan	2.42	0.18	3.77	2.92	-5.98	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
South Korea	11.26	5.18	0.35	1.99	-8.09	**0.6**	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
China	6.19	6.02	0.02	3.59	2.36	**1.2**	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
India	0.74	2.50	2.93	2.00	-3.08	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indonesia	2.98	-1.32	-0.16	0.94	-0.12	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Malaysia	0.00	0.00	0.93	0.45	1.30	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Other Asia, COE	2.55	3.76	2.83	-1.21	1.51	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Australia	7.27	3.97	6.50	-3.10	-0.82	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
South Africa	-1.04	-2.38	0.07	3.22	5.16	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
North Africa & Middle East	3.78	0.29	-2.23	2.61	1.70	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Other Africa	-1.40	1.84	-0.28	1.33	1.31	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
TOTAL	2.03	3.65	0.92	0.71	0.77	1.08	1.10	1.07	1.03	1.03	1.03	1.03	1.02	1.02	1.03

TABLE -- 33

COARSE GRAINS AREA

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(mil hectares)												
USA (harvested area)	42	42	43	37	36	35	36	36	36	37	37	38	38	39	39	39
Canada	8	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6
Mexico	9	9	8	8	10	10	10	10	11	11	11	11	11	11	11	12
Brazil	11	13	14	14	14	14	17	21	24	26	27	29	31	32	32	31
Argentia	6	6	5	3	4	4	4	5	5	6	7	7	7	7	7	7
Other Latin America	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7
W Europe	24	24	23	20	17	17	17	16	15	15	14	13	13	12	12	12
Central Europe	13	13	12	11	11	10	11	10	10	9	9	8	8	8	7	7
FSU-15	50	51	50	44	39	28	28	28	29	29	30	30	31	31	31	32
Japan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taiwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Korea	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
China	31	29	26	27	28	28	27	29	30	30	31	32	32	33	34	35
India	43	42	39	36	33	29	27	26	24	23	21	20	19	18	18	17
Indonesia	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Malaysia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Asia, COE	13	14	15	15	13	13	13	13	13	13	13	13	13	13	13	13
Australia	4	4	5	4	5	4	4	4	4	4	4	4	4	4	4	4
South Africa	5	5	6	5	5	4	4	4	4	4	4	4	3	3	3	3
North Africa & Middle East	10	10	11	12	12	9	10	11	12	12	13	13	14	14	14	15
Other Africa	41	47	46	49	62	63	68	73	78	84	90	97	104	112	120	129
TOTAL	319	327	320	303	306	285	293	304	312	320	328	336	346	354	363	370

TABLE -- 34

COARSE GRAINS YIELD

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(metric tons per hectare)												
USA	4.20	5.42	5.87	6.08	6.95	7.63	8.24	8.88	9.56	10.29	11.07	11.91	12.81	13.78	14.79	15.88
Canada	2.29	2.81	3.07	3.25	3.51	3.50	3.73	3.98	4.25	4.55	4.87	5.21	5.58	5.99	6.43	6.90
Mexico	1.33	1.52	1.88	2.11	2.35	2.60	2.83	3.07	3.33	3.61	3.92	4.26	4.62	5.02	5.45	5.93
Brazil	1.59	1.73	1.73	1.93	2.49	2.71	2.92	3.15	3.39	3.65	3.92	4.21	4.52	4.85	5.20	5.55
Argentia	2.41	2.85	3.08	3.27	3.91	4.85	5.36	5.90	6.47	7.09	7.76	8.42	9.14	9.92	10.76	11.68
Other Latin America	1.22	1.47	1.67	1.74	1.84	1.85	1.98	2.12	2.28	2.44	2.62	2.82	3.02	3.25	3.49	3.75
W Europe	3.30	3.73	4.36	4.57	4.93	5.56	6.02	6.53	7.09	7.71	8.40	9.17	10.02	10.96	11.95	13.04
Central Europe	3.21	3.58	4.10	3.83	3.20	3.24	3.62	3.85	4.10	4.37	4.65	4.95	5.27	5.61	5.97	6.36
FSU-15	1.46	1.21	1.55	1.70	1.42	1.49	1.77	1.84	1.91	1.98	2.06	2.14	2.21	2.30	2.38	2.47
Japan	2.69	3.21	3.28	3.07	3.70	3.86	4.04	4.23	4.42	4.63	4.85	5.07	5.31	5.56	5.82	6.09
Taiwan	2.61	2.75	3.75	4.78	4.66	4.47	4.66	4.85	5.05	5.27	5.49	5.72	5.96	6.22	6.49	6.77
South Korea	2.09	2.65	2.59	3.79	4.04	3.87	4.01	4.17	4.32	4.48	4.65	4.83	5.01	5.20	5.39	5.59
China	2.19	2.68	3.29	3.89	4.60	4.47	4.95	5.51	6.12	6.78	7.52	8.34	9.24	10.24	11.34	12.56
India	0.66	0.70	0.71	0.86	0.96	1.06	1.15	1.25	1.36	1.49	1.64	1.81	1.99	2.21	2.45	2.73
Indonesia	1.18	1.46	1.71	1.86	1.74	1.97	2.12	2.29	2.47	2.66	2.87	3.09	3.33	3.60	3.88	4.18
Malaysia	1.92	1.43	1.67	1.76	1.89	2.18	2.39	2.61	2.86	3.12	3.42	3.74	4.09	4.48	4.90	5.36
Other Asia, COE	1.40	1.54	1.72	1.76	1.91	2.00	2.14	2.28	2.43	2.60	2.78	2.97	3.18	3.40	3.64	3.90
Australia	1.36	1.36	1.55	1.75	1.73	2.09	2.22	2.35	2.50	2.65	2.81	2.98	3.16	3.35	3.55	3.76
South Africa	1.69	2.35	1.61	1.51	1.90	2.10	2.19	2.30	2.41	2.52	2.63	2.75	2.88	3.00	3.14	3.27
North Africa & Middle East	1.22	1.10	1.25	1.37	1.71	1.54	1.58	1.62	1.73	1.84	1.95	2.09	2.25	2.41	2.58	2.77
Other Africa	0.80	0.78	0.85	0.91	0.93	0.90	0.93	0.95	0.98	1.00	1.03	1.06	1.09	1.12	1.16	1.19
TOTAL	1.93	2.17	2.45	2.54	2.70	2.92	3.15	3.36	3.59	3.83	4.08	4.35	4.63	4.93	5.21	5.51

TABLE -- 35

COARSE GRAINS PRODUCTION

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(mil metric tons)												
USA	177	227	254	223	253	266	295	320	348	379	414	451	492	537	573	612
Canada	17	20	22	22	24	24	25	27	28	30	32	34	37	39	42	45
Mexico	12	14	15	17	24	25	29	32	35	39	43	48	52	57	63	69
Brazil	18	22	23	27	36	37	50	67	80	94	104	121	139	154	168	173
Argentina	14	17	16	11	16	20	24	29	35	44	54	58	63	67	73	78
Other Latin America	7	9	10	11	11	11	12	13	14	16	17	18	20	22	24	26
W Europe	78	91	100	93	86	97	100	103	107	112	117	123	130	137	143	150
Central Europe	43	48	50	44	35	33	38	40	40	41	41	42	43	43	44	45
FSU-15	74	62	77	75	56	41	49	52	55	58	62	65	68	71	75	78
Japan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taiwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Korea	2	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1
China	68	79	87	106	127	124	135	161	182	206	233	263	298	338	384	436
India	28	29	28	31	31	31	31	32	33	34	35	37	39	41	43	46
Indonesia	3	4	5	5	6	6	6	7	8	8	9	10	11	12	13	14
Malaysia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Asia, COE	18	22	26	26	26	27	28	30	32	34	36	38	41	44	46	49
Australia	5	6	8	7	8	9	10	10	11	12	12	13	14	15	16	17
South Africa	9	12	9	8	9	9	9	9	9	10	10	10	10	10	10	10
North Africa & Middle East	12	12	14	17	20	14	16	19	21	23	25	28	31	34	37	40
Other Africa	33	36	39	44	58	57	63	69	77	84	93	103	114	125	139	153
TOTAL	618	711	785	769	826	832	922	1,021	1,118	1,225	1,339	1,463	1,600	1,746	1,892	2,043

TABLE -- 36

COARSE GRAINS AREA	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA (harvested area)	-0.01	0.68	-3.24	-0.29	-0.77	0.53	0.13	0.23	0.24	0.26	0.27	0.28	0.29	-0.10	-0.10
Canada	-1.27	-0.16	-0.98	0.47	-0.26	-0.15	-0.13	-0.11	-0.14	-0.11	-0.10	-0.09	-0.08	-0.07	-0.05
Mexico	0.22	-3.65	0.94	4.10	-0.61	0.87	0.47	0.48	0.48	0.24	0.24	0.25	0.14	0.14	0.14
Brazil	2.33	1.02	0.25	1.13	-1.11	4.45	4.43	2.22	1.80	0.60	1.56	1.33	0.63	0.37	-0.72
Argentia	-0.52	-1.33	-8.46	3.03	0.77	1.55	1.94	2.24	2.40	2.50	-0.18	-0.16	-0.15	-0.14	-0.13
Other Latin America	0.13	-0.21	1.10	-0.32	0.16	0.19	0.20	0.20	0.23	0.24	0.25	0.26	0.28	0.29	0.30
W Europe	0.61	-1.15	-2.30	-3.20	0.08	-1.02	-0.91	-0.88	-0.84	-0.81	-0.77	-0.73	-0.69	-0.82	-0.80
Central Europe	0.17	-1.95	-1.02	-1.20	-1.29	0.98	-0.74	-0.94	-0.94	-0.94	-0.94	-0.94	-0.94	-0.94	-0.93
FSU-15	0.38	-0.77	-2.18	-2.40	-6.79	0.09	0.37	0.37	0.37	0.37	0.23	0.23	0.23	0.23	0.23
Japan	4.80	-1.53	-1.41	-10.52	-2.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Taiwan	-4.36	13.49	4.89	-7.16	-23.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Korea	-11.34	-5.78	-8.53	-9.14	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
China	-1.09	-2.10	0.62	0.22	0.16	-0.25	1.33	0.35	0.37	0.40	0.42	0.44	0.46	0.48	0.49
India	-0.65	-1.12	-1.83	-1.93	-2.42	-1.20	-1.25	-1.20	-1.15	-1.10	-1.05	-1.00	-0.94	-0.89	-0.83
Indonesia	2.82	0.69	-0.65	4.58	-2.82	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Malaysia	14.87	1.39	5.57	2.88	3.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asia, COE	1.63	1.88	-1.06	-1.50	-0.13	-0.12	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11
Australia	3.65	2.40	-3.51	2.76	-1.79	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
South Africa	-1.01	1.98	-2.38	-1.32	-1.43	-0.79	-0.78	-0.78	-0.77	-0.76	-0.75	-0.74	-0.73	-0.72	-0.71
North Africa & Middle East	1.45	1.56	1.71	-0.94	-5.55	2.57	2.62	0.89	0.89	0.90	0.45	0.45	0.45	0.45	0.45
Other Africa	2.66	-0.19	1.26	4.82	0.37	1.43	1.43	1.43	1.43	1.43	1.43	1.44	1.44	1.44	1.44
TOTAL	0.48	-0.42	-1.11	0.20	-1.43	0.58	0.73	0.51	0.53	0.48	0.51	0.54	0.51	0.47	0.41

TABLE -- 37

COARSE GRAINS YIELD	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA	5.22	1.60	0.70	2.73	1.86	1.55	1.53	1.48	1.48	1.47	1.47	1.47	1.46	1.43	1.43
Canada	4.17	1.84	1.14	1.52	-0.06	1.29	1.31	1.33	1.35	1.36	1.38	1.39	1.41	1.42	1.44
Mexico	2.61	4.33	2.40	2.11	2.10	1.68	1.64	1.64	1.64	1.65	1.66	1.67	1.67	1.67	1.67
Brazil	1.79	-0.08	2.26	5.18	1.76	1.51	1.52	1.48	1.47	1.44	1.45	1.44	1.41	1.39	1.31
Argentia	3.45	1.55	1.20	3.63	4.43	2.01	1.93	1.87	1.84	1.82	1.65	1.65	1.65	1.65	1.65
Other Latin America	3.84	2.52	0.88	1.04	0.12	1.39	1.40	1.42	1.42	1.43	1.43	1.44	1.44	1.45	1.45
W Europe	2.52	3.16	0.92	1.55	2.41	1.62	1.63	1.67	1.70	1.73	1.76	1.79	1.81	1.74	1.76
Central Europe	2.19	2.76	-1.35	-3.51	0.22	2.23	1.28	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
FSU-15	-3.78	5.21	1.82	-3.53	0.89	3.60	0.75	0.75	0.75	0.75	0.73	0.73	0.73	0.73	0.74
Japan	3.63	0.41	-1.31	3.78	0.85	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Taiwan	1.05	6.43	4.95	-0.52	-0.80	0.81	0.82	0.82	0.82	0.83	0.83	0.84	0.84	0.85	0.85
South Korea	4.85	-0.50	7.96	1.26	-0.85	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
China	4.10	4.17	3.40	3.41	-0.58	2.08	2.17	2.10	2.10	2.09	2.08	2.08	2.07	2.06	2.06
India	1.09	0.31	3.99	2.23	2.00	1.65	1.66	1.74	1.81	1.88	1.95	2.01	2.06	2.11	2.15
Indonesia	4.30	3.23	1.65	-1.24	2.44	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52
Malaysia	-5.71	3.13	1.13	1.40	2.91	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81
Other Asia, COE	1.91	2.13	0.52	1.61	0.97	1.30	1.31	1.32	1.33	1.34	1.35	1.36	1.37	1.37	1.38
Australia	0.02	2.75	2.38	-0.22	3.89	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
South Africa	6.87	-7.29	-1.33	4.73	2.01	0.93	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85
North Africa & Middle East	-2.01	2.50	1.81	4.52	-2.07	0.54	0.58	1.25	1.24	1.24	1.41	1.41	1.41	1.41	1.41
Other Africa	-0.40	1.70	1.28	0.45	-0.52	0.51	0.52	0.53	0.54	0.55	0.56	0.56	0.57	0.58	0.59
TOTAL	2.36	2.43	0.72	1.21	1.60	1.50	1.32	1.30	1.31	1.31	1.27	1.26	1.25	1.14	1.12

TABLE -- 38

OILSEEDS AREA

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(mil hectares)												
USA (harvested area)	26	35	31	30	33	37	38	39	39	40	41	42	42	43	44	45
Canada	1	3	3	3	6	6	7	8	8	8	8	8	8	8	8	8
Mexico	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Brazil	9	11	12	12	13	15	16	19	23	26	29	32	33	35	36	38
Argentina	2	4	6	8	10	13	14	16	18	20	23	24	25	25	25	25
Other Latin America	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
W Europe	2	2	4	6	6	6	6	7	7	7	8	8	9	9	9	10
Central Europe	2	2	3	2	3	3	4	4	5	5	6	6	6	7	7	7
FSU-15	8	8	8	9	10	11	13	13	14	15	15	16	17	18	18	19
Japan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taiwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Korea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
China	16	19	22	23	25	26	28	30	31	32	33	34	36	37	38	39
India	18	20	21	27	30	30	31	31	32	32	32	32	33	33	33	33
Indonesia	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
Malaysia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Asia, COE	6	6	7	7	7	8	8	8	9	9	10	10	11	11	12	12
Australia	0	0	1	1	1	2	3	3	3	3	3	3	3	3	3	3
South Africa	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
North Africa & Middle East	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Other Africa	10	9	8	9	10	11	12	12	13	14	15	15	16	17	18	19
TOTAL	107	126	132	145	161	177	188	198	209	219	230	238	245	253	260	267

TABLE -- 39

OILSEEDS YIELD

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(metric tons per hectare)												
USA	1.62	1.81	1.99	2.06	2.28	2.29	2.45	2.63	2.82	3.03	3.26	3.50	3.76	4.05	4.36	4.69
Canada	1.12	1.30	1.40	1.44	1.52	1.62	1.68	1.76	1.85	1.95	2.05	2.16	2.27	2.38	2.50	2.63
Mexico	1.59	1.63	1.80	1.82	1.43	1.48	1.51	1.54	1.57	1.62	1.67	1.72	1.79	1.86	1.94	2.03
Brazil	1.42	1.47	1.51	1.60	2.11	2.58	2.82	3.09	3.38	3.69	4.02	4.38	4.78	5.20	5.66	6.17
Argentina	1.00	1.43	1.74	1.92	1.87	2.32	2.52	2.75	2.99	3.26	3.56	3.86	4.19	4.54	4.91	5.31
Other Latin America	1.05	1.14	1.20	1.25	1.72	1.92	2.14	2.37	2.62	2.87	3.14	3.43	3.73	4.06	4.41	4.78
W Europe	1.49	1.65	2.02	2.30	2.13	2.48	2.62	2.78	2.95	3.12	3.31	3.51	3.72	3.95	4.18	4.44
Central Europe	1.59	1.61	1.87	1.85	1.61	1.57	1.65	1.72	1.80	1.88	1.97	2.06	2.15	2.25	2.35	2.46
FSU-15	1.33	1.24	1.29	1.38	0.99	0.92	0.95	0.99	1.03	1.06	1.10	1.14	1.19	1.23	1.28	1.32
Japan	1.53	1.47	1.77	1.61	1.80	1.84	1.93	2.03	2.13	2.24	2.35	2.47	2.59	2.73	2.86	3.01
Taiwan	1.48	1.61	1.65	1.96	2.23	1.68										
South Korea	1.14	1.30	1.54	1.65	1.58	1.36	1.40	1.44	1.48	1.53	1.57	1.62	1.67	1.71	1.77	1.82
China	0.90	1.10	1.43	1.44	1.74	1.90	2.03	2.17	2.32	2.48	2.65	2.83	3.03	3.24	3.47	3.71
India	0.55	0.58	0.65	0.76	0.83	0.75	0.80	0.85	0.90	0.96	1.02	1.09	1.16	1.23	1.32	1.40
Indonesia	1.01	1.14	1.14	1.21	1.29	1.32										
Malaysia	2.33	2.33	2.33	2.44	2.50	2.67										
Other Asia, COE	0.74	0.85	1.02	1.16	1.10	1.17	1.23	1.30	1.36	1.44	1.51	1.59	1.68	1.77	1.86	1.96
Australia	0.89	1.17	1.37	1.82	1.58	1.51	1.57	1.64	1.71	1.79	1.87	1.95	2.03	2.12	2.21	2.31
South Africa	1.02	0.97	0.88	0.90	1.02	1.33	1.40	1.47	1.55	1.63	1.72	1.81	1.90	2.00	2.11	2.22
North Africa & Middle East	1.13	1.43	1.45	1.29	1.42	1.52	1.57	1.62	1.67	1.72	1.78	1.84	1.90	1.96	2.03	2.09
Other Africa	0.64	0.60	0.66	0.65	0.70	0.75	0.77	0.80	0.83	0.85	0.88	0.92	0.95	0.98	1.02	1.06
TOTAL	1.10	1.25	1.40	1.45	1.56	1.69	1.81	1.96	2.12	2.30	2.49	2.69	2.89	3.11	3.34	3.59

TABLE -- 40

OILSEEDS PRODUCTION

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				(mil metric tons)												
USA	42	64	61	61	74	86	92	101	111	121	133	145	159	175	191	210
Canada	2	3	5	5	9	10	12	13	14	15	16	17	17	18	19	20
Mexico	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
Brazil	13	16	18	20	27	39	46	60	77	97	117	139	156	181	206	236
Argentina	3	6	11	16	19	30	36	44	54	66	80	91	103	115	125	135
Other Latin America	2	2	2	3	4	5	6	7	8	9	10	11	12	14	15	17
W Europe	3	4	8	13	13	15	17	19	21	23	26	28	32	35	39	44
Central Europe	3	4	5	5	5	5	6	7	8	10	11	13	14	15	17	18
FSU-15	11	10	11	12	10	11	12	13	14	16	17	19	20	22	23	25
Japan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Taiwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Korea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
China	15	21	32	33	43	50	56	65	72	80	88	97	108	118	130	144
India	10	12	14	20	25	23	25	27	28	31	33	35	38	41	44	47
Indonesia	1	1	2	2	3	2	2	3	3	3	3	4	4	4	5	5
Malaysia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Asia, COE	4	5	7	8	8	9	10	11	12	13	15	16	18	20	22	24
Australia	0	0	1	1	1	3	5	6	6	6	6	7	7	7	7	8
South Africa	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2
North Africa & Middle East	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Other Africa	6	5	5	6	7	8	9	10	11	12	13	14	15	17	18	20
TOTAL	118	157	185	210	251	300	340	389	444	505	572	641	708	786	867	958

TABLE -- 41

OILSEEDS AREA	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA (harvested area)	6.15	-2.70	-0.69	1.96	2.68	0.18	0.41	0.38	0.38	0.38	0.38	0.38	0.38	0.36	0.36
Canada	13.29	3.87	1.13	10.51	0.40	3.50	1.63	0.15	0.08	0.08	0.08	0.00	0.00	0.00	0.00
Mexico	2.40	-2.71	0.88	-6.63	-9.41	-2.49	-2.37	-2.51	-2.41	-2.07	-1.90	-1.72	-1.52	-1.33	-1.16
Brazil	4.28	2.24	0.50	0.43	3.75	1.60	3.24	3.37	2.86	2.17	1.70	0.57	1.22	0.98	0.99
Argentina	11.02	8.63	5.46	3.96	5.21	2.21	2.22	2.26	2.30	2.33	0.92	0.92	0.49	0.07	0.07
Other Latin America	0.83	2.09	6.55	-0.20	0.49	0.94	0.90	0.83	0.62	0.36	0.43	0.49	0.26	0.29	0.33
W Europe	4.84	13.12	7.53	1.14	0.02	0.94	0.94	0.95	0.95	0.95	0.95	0.96	0.96	0.96	0.96
Central Europe	3.64	2.74	-0.72	3.25	3.82	2.06	2.07	1.90	1.91	1.91	1.92	0.96	0.97	0.97	0.97
FSU-15	0.42	-0.32	1.81	1.46	3.59	1.97	1.01	1.01	1.01	1.01	0.99	0.80	0.80	0.80	0.80
Japan	5.72	-1.41	0.20	-12.46	9.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Taiwan	-8.99	-1.28	-7.64	-0.33	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Korea	-5.86	-5.08	-2.03	-5.77	-4.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
China	3.14	3.25	0.47	1.58	1.34	1.07	1.38	0.97	0.63	0.63	0.64	0.64	0.58	0.58	0.58
India	2.13	0.76	5.10	2.38	0.24	0.48	0.25	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16
Indonesia	1.06	3.73	6.18	0.39	-3.61	0.49	0.51	0.53	0.55	0.56	0.58	0.60	0.62	0.63	0.65
Malaysia	0.00	0.00	0.00	0.00	-14.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asia, COE	0.63	3.32	1.14	0.31	0.97	0.90	0.90	0.91	0.91	0.92	0.92	0.92	0.93	0.93	0.93
Australia	7.71	8.90	-2.66	10.29	19.84	9.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Africa	5.67	-1.21	3.19	-0.52	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
North Africa & Middle East	-3.08	-0.08	2.26	-0.11	-2.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Africa	-2.48	-1.90	1.41	4.24	1.48	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.03	1.03
TOTAL	3.34	0.97	1.84	2.12	1.98	1.16	1.12	1.03	0.97	0.93	0.75	0.58	0.61	0.54	0.55

TABLE -- 42

OILSEEDS YIELD	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
		(annual percentage change)													
USA	2.15	2.01	0.69	1.98	0.12	1.35	1.41	1.44	1.44	1.45	1.45	1.46	1.46	1.48	1.49
Canada	3.03	1.48	0.47	1.07	1.34	0.73	0.92	1.06	1.02	1.02	1.02	0.98	0.98	0.98	0.98
Mexico	0.38	2.03	0.29	-4.72	0.70	0.36	0.39	0.46	0.54	0.61	0.68	0.75	0.81	0.86	0.89
Brazil	0.67	0.48	1.17	5.69	4.10	1.84	1.83	1.80	1.76	1.74	1.73	1.72	1.72	1.72	1.72
Argentina	7.41	3.99	1.97	-0.52	4.36	1.69	1.74	1.74	1.75	1.74	1.64	1.64	1.61	1.58	1.58
Other Latin America	1.64	1.13	0.68	6.70	2.17	2.20	2.09	1.98	1.88	1.80	1.77	1.73	1.69	1.67	1.65
W Europe	2.00	4.18	2.67	-1.54	3.06	1.16	1.16	1.17	1.17	1.17	1.17	1.18	1.18	1.18	1.18
Central Europe	0.20	3.04	-0.22	-2.71	-0.50	0.96	0.88	0.89	0.89	0.89	0.89	0.90	0.90	0.90	0.90
FSU-15	-1.38	0.73	1.41	-6.53	-1.37	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Japan	-0.86	3.73	-1.80	2.23	0.45	0.98	0.98	0.98	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Taiwan	1.78	0.44	3.51	2.58	-5.45										
South Korea	2.76	3.41	1.41	-0.88	-2.96	0.59	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
China	4.05	5.48	0.06	3.94	1.70	1.34	1.33	1.34	1.34	1.34	1.35	1.36	1.36	1.37	1.38
India	0.89	2.41	3.15	1.78	-2.08	1.27	1.25	1.23	1.24	1.25	1.26	1.27	1.29	1.30	1.31
Indonesia	2.45	-0.04	1.08	1.39	0.49										
Malaysia	0.00	0.00	0.93	0.45	1.30										
Other Asia, COE	2.81	3.86	2.61	-1.11	1.24	1.03	1.03	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Australia	5.69	3.22	5.83	-2.77	-0.87	0.79	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
South Africa	-0.82	-2.00	0.50	2.55	5.36	1.02	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
North Africa & Middle East	4.84	0.23	-2.30	2.02	1.32	0.63	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.65	0.65
Other Africa	-1.24	1.98	-0.14	1.35	1.39	0.65	0.65	0.66	0.67	0.68	0.70	0.71	0.72	0.74	0.76
TOTAL	2.57	2.31	0.71	1.48	1.60	1.35	1.58	1.63	1.63	1.61	1.51	1.44	1.48	1.44	1.45

TABLE -- 43

POPULATION

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
			Million													
USA	218	230	241	253	266	278	290	303	315	328	341	354	367	380	393	407
CANADA	24	25	26	28	30	32	33	35	36	37	38	39	40	41	41	42
MEXICO	62	70	78	86	94	102	109	116	123	129	135	140	145	148	151	154
BRAZIL	112	126	140	153	165	174	182	188	193	198	201	204	206	207	207	207
ARGENTINA	26	29	31	33	35	37	39	41	43	45	46	47	48	49	50	50
OTHER LATIN AMERICA	131	145	161	178	196	213	230	247	263	279	294	307	320	331	340	349
W EUROPE	362	368	371	379	386	392	396	398	399	398	396	392	387	379	371	361
CENTRAL EUROPE	113	117	120	122	121	121	121	120	119	118	116	114	112	109	106	103
FSU-15	257	268	281	291	292	290	290	293	297	299	300	301	302	302	301	299
JAPAN	113	118	121	124	126	127	127	127	125	123	120	116	112	108	104	100
TAIWAN	16	18	20	20	21	22	23	24	25	25	25	26	26	25	25	24
SOUTH KOREA	36	39	41	43	46	48	50	51	52	53	54	54	54	53	52	51
CHINA	932	998	1071	1153	1216	1273	1325	1367	1405	1441	1469	1486	1493	1491	1482	1467
INDIA	636	705	785	867	949	1030	1108	1183	1256	1325	1390	1448	1502	1549	1591	1627
INDONESIA	78	78	78	80	82	83	84	85	85	86	85	85	84	83	81	79
MALAYSIA	13	14	16	18	20	22	24	27	29	31	34	36	38	40	42	43
OTHER ASIA, COE	448	502	560	620	682	744	805	864	920	974	1023	1069	1110	1146	1177	1202
AUSTRALIA	18	19	21	22	24	26	27	29	30	32	33	34	35	36	37	37
SOUTH AFRICA	26	30	34	39	42	44	43	41	38	36	35	34	33	32	32	33
N AFRICA & MIDDLE EAST	163	191	225	259	290	321	353	388	425	461	496	530	563	596	627	656
OTHER AFRICA	314	362	420	486	556	632	710	790	872	960	1053	1151	1253	1362	1476	1594
TOTAL	4097	4454	4840	5254	5640	6011	6371	6715	7052	7377	7683	7967	8228	8467	8685	8884

TABLE -- 44

POPULATION	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
		(annual percentage change)													
USA	1.07	0.91	0.98	1.00	0.93	0.87	0.82	0.81	0.79	0.78	0.77	0.73	0.70	0.68	0.67
CANADA	1.15	1.05	1.42	1.26	1.06	0.94	0.85	0.79	0.72	0.61	0.47	0.36	0.28	0.23	0.22
MEXICO	2.41	2.11	1.97	1.80	1.61	1.42	1.26	1.12	0.99	0.87	0.76	0.63	0.51	0.40	0.29
BRAZIL	2.45	2.15	1.84	1.48	1.10	0.82	0.68	0.56	0.45	0.36	0.27	0.18	0.10	0.03	-0.04
ARGENTINA	1.64	1.46	1.40	1.27	1.19	1.10	0.98	0.85	0.72	0.62	0.52	0.42	0.33	0.23	0.14
OTHER LATIN AMERICA	2.11	2.11	2.06	1.92	1.71	1.53	1.39	1.28	1.17	1.05	0.92	0.79	0.68	0.58	0.49
W EUROPE	0.31	0.19	0.41	0.38	0.27	0.20	0.11	0.04	-0.03	-0.10	-0.19	-0.28	-0.38	-0.46	-0.54
CENTRAL EUROPE	0.72	0.49	0.23	-0.12	-0.02	-0.05	-0.08	-0.13	-0.21	-0.29	-0.37	-0.44	-0.51	-0.55	-0.60
FSU-15	0.87	0.91	0.70	0.11	-0.12	0.00	0.18	0.25	0.15	0.06	0.07	0.07	0.02	-0.07	-0.13
JAPAN	0.85	0.64	0.41	0.26	0.19	0.11	-0.06	-0.26	-0.42	-0.53	-0.60	-0.66	-0.70	-0.73	-0.78
TAIWAN	2.01	1.47	0.94	0.93	0.84	0.77	0.66	0.50	0.35	0.23	0.13	0.01	-0.14	-0.29	-0.39
SOUTH KOREA	1.55	1.25	0.99	1.06	0.97	0.80	0.60	0.40	0.26	0.18	0.08	-0.06	-0.23	-0.36	-0.44
CHINA	1.38	1.42	1.49	1.07	0.92	0.80	0.63	0.55	0.51	0.38	0.23	0.10	-0.03	-0.12	-0.19
INDIA	2.11	2.15	2.02	1.83	1.65	1.47	1.32	1.20	1.08	0.95	0.83	0.72	0.62	0.53	0.45
INDONESIA	-0.01	-0.16	0.58	0.47	0.28	0.24	0.17	0.12	0.06	-0.04	-0.12	-0.20	-0.30	-0.38	-0.46
MALAYSIA	2.35	2.48	2.36	2.28	2.09	1.87	1.75	1.66	1.57	1.44	1.29	1.14	1.02	0.93	0.85
OTHER ASIA, COE	2.32	2.19	2.06	1.95	1.74	1.59	1.42	1.28	1.14	1.00	0.87	0.76	0.64	0.53	0.42
AUSTRALIA	1.59	1.63	1.64	1.47	1.36	1.22	1.10	0.99	0.90	0.79	0.66	0.55	0.45	0.36	0.29
SOUTH AFRICA	2.56	2.74	2.54	1.51	0.73	-0.31	-1.09	-1.16	-1.02	-0.88	-0.71	-0.51	-0.27	-0.01	0.19
N AFRICA & MIDDLE EAST	3.28	3.34	2.78	2.32	2.05	1.93	1.92	1.80	1.65	1.48	1.34	1.23	1.13	1.02	0.91
OTHER AFRICA	2.89	2.97	2.97	2.75	2.60	2.36	2.14	2.02	1.94	1.86	1.79	1.73	1.67	1.62	1.56
TOTAL	1.68	1.68	1.65	1.43	1.28	1.17	1.06	0.98	0.91	0.81	0.73	0.65	0.57	0.51	0.45

TABLE -- 45

ALL GRAIN USE

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				MT per capita												
USA	0.6781	0.7743	0.8498	0.8440	0.8815	0.9133	0.9557	1.0006	1.0481	1.0985	1.1520	1.2087	1.2690	1.3330	1.4010	1.4733
CANADA	0.8158	0.8749	0.8700	0.8668	0.9577	0.9996	1.0344	1.0703	1.1075	1.1460	1.1858	1.2271	1.2698	1.3140	1.3597	1.4071
MEXICO	0.2876	0.3266	0.3048	0.3284	0.3728	0.4103	0.4469	0.4901	0.5408	0.6005	0.6708	0.7537	0.8514	0.9666	1.0135	1.0149
BRAZIL	0.2427	0.2799	0.2709	0.2782	0.3245	0.3090	0.3204	0.3325	0.3452	0.3585	0.3725	0.3872	0.4027	0.4191	0.4362	0.4543
ARGENTINA	0.4261	0.3552	0.4100	0.3130	0.3325	0.3676	0.3778	0.3882	0.3989	0.4100	0.4213	0.4330	0.4449	0.4572	0.4699	0.4829
OTHER LATIN AMERICA	0.1450	0.1638	0.1603	0.1570	0.1696	0.1792	0.1880	0.1980	0.2094	0.2225	0.2374	0.2544	0.2737	0.2958	0.3210	0.3498
W EUROPE	0.4398	0.4586	0.4457	0.4093	0.4326	0.4715	0.4998	0.5305	0.5635	0.5993	0.6378	0.6795	0.7246	0.7733	0.8260	0.8830
CENTRAL EUROPE	0.6830	0.7213	0.6964	0.6762	0.5220	0.4924	0.4958	0.5139	0.5329	0.5527	0.5733	0.5949	0.6175	0.6411	0.6658	0.6916
FSU-15	0.6501	0.7098	0.6570	0.6807	0.4489	0.3745	0.4066	0.4201	0.4341	0.4487	0.4640	0.4798	0.4964	0.5137	0.5317	0.5505
JAPAN	0.2725	0.3024	0.3088	0.3005	0.2882	0.2785	0.2785	0.2785	0.2785	0.2785	0.2785	0.2785	0.2785	0.2785	0.2785	0.2785
TAIWAN	0.2870	0.3444	0.3739	0.4062	0.4061	0.3484	0.3605	0.3731	0.3862	0.4000	0.4143	0.4294	0.4451	0.4616	0.4788	0.4968
SOUTH KOREA	0.2614	0.3003	0.3335	0.3636	0.3879	0.3606	0.3770	0.3964	0.4191	0.4456	0.4764	0.5121	0.5531	0.6004	0.6546	0.7168
CHINA	0.2083	0.2503	0.2663	0.2796	0.2980	0.2981	0.2936	0.3096	0.3219	0.3364	0.3549	0.3750	0.3998	0.4302	0.4661	0.5084
INDIA	0.1562	0.1645	0.1687	0.1812	0.1826	0.1785	0.1844	0.1889	0.1911	0.1947	0.1986	0.2039	0.2103	0.2170	0.2256	0.2357
INDONESIA	0.2600	0.3422	0.4262	0.4681	0.5413	0.5633	0.5990	0.6378	0.6802	0.7265	0.7773	0.8334	0.8954	0.9642	1.0409	1.1266
MALAYSIA	0.1734	0.1885	0.2102	0.2162	0.2486	0.2488	0.2628	0.2779	0.2945	0.3125	0.3321	0.3535	0.3769	0.4024	0.4304	0.4610
OTHER ASIA, COE	0.1983	0.2058	0.2105	0.2102	0.2122	0.2209	0.2270	0.2334	0.2401	0.2470	0.2543	0.2618	0.2697	0.2779	0.2866	0.2955
AUSTRALIA	0.2722	0.3626	0.3165	0.3710	0.3980	0.4325	0.4510	0.4703	0.4904	0.5114	0.5333	0.5561	0.5799	0.6047	0.6306	0.6575
SOUTH AFRICA	0.3256	0.3340	0.2835	0.2914	0.2718	0.2645	0.2679	0.2714	0.2750	0.2786	0.2823	0.2860	0.2898	0.2937	0.2976	0.3016
N AFRICA & MIDDLE EAST	0.2656	0.2938	0.3244	0.3221	0.3320	0.3268	0.3253	0.3271	0.3290	0.3309	0.3328	0.3347	0.3367	0.3386	0.3407	0.3427
OTHER AFRICA	0.1272	0.1323	0.1234	0.1270	0.1342	0.1267	0.1265	0.1263	0.1261	0.1259	0.1257	0.1256	0.1255	0.1254	0.1253	0.1252
TOTAL	0.2910	0.3164	0.3167	0.3159	0.3089	0.3051	0.3103	0.3195	0.3281	0.3378	0.3488	0.3609	0.3745	0.3895	0.4048	0.4207
(less CEU and FSU)	0.2764	0.2788	0.2849	0.2849	0.2962	0.2975	0.3018	0.3111	0.3197	0.3294	0.3405	0.3526	0.3663	0.3815	0.3968	0.4128

TABLE -- 46

ALL GRAIN USE	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA	2.69	1.88	-0.14	0.87	0.71	0.91	0.92	0.93	0.94	0.95	0.97	0.98	0.99	1.00	1.01
CANADA	1.41	-0.11	-0.07	2.01	0.86	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
MEXICO	2.58	-1.37	1.51	2.57	1.93	1.73	1.86	1.99	2.12	2.24	2.36	2.47	2.57	0.95	0.03
BRAZIL	2.89	-0.65	0.53	3.13	-0.98	0.73	0.74	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82
ARGENTINA	-3.58	2.91	-5.26	1.22	2.03	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
OTHER LATIN AMERICA	2.46	-0.43	-0.41	1.55	1.10	0.96	1.05	1.13	1.22	1.30	1.39	1.48	1.56	1.65	1.73
W EUROPE	0.84	-0.57	-1.69	1.11	1.73	1.18	1.20	1.22	1.24	1.26	1.27	1.29	1.31	1.33	1.34
CENTRAL EUROPE	1.10	-0.70	-0.59	-5.04	-1.16	0.14	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76
FSU-15	1.77	-1.53	0.71	-7.99	-3.56	1.66	0.65	0.66	0.66	0.67	0.68	0.68	0.69	0.69	0.70
JAPAN	2.10	0.42	-0.54	-0.83	-0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAIWAN	3.72	1.66	1.67	-0.01	-3.02	0.68	0.69	0.70	0.70	0.71	0.72	0.72	0.73	0.74	0.74
SOUTH KOREA	2.81	2.12	1.74	1.30	-1.45	0.89	1.01	1.12	1.23	1.35	1.45	1.56	1.65	1.74	1.83
CHINA	3.74	1.25	0.98	1.28	0.00	-0.30	1.06	0.79	0.88	1.07	1.11	1.29	1.47	1.62	1.75
INDIA	1.04	0.50	1.45	0.15	-0.46	0.65	0.48	0.23	0.38	0.40	0.54	0.61	0.63	0.78	0.88
INDONESIA	5.65	4.49	1.89	2.95	0.80	1.24	1.26	1.29	1.33	1.36	1.40	1.45	1.49	1.54	1.60
MALAYSIA	1.68	2.21	0.57	2.83	0.02	1.10	1.13	1.16	1.19	1.23	1.26	1.29	1.32	1.35	1.38
OTHER ASIA, COE	0.74	0.46	-0.03	0.19	0.80	0.55	0.56	0.57	0.57	0.58	0.59	0.59	0.60	0.61	0.62
AUSTRALIA	5.90	-2.68	3.23	1.42	1.67	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
SOUTH AFRICA	0.51	-3.22	0.55	-1.39	-0.54	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.27
N AFRICA & MIDDLE EAST	2.04	2.00	-0.14	0.61	-0.32	-0.09	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12
OTHER AFRICA	0.79	-1.38	0.59	1.11	-1.15	-0.04	-0.03	-0.03	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
TOTAL	1.69	0.02	-0.05	-0.44	-0.25	0.34	0.59	0.53	0.58	0.64	0.68	0.74	0.79	0.77	0.77
(less CEU and FSU)	0.17	0.44	0.00	0.78	0.09	0.29	0.61	0.54	0.60	0.66	0.70	0.76	0.81	0.79	0.79

TABLE -- 47

ALL FEED USE

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				MT per capita												
USA	0.5074	0.5840	0.6099	0.5710	0.5866	0.5953	0.6124	0.6301	0.6482	0.6668	0.6860	0.7058	0.7261	0.7470	0.7685	0.7906
CANADA	0.6045	0.6503	0.6404	0.6429	0.7369	0.7496	0.7770	0.8054	0.8348	0.8653	0.8969	0.9297	0.9637	0.9989	1.0354	1.0732
MEXICO	0.0691	0.0968	0.0926	0.1130	0.1530	0.1940	0.2293	0.2711	0.3204	0.3787	0.4476	0.5291	0.6253	0.7391	0.7845	0.7845
BRAZIL	0.1160	0.1467	0.1474	0.1563	0.1929	0.1819	0.1922	0.2030	0.2144	0.2264	0.2392	0.2526	0.2668	0.2818	0.2977	0.3144
ARGENTINA	0.2173	0.1892	0.2277	0.1295	0.1527	0.2021	0.2077	0.2135	0.2195	0.2256	0.2319	0.2384	0.2450	0.2519	0.2589	0.2661
OTHER LATIN AMERICA	0.0276	0.0364	0.0395	0.0396	0.0538	0.0616	0.0703	0.0802	0.0916	0.1045	0.1193	0.1362	0.1555	0.1775	0.2026	0.2312
W EUROPE	0.2696	0.2846	0.2763	0.2415	0.2603	0.2933	0.3187	0.3462	0.3761	0.4087	0.4440	0.4824	0.5241	0.5694	0.6186	0.6720
CENTRAL EUROPE	0.4325	0.4703	0.4444	0.4148	0.3163	0.2874	0.2874	0.3021	0.3175	0.3337	0.3507	0.3686	0.3874	0.4071	0.4279	0.4497
FSU-15	0.3900	0.4527	0.4262	0.4482	0.2425	0.1627	0.1912	0.2010	0.2113	0.2221	0.2334	0.2454	0.2580	0.2712	0.2850	0.2996
JAPAN	0.1084	0.1384	0.1469	0.1454	0.1375	0.1285	0.1285	0.1285	0.1285	0.1285	0.1285	0.1285	0.1285	0.1285	0.1285	0.1285
TAIWAN	0.0964	0.1919	0.2228	0.2678	0.2805	0.2299	0.2410	0.2527	0.2649	0.2778	0.2912	0.3054	0.3202	0.3357	0.3520	0.3690
SOUTH KOREA	0.0230	0.0596	0.1105	0.1390	0.1769	0.1597	0.1811	0.2053	0.2328	0.2639	0.2992	0.3392	0.3846	0.4360	0.4943	0.5605
CHINA	0.0176	0.0312	0.0424	0.0520	0.0705	0.0762	0.0848	0.1042	0.1191	0.1353	0.1540	0.1757	0.2012	0.2312	0.2663	0.3073
INDIA	0.0020	0.0028	0.0031	0.0043	0.0052	0.0081	0.0095	0.0108	0.0121	0.0134	0.0149	0.0164	0.0180	0.0197	0.0215	0.0235
INDONESIA	0.0051	0.0074	0.0154	0.0275	0.0510	0.0508	0.0603	0.0716	0.0851	0.1011	0.1200	0.1425	0.1693	0.2011	0.2388	0.2836
MALAYSIA	0.0172	0.0515	0.0770	0.0856	0.1099	0.1077	0.1189	0.1312	0.1449	0.1600	0.1766	0.1950	0.2153	0.2377	0.2625	0.2898
OTHER ASIA, COE	0.0132	0.0191	0.0212	0.0243	0.0259	0.0271	0.0292	0.0314	0.0339	0.0365	0.0393	0.0423	0.0456	0.0491	0.0529	0.0570
AUSTRALIA	0.1479	0.2120	0.1761	0.2022	0.2146	0.2491	0.2598	0.2710	0.2826	0.2948	0.3075	0.3207	0.3345	0.3489	0.3639	0.3796
SOUTH AFRICA	0.1113	0.1346	0.1059	0.1165	0.0983	0.0961	0.0966	0.0971	0.0976	0.0980	0.0985	0.0990	0.0995	0.1000	0.1005	0.1010
N AFRICA & MIDDLE EAST	0.0325	0.0676	0.1114	0.1121	0.1087	0.0975	0.0937	0.0932	0.0927	0.0923	0.0918	0.0914	0.0909	0.0905	0.0900	0.0896
OTHER AFRICA	0.0019	0.0028	0.0033	0.0026	0.0024	0.0025	0.0022	0.0020	0.0018	0.0017	0.0015	0.0014	0.0013	0.0011	0.0010	0.0009
TOTAL	0.1095	0.1249	0.1247	0.1201	0.1132	0.1103	0.1154	0.1227	0.1294	0.1366	0.1447	0.1537	0.1637	0.1748	0.1855	0.1964
(less CEU and FSU)	0.0941	0.0933	0.0969	0.0930	0.1012	0.1037	0.1083	0.1157	0.1223	0.1296	0.1377	0.1468	0.1569	0.1681	0.1788	0.1897

TABLE -- 48

ALL FEED USE	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA	2.85	0.87	-1.31	0.54	0.29	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
CANADA	1.47	-0.30	0.08	2.77	0.34	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
MEXICO	6.98	-0.88	4.06	6.25	4.86	**3.40**	3.40	3.40	3.40	3.40	3.40	3.40	3.40	**1.20**	**0.00**
BRAZIL	4.81	0.09	1.19	4.29	-1.17	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
ARGENTINA	-2.73	3.77	-10.67	3.35	5.76	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
OTHER LATIN AMERICA	5.74	1.62	0.08	6.28	2.75	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68
W EUROPE	1.09	-0.59	-2.66	1.52	2.41	**1.67**	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
CENTRAL EUROPE	1.69	-1.13	-1.37	-5.28	-1.90	**0.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**
FSU-15	3.03	-1.20	1.01	-11.56	-7.67	**3.28**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**
JAPAN	5.01	1.20	-0.21	-1.11	-1.35	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAIWAN	14.77	3.03	3.74	0.94	-3.91	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SOUTH KOREA	20.97	13.13	4.70	4.94	-2.02	**2.54**	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54
CHINA	12.04	6.38	4.13	6.30	1.55	2.16	4.22	2.70	2.59	2.62	2.68	2.75	2.82	2.87	2.91
INDIA	7.31	1.94	6.82	3.64	9.54	3.11	2.60	2.34	2.15	2.03	1.94	1.87	1.83	1.80	1.79
INDONESIA	7.89	15.76	12.21	13.16	-0.07	**3.50**	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
MALAYSIA	24.50	8.35	2.15	5.12	-0.41	**2.00**	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
OTHER ASIA, COE	7.58	2.17	2.75	1.29	0.87	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
AUSTRALIA	7.47	-3.65	2.81	1.20	3.02	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
SOUTH AFRICA	3.88	-4.69	1.93	-3.33	-0.46	**0.10**	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
N AFRICA & MIDDLE EAST	15.82	10.50	0.11	-0.61	-2.16	**-0.10**	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
OTHER AFRICA	7.54	3.39	-4.53	-1.40	0.26	**-1.89**	-1.89	-1.89	-1.89	-1.89	-1.89	-1.89	-1.89	-1.89	-1.89
TOTAL	2.66	-0.03	-0.74	-1.19	-0.51	0.92	1.23	1.06	1.10	1.15	1.22	1.27	1.32	1.20	1.15
(less CEU and FSU)	-0.18	0.77	-0.82	1.70	0.50	0.86	1.33	1.13	1.16	1.22	1.29	1.34	1.38	1.25	1.19

TABLE -- 49

ALL FOOD USE

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				MT per capita												
USA	0.1707	0.1903	0.2399	0.2730	0.2949	0.3180	0.3433	0.3705	0.4000	0.4317	0.4660	0.5030	0.5429	0.5860	0.6325	0.6827
CANADA	0.2114	0.2247	0.2296	0.2240	0.2208	0.2501	0.2574	0.2649	0.2727	0.2807	0.2889	0.2974	0.3061	0.3151	0.3243	0.3338
MEXICO	0.2185	0.2298	0.2121	0.2154	0.2198	0.2162	0.2176	0.2190	0.2204	0.2218	0.2232	0.2246	0.2260	0.2275	0.2289	0.2304
BRAZIL	0.1266	0.1332	0.1235	0.1219	0.1316	0.1271	0.1283	0.1295	0.1308	0.1320	0.1333	0.1346	0.1359	0.1372	0.1386	0.1399
ARGENTINA	0.2088	0.1660	0.1823	0.1835	0.1798	0.1655	0.1700	0.1747	0.1795	0.1844	0.1894	0.1946	0.1999	0.2054	0.2110	0.2167
OTHER LATIN AMERICA	0.1175	0.1274	0.1208	0.1174	0.1158	0.1176	0.1177	0.1178	0.1179	0.1180	0.1181	0.1182	0.1183	0.1184	0.1185	0.1185
W EUROPE	0.1702	0.1741	0.1694	0.1679	0.1723	0.1782	0.1812	0.1843	0.1874	0.1906	0.1939	0.1972	0.2005	0.2039	0.2074	0.2109
CENTRAL EUROPE	0.2505	0.2510	0.2520	0.2614	0.2057	0.2050	0.2084	0.2119	0.2154	0.2190	0.2227	0.2264	0.2302	0.2340	0.2379	0.2419
FSU-15	0.2602	0.2571	0.2308	0.2326	0.2064	0.2118	0.2154	0.2191	0.2228	0.2266	0.2305	0.2344	0.2385	0.2425	0.2467	0.2509
JAPAN	0.1641	0.1640	0.1619	0.1551	0.1506	0.1500	0.1500	0.1500	0.1500	0.1500	0.1500	0.1500	0.1500	0.1500	0.1500	0.1500
TAIWAN	0.1906	0.1525	0.1511	0.1385	0.1255	0.1186	0.1195	0.1204	0.1213	0.1222	0.1231	0.1240	0.1250	0.1259	0.1269	0.1278
SOUTH KOREA	0.2384	0.2407	0.2231	0.2247	0.2110	0.2009	0.1959	0.1910	0.1863	0.1817	0.1772	0.1728	0.1685	0.1644	0.1603	0.1563
CHINA	0.1907	0.2191	0.2239	0.2277	0.2275	0.2219	0.2089	0.2054	0.2029	0.2011	0.2009	0.1993	0.1986	0.1989	0.1998	0.2011
INDIA	0.1542	0.1617	0.1656	0.1769	0.1774	0.1704	0.1749	0.1781	0.1790	0.1812	0.1837	0.1876	0.1923	0.1973	0.2041	0.2123
INDONESIA	0.2549	0.3348	0.4107	0.4406	0.4903	0.5126	0.5387	0.5662	0.5951	0.6254	0.6573	0.6909	0.7261	0.7631	0.8021	0.8430
MALAYSIA	0.1562	0.1370	0.1333	0.1306	0.1387	0.1412	0.1439	0.1467	0.1496	0.1525	0.1555	0.1585	0.1616	0.1647	0.1679	0.1712
OTHER ASIA, COE	0.1851	0.1867	0.1893	0.1859	0.1863	0.1938	0.1978	0.2020	0.2062	0.2106	0.2150	0.2195	0.2241	0.2288	0.2336	0.2385
AUSTRALIA	0.1243	0.1506	0.1404	0.1688	0.1834	0.1834	0.1912	0.1993	0.2078	0.2166	0.2258	0.2354	0.2454	0.2558	0.2666	0.2780
SOUTH AFRICA	0.2143	0.1994	0.1777	0.1749	0.1735	0.1684	0.1714	0.1744	0.1774	0.1806	0.1838	0.1870	0.1903	0.1936	0.1971	0.2005
N AFRICA & MIDDLE EAST	0.2331	0.2262	0.2130	0.2100	0.2233	0.2294	0.2316	0.2339	0.2362	0.2386	0.2410	0.2433	0.2458	0.2482	0.2506	0.2531
OTHER AFRICA	0.1252	0.1295	0.1201	0.1244	0.1318	0.1242	0.1242	0.1242	0.1242	0.1242	0.1242	0.1242	0.1242	0.1242	0.1242	0.1242
TOTAL	0.1815	0.1916	0.1920	0.1957	0.1958	0.1948	0.1948	0.1968	0.1987	0.2012	0.2041	0.2072	0.2108	0.2147	0.2192	0.2243
(less CEU and FSU)	0.1823	0.1855	0.1880	0.1919	0.1950	0.1937	0.1936	0.1955	0.1974	0.1998	0.2027	0.2058	0.2094	0.2134	0.2180	0.2231

TABLE -- 50

ALL FOOD USE	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA	2.20	4.74	2.62	1.56	1.52	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54
CANADA	1.23	0.43	-0.49	-0.29	2.52	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
MEXICO	1.01	-1.59	0.31	0.40	-0.33	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
BRAZIL	1.01	-1.49	-0.27	1.55	-0.70	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
ARGENTINA	-4.49	1.90	0.13	-0.40	-1.64	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
OTHER LATIN AMERICA	1.63	-1.05	-0.57	-0.27	0.30	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
W EUROPE	0.45	-0.55	-0.18	0.52	0.67	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
CENTRAL EUROPE	0.04	0.08	0.74	-4.68	-0.07	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
FSU-15	-0.23	-2.14	0.16	-2.36	0.52	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
JAPAN	-0.01	-0.26	-0.85	-0.58	-0.09	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAIWAN	-4.36	-0.18	-1.73	-1.94	-1.13	**0.15**	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SOUTH KOREA	0.19	-1.51	0.14	-1.25	-0.98	**-0.50**	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
CHINA	2.82	0.43	0.33	-0.02	-0.50	-1.20	-0.34	-0.24	-0.17	-0.02	-0.16	-0.06	0.03	0.09	0.13
INDIA	0.95	0.47	1.34	0.06	-0.81	0.53	0.36	0.10	0.25	0.27	0.42	0.50	0.52	0.68	0.79
INDONESIA	5.60	4.18	1.42	2.16	0.89	**1.00**	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MALAYSIA	-2.59	-0.55	-0.40	1.20	0.35	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
OTHER ASIA, COE	0.17	0.28	-0.36	0.04	0.79	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
AUSTRALIA	3.90	-1.39	3.75	1.67	0.00	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
SOUTH AFRICA	-1.43	-2.28	-0.31	-0.17	-0.59	**0.35**	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
N AFRICA & MIDDLE EAST	-0.60	-1.20	-0.28	1.24	0.53	**0.20**	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
OTHER AFRICA	0.67	-1.50	0.71	1.16	-1.18	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	1.09	0.05	0.38	0.01	-0.10	0.00	0.20	0.20	0.25	0.29	0.30	0.34	0.37	0.42	0.46
(less CEU and FSU)	0.35	0.26	0.41	0.32	-0.13	-0.02	0.20	0.19	0.25	0.29	0.30	0.35	0.38	0.43	0.47

TABLE -- 51

WHEAT FOOD & OTHER

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				MT per capita												
USA	0.0832	0.0841	0.0872	0.0942	0.0998	0.1034	0.1079	0.1126	0.1175	0.1226	0.1280	0.1336	0.1394	0.1455	0.1519	0.1585
CANADA	0.1277	0.1224	0.1319	0.1377	0.1282	0.1287	0.1303	0.1320	0.1337	0.1354	0.1371	0.1389	0.1407	0.1425	0.1443	0.1462
MEXICO	0.0459	0.0472	0.0464	0.0464	0.0498	0.0513	0.0524	0.0535	0.0546	0.0558	0.0570	0.0582	0.0594	0.0607	0.0620	0.0633
BRAZIL	0.0481	0.0530	0.0505	0.0487	0.0502	0.0535	0.0536	0.0537	0.0538	0.0540	0.0541	0.0542	0.0543	0.0545	0.0546	0.0547
ARGENTINA	0.1565	0.1367	0.1447	0.1340	0.1213	0.1094	0.1084	0.1074	0.1064	0.1054	0.1044	0.1034	0.1024	0.1014	0.1005	0.0995
OTHER LATIN AMERICA	0.0488	0.0516	0.0519	0.0503	0.0491	0.0518	0.0519	0.0519	0.0520	0.0520	0.0521	0.0521	0.0522	0.0522	0.0523	0.0524
W EUROPE	0.1098	0.1094	0.1084	0.1078	0.1117	0.1170	0.1188	0.1206	0.1224	0.1242	0.1261	0.1280	0.1299	0.1318	0.1338	0.1358
CENTRAL EUROPE	0.1775	0.1790	0.1834	0.1937	0.1475	0.1447	0.1476	0.1506	0.1536	0.1567	0.1598	0.1631	0.1664	0.1697	0.1731	0.1766
FSU-15	0.1949	0.1880	0.1685	0.1721	0.1577	0.1690	0.1680	0.1670	0.1661	0.1651	0.1642	0.1632	0.1622	0.1613	0.1604	0.1594
JAPAN	0.0499	0.0504	0.0500	0.0447	0.0427	0.0412	0.0423	0.0433	0.0444	0.0456	0.0467	0.0479	0.0491	0.0503	0.0516	0.0529
TAIWAN	0.0356	0.0362	0.0386	0.0423	0.0418	0.0442	0.0458	0.0475	0.0492	0.0510	0.0528	0.0547	0.0567	0.0588	0.0609	0.0631
SOUTH KOREA	0.0505	0.0508	0.0494	0.0460	0.0476	0.0474	0.0474	0.0475	0.0475	0.0476	0.0476	0.0477	0.0477	0.0478	0.0478	0.0479
CHINA	0.0467	0.0723	0.0855	0.0878	0.0879	0.0871	0.0823	0.0831	0.0843	0.0857	0.0877	0.0881	0.0891	0.0907	0.0928	0.0953
INDIA	0.0431	0.0499	0.0558	0.0607	0.0662	0.0663	0.0716	0.0767	0.0787	0.0812	0.0830	0.0854	0.0885	0.0927	0.0980	0.1041
INDONESIA	0.0116	0.0167	0.0189	0.0251	0.0451	0.0442	0.0459	0.0476	0.0494	0.0513	0.0533	0.0553	0.0574	0.0596	0.0618	0.0642
MALAYSIA	0.0286	0.0298	0.0346	0.0421	0.0455	0.0469	0.0486	0.0504	0.0522	0.0541	0.0561	0.0582	0.0603	0.0625	0.0648	0.0671
OTHER ASIA, COE	0.0606	0.0654	0.0648	0.0644	0.0666	0.0657	0.0663	0.0669	0.0676	0.0682	0.0689	0.0695	0.0702	0.0709	0.0716	0.0722
AUSTRALIA	0.0913	0.0747	0.0845	0.0984	0.1111	0.1060	0.1060	0.1060	0.1060	0.1060	0.1060	0.1060	0.1060	0.1060	0.1060	0.1060
SOUTH AFRICA	0.0631	0.0616	0.0605	0.0558	0.0621	0.0607	0.0638	0.0671	0.0705	0.0741	0.0779	0.0818	0.0860	0.0904	0.0950	0.0998
N AFRICA & MIDDLE EAST	0.1533	0.1650	0.1703	0.1707	0.1773	0.1819	0.1845	0.1872	0.1899	0.1927	0.1955	0.1983	0.2012	0.2041	0.2070	0.2100
OTHER AFRICA	0.0110	0.0141	0.0151	0.0138	0.0130	0.0162	0.0160	0.0158	0.0156	0.0154	0.0152	0.0150	0.0148	0.0146	0.0145	0.0143
TOTAL	0.0705	0.0777	0.0803	0.0813	0.0809	0.0815	0.0814	0.0826	0.0834	0.0843	0.0852	0.0859	0.0869	0.0881	0.0896	0.0912

TABLE -- 52

WHEAT FOOD & OTHER	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA	0.22	0.71	1.56	1.17	0.70	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
CANADA	-0.83	1.50	0.86	-1.42	0.08	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
MEXICO	0.57	-0.34	0.02	1.39	0.61	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
BRAZIL	1.97	-0.98	-0.70	0.61	1.27	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
ARGENTINA	-2.67	1.14	-1.52	-1.98	-2.03	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19
OTHER LATIN AMERICA	1.13	0.10	-0.63	-0.46	1.07	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
W EUROPE	-0.07	-0.19	-0.12	0.71	0.94	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
CENTRAL EUROPE	0.17	0.49	1.09	-5.31	-0.38	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
FSU-15	-0.72	-2.17	0.43	-1.73	1.39	-0.12	-0.12	-0.12	-0.12	-0.12	-0.12	-0.12	-0.12	-0.12	-0.12
JAPAN	0.18	-0.14	-2.22	-0.92	-0.70	**0.50**	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
TAIWAN	0.33	1.28	1.86	-0.27	1.14	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SOUTH KOREA	0.14	-0.55	-1.44	0.71	-0.09	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
CHINA	9.13	3.41	0.54	0.03	-0.19	-1.13	0.20	0.28	0.32	0.46	0.09	0.23	0.36	0.45	0.53
INDIA	2.99	2.23	1.71	1.75	0.03	1.56	1.38	0.50	0.62	0.45	0.57	0.73	0.93	1.12	1.21
INDONESIA	7.54	2.48	5.82	12.44	-0.41	**0.75**	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
MALAYSIA	0.79	3.08	4.01	1.52	0.64	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
OTHER ASIA, COE	1.56	-0.21	-0.10	0.67	-0.29	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
AUSTRALIA	-3.93	2.48	3.10	2.46	-0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SOUTH AFRICA	-0.49	-0.35	-1.61	2.19	-0.46	**1.00**	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
N AFRICA & MIDDLE EAST	1.48	0.63	0.05	0.76	0.51	**0.29**	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
OTHER AFRICA	5.03	1.40	-1.80	-1.16	4.48	**-0.25**	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
TOTAL	1.96	0.66	0.26	-0.09	0.14	-0.03	0.30	0.19	0.22	0.21	0.16	0.22	0.28	0.33	0.36

TABLE -- 53

RICE FOOD & OTHER

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				MT per capita												
USA	0.0069	0.0089	0.0090	0.0115	0.0126	0.0137	0.0145	0.0154	0.0163	0.0173	0.0184	0.0195	0.0207	0.0219	0.0233	0.0247
CANADA	0.0026	0.0038	0.0036	0.0061	0.0076	0.0082	0.0088	0.0094	0.0101	0.0109	0.0117	0.0125	0.0134	0.0144	0.0155	0.0166
MEXICO	0.0054	0.0054	0.0056	0.0052	0.0056	0.0064	0.0065	0.0066	0.0066	0.0067	0.0068	0.0069	0.0070	0.0071	0.0072	0.0073
BRAZIL	0.0440	0.0497	0.0474	0.0497	0.0478	0.0457	0.0448	0.0438	0.0429	0.0421	0.0412	0.0403	0.0395	0.0387	0.0379	0.0371
ARGENTINA	0.0044	0.0037	0.0042	0.0061	0.0059	0.0068	0.0074	0.0080	0.0087	0.0094	0.0103	0.0111	0.0121	0.0131	0.0142	0.0154
OTHER LATIN AMERICA	0.0238	0.0276	0.0269	0.0264	0.0274	0.0302	0.0318	0.0333	0.0350	0.0368	0.0386	0.0405	0.0425	0.0447	0.0469	0.0492
W EUROPE	0.0039	0.0041	0.0045	0.0046	0.0050	0.0055	0.0057	0.0060	0.0063	0.0067	0.0070	0.0074	0.0077	0.0081	0.0086	0.0090
CENTRAL EUROPE	0.0033	0.0031	0.0033	0.0023	0.0026	0.0028	0.0028	0.0028	0.0027	0.0027	0.0026	0.0026	0.0026	0.0025	0.0025	0.0024
FSU-15	0.0055	0.0085	0.0062	0.0061	0.0038	0.0045	0.0049	0.0053	0.0058	0.0062	0.0068	0.0074	0.0080	0.0087	0.0094	0.0102
JAPAN	0.0949	0.0874	0.0825	0.0776	0.0746	0.0738	0.0719	0.0701	0.0683	0.0666	0.0649	0.0633	0.0617	0.0601	0.0586	0.0571
TAIWAN	0.1270	0.1046	0.0972	0.0786	0.0645	0.0586	0.0586	0.0586	0.0586	0.0586	0.0586	0.0586	0.0586	0.0586	0.0586	0.0586
SOUTH KOREA	0.1343	0.1432	0.1375	0.1269	0.1158	0.1057	0.1031	0.1005	0.0980	0.0956	0.0932	0.0909	0.0887	0.0865	0.0843	0.0822
CHINA	0.0913	0.0989	0.1043	0.1074	0.1078	0.1055	0.1006	0.0992	0.0982	0.0974	0.0972	0.0970	0.0970	0.0971	0.0972	0.0971
INDIA	0.0685	0.0724	0.0760	0.0841	0.0833	0.0819	0.0841	0.0847	0.0859	0.0876	0.0899	0.0928	0.0957	0.0976	0.1000	0.1029
INDONESIA	0.2131	0.2740	0.3441	0.3766	0.4083	0.4321	0.4542	0.4773	0.5017	0.5273	0.5542	0.5824	0.6121	0.6434	0.6762	0.7107
MALAYSIA	0.1221	0.1056	0.0967	0.0843	0.0853	0.0887	0.0849	0.0814	0.0779	0.0746	0.0715	0.0685	0.0656	0.0628	0.0602	0.0576
OTHER ASIA, COE	0.1026	0.1004	0.1029	0.1026	0.1036	0.1121	0.1153	0.1185	0.1218	0.1253	0.1288	0.1324	0.1361	0.1400	0.1439	0.1480
AUSTRALIA	0.0058	0.0082	0.0104	0.0163	0.0194	0.0269	0.0298	0.0328	0.0363	0.0400	0.0442	0.0488	0.0539	0.0595	0.0657	0.0725
SOUTH AFRICA	0.0028	0.0042	0.0054	0.0083	0.0103	0.0125	0.0139	0.0153	0.0169	0.0186	0.0206	0.0227	0.0251	0.0277	0.0306	0.0338
N AFRICA & MIDDLE EAST	0.0213	0.0228	0.0224	0.0222	0.0253	0.0277	0.0283	0.0289	0.0295	0.0302	0.0308	0.0315	0.0321	0.0328	0.0335	0.0343
OTHER AFRICA	0.0135	0.0165	0.0161	0.0170	0.0167	0.0182	0.0180	0.0178	0.0176	0.0173	0.0171	0.0169	0.0167	0.0165	0.0163	0.0161
TOTAL	0.0565	0.0603	0.0629	0.0653	0.0657	0.0666	0.0666	0.0670	0.0676	0.0683	0.0692	0.0702	0.0712	0.0719	0.0727	0.0736

TABLE -- 54

RICE FOOD & OTHER	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA	5.29	0.13	5.13	1.86	1.58	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
CANADA	8.37	-1.57	11.53	4.30	1.56	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43
MEXICO	-0.12	0.80	-1.34	1.30	2.84	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
BRAZIL	2.44	-0.92	0.95	-0.80	-0.88	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41
ARGENTINA	-3.58	2.82	7.88	-0.76	2.88	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65
OTHER LATIN AMERICA	3.05	-0.52	-0.37	0.78	1.96	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
W EUROPE	0.91	1.91	0.64	1.72	1.60	**1.00**	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CENTRAL EUROPE	-1.20	1.62	-6.75	1.89	2.02	-0.31	-0.31	-0.31	-0.31	-0.31	-0.31	-0.31	-0.31	-0.31	-0.31
FSU-15	9.25	-6.24	-0.25	-9.17	3.56	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65
JAPAN	-1.63	-1.14	-1.21	-0.79	-0.23	-0.51	-0.51	-0.51	-0.51	-0.51	-0.51	-0.51	-0.51	-0.51	-0.51
TAIWAN	-3.80	-1.46	-4.17	-3.87	-1.91	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SOUTH KOREA	1.28	-0.80	-1.59	-1.82	-1.81	**-0.50**	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
CHINA	1.62	1.06	0.59	0.08	-0.44	-0.94	-0.28	-0.21	-0.16	-0.03	-0.04	0.00	0.02	0.01	-0.02
INDIA	1.10	0.98	2.06	-0.20	-0.34	0.53	0.15	0.27	0.39	0.52	0.64	0.60	0.40	0.49	0.57
INDONESIA	5.16	4.66	1.82	1.63	1.14	**1.00**	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MALAYSIA	-2.87	-1.75	-2.70	0.25	0.77	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86	-0.86
OTHER ASIA, COE	-0.44	0.50	-0.05	0.19	1.59	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
AUSTRALIA	7.41	4.80	9.39	3.49	6.84	**2.00**	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
SOUTH AFRICA	8.36	4.92	8.95	4.60	3.96	**2.00**	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
N AFRICA & MIDDLE EAST	1.40	-0.35	-0.21	2.66	1.84	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
OTHER AFRICA	4.18	-0.58	1.16	-0.33	1.73	**-0.25**	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
TOTAL	1.31	0.85	0.76	0.11	0.28	-0.01	0.12	0.17	0.21	0.27	0.28	0.27	0.22	0.23	0.23

TABLE -- 55

COARSE GRAIN FEED USE

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				MT per capita												
USA	0.5011	0.5729	0.5687	0.5399	0.5591	0.5708	0.5879	0.6055	0.6236	0.6423	0.6615	0.6812	0.7015	0.7224	0.7439	0.7660
CANADA	0.5300	0.5605	0.5533	0.5338	0.6002	0.6155	0.6373	0.6599	0.6833	0.7074	0.7325	0.7584	0.7852	0.8130	0.8418	0.8715
MEXICO	0.0667	0.0924	0.0788	0.1082	0.1504	0.1894	0.2247	0.2664	0.3158	0.3741	0.4430	0.5244	0.6207	0.7345	0.7799	0.7799
BRAZIL	0.1160	0.1467	0.1474	0.1563	0.1929	0.1808	0.1910	0.2018	0.2132	0.2253	0.2380	0.2515	0.2657	0.2807	0.2965	0.3133
ARGENTINA	0.1958	0.1834	0.2260	0.1260	0.1456	0.1960	0.2017	0.2075	0.2134	0.2196	0.2259	0.2323	0.2390	0.2458	0.2529	0.2601
OTHER LATIN AMERICA	0.0260	0.0346	0.0372	0.0390	0.0521	0.0604	0.0691	0.0791	0.0904	0.1034	0.1182	0.1350	0.1543	0.1763	0.2014	0.2301
W EUROPE	0.2305	0.2408	0.2052	0.1729	0.1687	0.1780	0.1921	0.2074	0.2238	0.2415	0.2606	0.2812	0.3033	0.3272	0.3528	0.3805
CENTRAL EUROPE	0.3325	0.3809	0.3408	0.2927	0.2283	0.2023	0.2023	0.2126	0.2234	0.2348	0.2468	0.2594	0.2726	0.2866	0.3012	0.3165
FSU-15	0.2541	0.2516	0.2749	0.2643	0.1512	0.0990	0.1145	0.1183	0.1222	0.1261	0.1301	0.1340	0.1380	0.1419	0.1457	0.1495
JAPAN	0.1078	0.1371	0.1460	0.1412	0.1300	0.1230	0.1230	0.1230	0.1230	0.1230	0.1230	0.1230	0.1230	0.1230	0.1230	0.1230
TAIWAN	0.0964	0.1919	0.2228	0.2678	0.2785	0.2278	0.2389	0.2506	0.2628	0.2757	0.2892	0.3033	0.3181	0.3336	0.3499	0.3669
SOUTH KOREA	0.0224	0.0594	0.0793	0.1054	0.1507	0.1389	0.1623	0.1883	0.2174	0.2500	0.2866	0.3279	0.3743	0.4267	0.4859	0.5529
CHINA	0.0166	0.0296	0.0403	0.0490	0.0679	0.0733	0.0819	0.1013	0.1162	0.1324	0.1511	0.1728	0.1983	0.2283	0.2634	0.3044
INDIA	0.0018	0.0023	0.0026	0.0040	0.0049	0.0077	0.0091	0.0104	0.0117	0.0130	0.0145	0.0160	0.0176	0.0193	0.0211	0.0231
INDONESIA	0.0051	0.0074	0.0154	0.0259	0.0493	0.0508	0.0603	0.0716	0.0851	0.1011	0.1200	0.1425	0.1693	0.2011	0.2388	0.2836
MALAYSIA	0.0165	0.0501	0.0744	0.0790	0.1072	0.1054	0.1166	0.1290	0.1426	0.1577	0.1744	0.1928	0.2131	0.2355	0.2602	0.2875
OTHER ASIA, COE	0.0129	0.0176	0.0201	0.0229	0.0233	0.0234	0.0247	0.0260	0.0273	0.0285	0.0296	0.0305	0.0312	0.0316	0.0317	0.0311
AUSTRALIA	0.0796	0.1178	0.1073	0.1447	0.1669	0.1394	0.1454	0.1516	0.1581	0.1649	0.1720	0.1794	0.1872	0.1952	0.2036	0.2124
SOUTH AFRICA	0.1104	0.1319	0.1020	0.1139	0.0981	0.0959	0.0964	0.0968	0.0973	0.0978	0.0983	0.0988	0.0993	0.0998	0.1003	0.1008
N AFRICA & MIDDLE EAST	0.0287	0.0629	0.1058	0.1031	0.1017	0.0918	0.0880	0.0875	0.0871	0.0866	0.0861	0.0857	0.0852	0.0848	0.0843	0.0839
OTHER AFRICA	0.0019	0.0028	0.0032	0.0026	0.0024	0.0025	0.0022	0.0020	0.0018	0.0017	0.0015	0.0014	0.0013	0.0011	0.0010	0.0009
TOTAL	0.0930	0.1043	0.1034	0.0980	0.0962	0.0937	0.0981	0.1048	0.1108	0.1173	0.1245	0.1326	0.1415	0.1515	0.1609	0.1704

TABLE -- 56

COARSE GRAIN FEED USE	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA	2.71	-0.15	-1.03	0.70	0.42	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
CANADA	1.12	-0.26	-0.71	2.37	0.51	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
MEXICO	6.74	-3.12	6.55	6.80	4.72	3.48	3.47	3.46	3.45	3.44	3.43	3.43	3.42	1.21	0.00
BRAZIL	4.81	0.09	1.19	4.29	-1.29	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.10	1.10	1.10
ARGENTINA	-1.30	4.27	-11.04	2.95	6.12	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
OTHER LATIN AMERICA	5.87	1.51	0.91	5.99	3.00	2.73	2.72	2.72	2.71	2.71	2.71	2.70	2.70	2.70	2.70
W EUROPE	0.88	-3.15	-3.37	-0.48	1.07	1.54	1.54	1.54	1.53	1.53	1.53	1.53	1.53	1.52	1.52
CENTRAL EUROPE	2.76	-2.20	-3.00	-4.85	-2.39	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FSU-15	-0.19	1.78	-0.78	-10.57	-8.12	2.95	0.66	0.65	0.63	0.62	0.60	0.58	0.56	0.54	0.52
JAPAN	4.92	1.27	-0.67	-1.63	-1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TAIWAN	14.77	3.03	3.74	0.79	-3.94	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
SOUTH KOREA	21.58	5.92	5.86	7.42	-1.62	3.16	3.02	2.92	2.83	2.77	2.72	2.69	2.66	2.63	2.61
CHINA	12.23	6.41	3.97	6.74	1.54	2.24	4.36	2.77	2.65	2.67	2.73	2.79	2.86	2.90	2.94
INDIA	5.16	2.37	8.54	4.13	9.74	3.26	2.70	2.43	2.22	2.09	2.00	1.92	1.87	1.84	1.82
INDONESIA	7.89	15.76	10.92	13.70	0.61	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50	3.50
MALAYSIA	24.92	8.21	1.20	6.32	-0.34	2.04	2.04	2.03	2.03	2.03	2.02	2.02	2.02	2.02	2.02
OTHER ASIA, COE	6.35	2.66	2.70	0.30	0.16	1.09	1.03	0.95	0.86	0.75	0.62	0.46	0.26	0.01	-0.33
AUSTRALIA	8.15	-1.84	6.15	2.91	-3.55	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
SOUTH AFRICA	3.62	-5.00	2.23	-2.95	-0.45	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
N AFRICA & MIDDLE EAST	16.98	10.97	-0.52	-0.27	-2.04	-0.84	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11
OTHER AFRICA	7.74	2.86	-4.09	-1.15	0.28	-1.89	-1.89	-1.89	-1.89	-1.89	-1.89	-1.89	-1.89	-1.89	-1.89
TOTAL	2.32	-0.16	-1.08	-0.37	-0.51	0.92	1.33	1.11	1.14	1.20	1.27	1.32	1.37	1.22	1.15

TABLE -- 57

COARSE GRAIN FOOD & OTHER

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				MT per capita												
USA	0.0806	0.0973	0.1438	0.1673	0.1825	0.2010	0.2209	0.2426	0.2661	0.2918	0.3196	0.3499	0.3828	0.4186	0.4574	0.4996
CANADA	0.0811	0.0984	0.0941	0.0802	0.0850	0.1132	0.1183	0.1235	0.1289	0.1344	0.1401	0.1460	0.1520	0.1582	0.1645	0.1711
MEXICO	0.1673	0.1772	0.1602	0.1638	0.1644	0.1585	0.1587	0.1589	0.1591	0.1592	0.1594	0.1595	0.1596	0.1597	0.1598	0.1598
BRAZIL	0.0345	0.0305	0.0256	0.0235	0.0337	0.0279	0.0300	0.0320	0.0340	0.0360	0.0381	0.0401	0.0421	0.0441	0.0461	0.0481
ARGENTINA	0.0480	0.0256	0.0334	0.0433	0.0527	0.0493	0.0543	0.0593	0.0644	0.0696	0.0748	0.0801	0.0854	0.0908	0.0963	0.1018
OTHER LATIN AMERICA	0.0449	0.0481	0.0420	0.0407	0.0393	0.0355	0.0341	0.0325	0.0309	0.0292	0.0274	0.0255	0.0235	0.0214	0.0193	0.0170
W EUROPE	0.0565	0.0606	0.0565	0.0555	0.0556	0.0557	0.0567	0.0577	0.0587	0.0597	0.0608	0.0618	0.0629	0.0640	0.0650	0.0661
CENTRAL EUROPE	0.0698	0.0690	0.0652	0.0654	0.0557	0.0575	0.0580	0.0586	0.0591	0.0596	0.0602	0.0607	0.0612	0.0618	0.0623	0.0628
FSU-15	0.0598	0.0606	0.0561	0.0543	0.0448	0.0383	0.0425	0.0467	0.0510	0.0553	0.0596	0.0639	0.0682	0.0725	0.0769	0.0812
JAPAN	0.0193	0.0262	0.0293	0.0327	0.0333	0.0350	0.0358	0.0366	0.0372	0.0379	0.0384	0.0388	0.0392	0.0396	0.0398	0.0400
TAIWAN	0.0279	0.0116	0.0153	0.0175	0.0193	0.0158	0.0151	0.0143	0.0135	0.0127	0.0117	0.0107	0.0097	0.0086	0.0074	0.0061
SOUTH KOREA	0.0537	0.0467	0.0361	0.0518	0.0476	0.0478	0.0454	0.0430	0.0408	0.0385	0.0364	0.0342	0.0322	0.0301	0.0282	0.0262
CHINA	**0.0527**	**0.0479**	**0.0341**	**0.0325**	**0.0318**	**0.0294**	**0.0260**	**0.0230**	**0.0204**	**0.0181**	**0.0160**	**0.0142**	**0.0126**	**0.0111**	**0.0099**	**0.0088**
INDIA	**0.0426**	**0.0394**	**0.0338**	**0.0321**	**0.0280**	**0.0222**	**0.0192**	**0.0166**	**0.0144**	**0.0125**	**0.0108**	**0.0094**	**0.0081**	**0.0070**	**0.0061**	**0.0053**
INDONESIA	0.0302	0.0440	0.0477	0.0390	0.0369	0.0362	0.0387	0.0412	0.0440	0.0468	0.0499	0.0531	0.0566	0.0602	0.0640	0.0681
MALAYSIA	0.0055	0.0016	0.0020	0.0042	0.0079	0.0056	0.0103	0.0150	0.0194	0.0237	0.0279	0.0318	0.0357	0.0394	0.0430	0.0464
OTHER ASIA, COE	0.0219	0.0209	0.0217	0.0188	0.0160	0.0160	0.0163	0.0165	0.0168	0.0171	0.0173	0.0175	0.0178	0.0180	0.0181	0.0183
AUSTRALIA	0.0273	0.0676	0.0455	0.0541	0.0529	0.0504	0.0554	0.0604	0.0655	0.0705	0.0756	0.0806	0.0855	0.0903	0.0950	0.0994
SOUTH AFRICA	0.1484	0.1336	0.1118	0.1109	0.1010	0.0951	0.0937	0.0920	0.0901	0.0879	0.0853	0.0824	0.0792	0.0755	0.0715	0.0669
N AFRICA & MIDDLE EAST	0.0585	0.0383	0.0203	0.0171	0.0208	0.0197	0.0188	0.0178	0.0168	0.0158	0.0147	0.0136	0.0124	0.0113	0.0101	0.0089
OTHER AFRICA	0.1007	0.0989	0.0889	0.0936	0.1021	0.0898	0.0902	0.0907	0.0911	0.0915	0.0919	0.0923	0.0927	0.0931	0.0935	0.0939
TOTAL	0.0545	0.0536	0.0489	0.0491	0.0492	0.0467	0.0468	0.0472	0.0478	0.0486	0.0497	0.0511	0.0527	0.0547	0.0569	0.0594

TABLE -- 58

COARSE GRAIN FOOD & OTHER	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA	3.83	8.13	3.08	1.76	1.95	1.91	1.89	1.87	1.86	1.84	1.83	1.81	1.80	1.79	1.78
CANADA	3.94	-0.88	-3.16	1.19	5.88	0.88	0.87	0.86	0.85	0.83	0.82	0.81	0.80	0.79	0.78
MEXICO	1.17	-2.00	0.44	0.08	-0.73	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
BRAZIL	-2.47	-3.38	-1.77	7.49	-3.68	1.42	1.32	1.24	1.16	1.09	1.03	0.98	0.93	0.89	0.85
ARGENTINA	-11.78	5.47	5.32	3.97	-1.31	1.94	1.79	1.66	1.56	1.46	1.38	1.30	1.23	1.17	1.12
OTHER LATIN AMERICA	1.40	-2.69	-0.62	-0.72	-1.98	-0.84	-0.92	-1.02	-1.13	-1.26	-1.42	-1.60	-1.84	-2.13	-2.51
W EUROPE	1.40	-1.38	-0.36	0.03	0.03	0.36	0.35	0.35	0.35	0.35	0.34	0.34	0.34	0.34	0.33
CENTRAL EUROPE	-0.24	-1.10	0.04	-3.16	0.63	0.19	0.19	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17
FSU-15	0.28	-1.53	-0.64	-3.76	-3.10	2.11	1.92	1.76	1.62	1.51	1.41	1.32	1.24	1.17	1.10
JAPAN	6.34	2.30	2.21	0.36	0.98	0.47	0.42	0.37	0.32	0.28	0.24	0.20	0.16	0.13	0.09
TAIWAN	-16.07	5.57	2.83	1.92	-3.89	-0.92	-1.03	-1.17	-1.33	-1.52	-1.75	-2.05	-2.43	-2.95	-3.68
SOUTH KOREA	-2.73	-5.02	7.47	-1.66	0.07	-1.03	-1.05	-1.09	-1.12	-1.16	-1.20	-1.24	-1.29	-1.35	-1.41
CHINA	**-1.88**	**-6.57**	**-0.99**	**-0.43**	**-1.57**	**-2.39**	**-2.39**	**-2.39**	**-2.39**	**-2.39**	**-2.39**	**-2.39**	**-2.39**	**-2.39**	**-2.39**
INDIA	**-1.57**	**-3.01**	**-1.05**	**-2.72**	**-4.54**	**-2.83**	**-2.83**	**-2.83**	**-2.83**	**-2.83**	**-2.83**	**-2.83**	**-2.83**	**-2.83**	**-2.83**
INDONESIA	7.79	1.63	-3.96	-1.07	-0.37	1.30	1.29	1.29	1.28	1.27	1.26	1.26	1.25	1.25	1.24
MALAYSIA	-21.49	4.00	16.24	13.45	-6.81	13.20	7.65	5.35	4.08	3.28	2.72	2.31	2.00	1.75	1.55
OTHER ASIA, COE	-0.92	0.70	-2.74	-3.18	-0.06	0.35	0.34	0.32	0.30	0.28	0.26	0.25	0.23	0.21	0.19
AUSTRALIA	19.91	-7.60	3.51	-0.44	-0.96	1.90	1.75	1.62	1.50	1.39	1.29	1.19	1.10	1.01	0.93
SOUTH AFRICA	-2.08	-3.50	-0.16	-1.86	-1.19	-0.30	-0.36	-0.43	-0.50	-0.58	-0.68	-0.80	-0.94	-1.10	-1.31
N AFRICA & MIDDLE EAST	-8.11	-11.96	-3.31	3.90	-0.99	-0.99	-1.07	-1.16	-1.27	-1.40	-1.55	-1.73	-1.95	-2.22	-2.57
OTHER AFRICA	-0.38	-2.10	1.04	1.74	-2.52	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08
TOTAL	-0.33	-1.83	0.09	0.03	-1.03	0.07	0.15	0.25	0.34	0.45	0.55	0.64	0.73	0.80	0.88

TABLE -- 59

MAJOR MEAL DOMESTIC USE

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
				MT per capita												
USA	0.0661	0.0810	0.0821	0.0907	0.1038	0.1151	0.1257	0.1373	0.1499	0.1637	0.1788	0.1952	0.2132	0.2328	0.2542	0.2776
CANADA	0.0396	0.0597	0.0669	0.0609	0.0693	0.0820	0.0888	0.0962	0.1043	0.1130	0.1224	0.1326	0.1437	0.1557	0.1687	0.1827
MEXICO	0.0135	0.0239	0.0254	0.0285	0.0309	0.0450	0.0528	0.0620	0.0727	0.0853	0.1001	0.1174	0.1378	0.1616	0.1896	0.2225
BRAZIL	0.0126	0.0226	0.0227	0.0234	0.0345	0.0440	0.0520	0.0616	0.0729	0.0863	0.0957	0.1010	0.1067	0.1127	0.1191	0.1258
ARGENTINA	0.0109	0.0129	0.0154	0.0075	0.0099	0.0112	0.0136	0.0166	0.0201	0.0245	0.0298	0.0362	0.0440	0.0535	0.0650	0.0791
OTHER LATIN AMERICA	0.0075	0.0107	0.0138	0.0134	0.0181	0.0226	0.0273	0.0321	0.0366	0.0418	0.0477	0.0545	0.0622	0.0710	0.0810	0.0925
W EUROPE	0.0492	0.0680	0.0747	0.0810	0.0889	0.0956	0.1041	0.1133	0.1234	0.1344	0.1464	0.1594	0.1736	0.1890	0.2059	0.2242
CENTRAL EUROPE	0.0324	0.0446	0.0443	0.0350	0.0298	0.0343	0.0366	0.0392	0.0419	0.0448	0.0479	0.0512	0.0548	0.0586	0.0626	0.0670
FSU-15	0.0196	0.0220	0.0231	0.0283	0.0129	0.0145	0.0164	0.0185	0.0209	0.0237	0.0268	0.0303	0.0342	0.0387	0.0437	0.0495
JAPAN	0.0245	0.0309	0.0349	0.0389	0.0394	0.0385	0.0407	0.0430	0.0455	0.0480	0.0508	0.0514	0.0514	0.0514	0.0514	0.0514
TAIWAN	0.0330	0.0401	0.0584	0.0890	0.0926	0.0793	0.0946	0.1011	0.1060	0.1111	0.1165	0.1221	0.1281	0.1343	0.1408	0.1476
SOUTH KOREA	0.0025	0.0104	0.0226	0.0435	0.0587	0.0570	0.0654	0.0751	0.0862	0.0989	0.1135	0.1302	0.1494	0.1715	0.1968	0.2242
CHINA	0.0039	0.0059	0.0076	0.0073	0.0148	0.0222	0.0270	0.0329	0.0400	0.0487	0.0592	0.0703	0.0805	0.0925	0.1065	0.1229
INDIA	0.0042	0.0050	0.0062	0.0080	0.0085	0.0079	0.0079	0.0078	0.0078	0.0078	0.0077	0.0077	0.0076	0.0076	0.0076	0.0075
INDONESIA	0.0003	0.0014	0.0042	0.0057	0.0131	0.0161	0.0208	0.0268	0.0340	0.0404	0.0480	0.0570	0.0677	0.0804	0.0955	0.1135
MALAYSIA	0.0074	0.0137	0.0199	0.0293	0.0498	0.0409	0.0475	0.0525	0.0580	0.0640	0.0706	0.0780	0.0861	0.0951	0.1050	0.1159
OTHER ASIA, COE	0.0035	0.0048	0.0061	0.0079	0.0097	0.0124	0.0117	0.0126	0.0135	0.0146	0.0157	0.0169	0.0182	0.0197	0.0212	0.0228
AUSTRALIA	0.0074	0.0126	0.0182	0.0197	0.0309	0.0379	0.0438	0.0505	0.0582	0.0671	0.0774	0.0893	0.1030	0.1188	0.1370	0.1518
SOUTH AFRICA	0.0080	0.0099	0.0107	0.0133	0.0160	0.0225	0.0263	0.0309	0.0362	0.0392	0.0394	0.0396	0.0398	0.0400	0.0402	0.0404
N AFRICA & MIDDLE EAST	0.0072	0.0097	0.0121	0.0114	0.0141	0.0179	0.0209	0.0244	0.0285	0.0333	0.0367	0.0365	0.0364	0.0362	0.0360	0.0358
OTHER AFRICA	0.0022	0.0020	0.0019	0.0019	0.0018	0.0018	0.0018	0.0017	0.0017	0.0016	0.0016	0.0016	0.0015	0.0015	0.0014	0.0014
TOTAL	0.0144	0.0186	0.0199	0.0212	0.0239	0.0273	0.0299	0.0330	0.0365	0.0405	0.0448	0.0490	0.0531	0.0576	0.0627	0.0683
(less CEU and FSU)	0.0142	0.0176	0.0191	0.0204	0.0244	0.0278	0.0304	0.0335	0.0371	0.0412	0.0455	0.0497	0.0538	0.0583	0.0634	0.0689

TABLE -- 60

MAJOR MEAL DOMESTIC USE	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
	(annual percentage change)														
USA	4.14	0.27	2.01	2.73	2.09	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
CANADA	8.56	2.30	-1.88	2.62	3.43	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62
MEXICO	12.09	1.19	2.33	1.61	7.86	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25
BRAZIL	12.47	0.03	0.67	8.04	4.98	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43
ARGENTINA	3.35	3.66	-13.49	5.83	2.46	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98
OTHER LATIN AMERICA	7.21	5.27	-0.61	6.24	4.56	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86	3.86
W EUROPE	6.68	1.91	1.65	1.87	1.46	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72
CENTRAL EUROPE	6.61	-0.14	-4.61	-3.15	2.84	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35
FSU-15	2.33	0.93	4.17	-14.54	2.36	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49
JAPAN	4.77	2.45	2.21	0.23	-0.45	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11
TAIWAN	3.98	7.79	8.79	0.81	-3.05	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58
SOUTH KOREA	33.07	16.78	14.04	6.18	-0.60	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79
CHINA	8.37	5.25	-0.76	15.06	8.46	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
INDIA	3.82	4.10	5.34	1.11	-1.31	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
INDONESIA	38.38	24.61	6.31	18.08	4.15	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23
MALAYSIA	13.21	7.77	8.01	11.19	-3.84	5.78	5.78	5.78	5.78	5.78	5.78	5.78	5.78	5.78	5.78
OTHER ASIA, COE	6.32	4.87	5.41	4.15	4.99	4.86	4.86	4.86	4.86	4.86	4.86	4.86	4.86	4.86	4.86
AUSTRALIA	11.12	7.70	1.59	9.37	4.20	2.89	2.89	2.89	2.89	2.89	2.89	2.89	2.89	2.89	2.89
SOUTH AFRICA	4.46	1.56	4.37	3.73	7.07	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22
N AFRICA & MIDDLE EAST	6.06	4.66	-1.21	4.37	4.81	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16
OTHER AFRICA	-1.47	-1.36	-0.27	-0.36	-0.07	-0.52	-0.52	-0.52	-0.52	-0.52	-0.52	-0.52	-0.52	-0.52	-0.52
TOTAL	5.23	1.42	1.19	2.46	2.69	1.83	2.01	2.06	2.11	2.04	1.78	1.62	1.66	1.69	1.72
(less CEU and FSU)	4.36	1.63	1.32	3.64	2.67	1.80	1.99	2.05	2.10	2.03	1.76	1.59	1.63	1.67	1.70

TABLE -- 61

USA	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Wheat																					
Production	69.3	62.6	60.5	53.3	59.6	60.0	60.5	60.9	61.4	61.9	62.3	62.8	63.3	65.7	68.2	70.7	73.4	76.2	79.1	82.1	85.2
Feed Use	10.7	7.7	8.0	4.7	6.9	7.0	7.1	7.1	7.2	7.2	7.3	7.4	7.4	7.7	8.0	8.4	8.7	9.0	9.3	9.6	10.0
Food & Other Use	27.0	28.3	28.8	29.1	29.7	30.3	30.8	31.3	31.9	32.4	32.9	33.5	34.1	37.0	40.2	43.6	47.3	51.2	55.3	59.7	64.5
Domestic Use	37.7	36.0	36.8	33.9	36.7	37.3	37.9	38.5	39.0	39.6	40.2	40.9	41.5	44.7	48.2	52.0	56.0	60.2	64.7	69.4	74.4
Trade	25.6	26.5	25.7	22.9	22.9	22.8	22.6	22.5	22.4	22.2	22.1	21.9	21.8	20.9	19.9	18.8	17.4	16.0	14.4	12.7	10.8
Stock Change	6.1	0.1	-2.0	-3.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rice																					
Production	5.8	6.5	6.1	6.6	6.6	6.7	6.8	6.8	6.9	7.0	7.1	7.2	7.3	7.9	8.4	9.0	9.7	10.4	11.1	11.9	12.8
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	3.6	3.9	3.7	3.8	4.0	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	5.1	5.7	6.3	6.9	7.6	8.3	9.1	10.0
Domestic Use	3.6	3.9	3.7	3.8	4.0	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	5.1	5.7	6.3	6.9	7.6	8.3	9.1	10.0
Trade	2.4	2.5	2.3	2.4	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.7
Stock Change	-0.2	0.1	0.0	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coarse Grain																					
Production	271.2	262.9	274.2	260.3	278.6	283.9	289.2	294.7	299.5	304.5	309.6	314.7	320.0	348.4	379.5	413.6	450.9	491.8	536.6	573.1	612.3
of which Corn	247.9	239.5	253.2	239.5	254.7	260.1	265.7	271.4	276.4	281.5	286.7	291.9	297.3	325.7	356.8	390.9	428.2	469.1	513.9	550.5	589.7
of which Others	23.3	23.3	21.0	20.7	24.0	23.7	23.5	23.3	23.1	23.0	22.9	22.8	22.7	22.7	22.7	22.6	22.6	22.6	22.6	22.6	22.6
Feed Use	152.3	156.7	160.6	158.8	163.4	165.8	168.3	170.7	173.2	175.6	178.1	180.6	183.2	196.5	210.5	225.4	241.2	257.6	274.7	292.6	311.5
Food & Other Use	52.7	54.7	55.5	57.4	59.1	60.7	62.4	64.2	65.9	67.7	69.6	71.5	73.4	83.8	95.6	108.9	123.9	140.6	159.1	179.9	203.1
Domestic Use	205.0	211.4	216.1	216.3	222.5	226.5	230.7	234.9	239.1	243.3	247.7	252.1	256.6	280.3	306.1	334.3	365.0	398.2	433.8	472.5	514.7
Trade	53.0	54.0	54.3	56.6	56.2	57.3	58.5	59.8	60.5	61.2	61.9	62.6	63.4	68.1	73.4	79.3	85.8	93.6	102.8	100.7	97.7
of which Corn	49.8	48.8	49.1	51.8																	
of which Others	3.1	5.1	5.2	4.8																	
Stock Change	13.2	-2.5	3.8	-12.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 62

USA	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	84.4	82.3	84.8	89.8	88.3	89.6	91.0	92.4	94.1	95.8	97.6	99.4	101.2	110.7	121.2	132.7	145.4	159.3	174.6	191.3	209.7
of which Soybean	74.6	72.2	75.1	79.1	77.9	79.1	80.4	81.7	83.3	84.9	86.6	88.3	90.0	99.1	109.2	120.3	132.5	146.0	160.8	177.2	195.2
of which Others	9.8	10.1	9.8	10.7	10.4	10.5	10.6	10.8	10.8	10.9	11.0	11.1	11.2	11.6	12.0	12.4	12.8	13.3	13.7	14.2	14.6
Food & Other Use	10.2	9.0	9.3	9.5	9.5	9.7	9.9	10.0	10.2	10.3	10.5	10.6	10.8	11.7	12.6	13.6	14.6	15.7	16.9	18.1	19.5
of which Soybean	5.5	3.8	4.0	4.1	4.1	4.2	4.3	4.4	4.4	4.5	4.6	4.7	4.8	5.2	5.7	6.2	6.8	7.4	8.1	8.8	9.5
of which Others	4.7	5.1	5.3	5.4	5.4	5.5	5.6	5.7	5.7	5.8	5.9	6.0	6.0	6.5	6.9	7.3	7.8	8.3	8.8	9.4	9.9
Crush	47.8	48.0	49.2	51.3	51.2	52.1	53.0	53.9	55.1	56.4	57.7	59.0	60.3	67.4	75.5	84.5	94.6	106.0	118.8	133.2	149.4
of which Soybean	43.3	43.0	44.7	45.7	46.1	46.9	47.8	48.6	49.8	51.0	52.2	53.5	54.8	61.7	69.6	78.4	88.3	99.5	112.1	126.3	142.2
of which Others	4.6	5.0	4.6	5.5	5.1	5.2	5.2	5.3	5.3	5.4	5.4	5.5	5.5	5.7	5.9	6.1	6.3	6.5	6.8	7.0	7.2
Trade	22.0	27.2	27.8	26.6	27.5	27.8	28.2	28.5	28.8	29.1	29.4	29.7	30.1	31.6	33.2	34.7	36.1	37.5	38.9	40.0	40.9
of which Soybean	21.8	27.0	27.5	25.9	27.7	28.0	28.3	28.7	29.0	29.4	29.7	30.1	30.4	32.2	33.9	35.7	37.4	39.1	40.7	42.1	43.4
of which Others	0.2	0.2	0.2	0.7	-0.1	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.3	-0.4	-0.6	-0.8	-1.0	-1.3	-1.6	-1.8	-2.2	-2.5
Stock Change	4.3	-1.8	-1.5	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meal																					
Production	36.5	36.5	37.9	39.1	39.1	39.8	40.5	41.2	42.2	43.2	44.2	45.2	46.3	51.9	58.2	65.3	73.3	82.3	92.5	103.9	116.7
of which Soybean	34.3	34.1	35.7	36.7	36.7	37.4	38.1	38.8	39.7	40.7	41.6	42.7	43.7	49.2	55.4	62.5	70.4	79.3	89.3	100.6	113.4
of which Others	2.2	2.4	2.2	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.6	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4
Use	31.0	30.9	32.0	33.2	33.7	34.6	35.6	36.5	37.5	38.4	39.4	40.5	41.5	47.2	53.6	60.9	69.1	78.3	88.5	100.0	112.9
Trade	5.5	5.7	5.8	5.9	5.4	5.2	5.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.4	4.2	4.1	4.0	3.9	3.9
Stock Change	0.0	0.0	0.1	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 63

Canada	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Wheat																					
Production	24.1	26.9	26.8	21.3	25.2	25.2	25.3	25.4	25.6	25.9	26.2	26.4	26.7	28.1	29.6	31.2	32.9	34.7	36.5	38.5	40.5
Feed Use	4.1	4.0	4.4	4.4	4.4	4.5	4.6	4.6	4.7	4.8	4.9	5.0	5.0	5.5	5.9	6.3	6.7	7.2	7.6	8.0	8.4
Food & Other Use	4.0	4.0	4.0	4.2	4.2	4.2	4.3	4.3	4.4	4.4	4.5	4.5	4.6	4.8	5.1	5.3	5.5	5.6	5.8	5.9	6.1
Domestic Use	8.1	8.0	8.4	8.6	8.6	8.7	8.8	9.0	9.1	9.2	9.3	9.5	9.6	10.3	10.9	11.6	12.2	12.8	13.3	13.9	14.5
Trade	14.6	19.0	17.4	14.5	16.6	16.5	16.5	16.4	16.5	16.7	16.8	17.0	17.1	17.9	18.7	19.6	20.7	21.9	23.2	24.6	26.0
Stock Change	1.4	-0.1	1.1	-1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rice																					
Production	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.7
Domestic Use	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.7
Trade	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.4	-0.4	-0.4	-0.5	-0.5	-0.6	-0.6	-0.7
Stock Change	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coarse Grain																					
Production	25.6	26.0	23.7	21.7	24.4	24.7	25.0	25.3	25.5	25.8	26.2	26.5	26.8	28.5	30.2	32.1	34.2	36.5	39.0	41.7	44.7
of which Corn	9.0	9.2	6.8	7.8	8.3	8.5	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.9	12.1	13.4	14.9	16.6	18.4	20.5	22.7
of which Others	16.7	16.8	16.9	13.9	16.1	16.2	16.3	16.4	16.5	16.6	16.8	16.9	17.0	17.6	18.1	18.7	19.3	19.9	20.6	21.3	22.0
Feed Use	19.4	19.4	19.9	19.1	20.1	20.5	20.8	21.1	21.5	21.8	22.1	22.5	22.8	24.6	26.4	28.2	29.8	31.5	33.0	34.6	36.2
Food & Other Use	3.4	3.5	3.7	3.6	3.7	3.8	3.9	3.9	4.0	4.1	4.1	4.2	4.3	4.6	5.0	5.4	5.7	6.1	6.4	6.8	7.1
Domestic Use	22.8	22.9	23.6	22.7	23.8	24.2	24.6	25.1	25.5	25.9	26.3	26.7	27.1	29.2	31.4	33.5	35.6	37.6	39.5	41.4	43.4
Trade	2.3	2.7	0.8	-0.2	0.6	0.4	0.3	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.8	-1.2	-1.4	-1.3	-1.0	-0.5	0.4	1.4
of which Corn	0.1	-0.3	-2.5	-1.8																	
of which Others	2.3	3.0	3.3	1.6																	
Stock Change	0.5	0.4	-0.7	-0.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 64

Canada	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	10.5	11.7	9.9	7.0	10.3	10.7	11.2	11.6	11.9	12.2	12.6	12.9	13.2	14.0	14.8	15.7	16.6	17.4	18.3	19.2	20.1
of which Soybean	2.7	2.8	2.7	2.1	2.6	2.7	2.7	2.8	2.8	2.9	3.0	3.0	3.1	3.4	3.6	3.9	4.2	4.4	4.6	4.8	5.0
of which Others	7.8	8.9	7.2	4.9	7.6	8.0	8.4	8.9	9.1	9.3	9.6	9.9	10.1	10.7	11.2	11.8	12.4	13.0	13.7	14.4	15.1
Food & Other Use	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.5
of which Soybean	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.8	0.9	0.9	1.0	1.0	1.1
of which Others	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.3	1.3
Crush	4.6	4.7	4.9	4.7	5.3	5.5	5.7	6.0	6.1	6.3	6.5	6.7	6.8	7.3	7.9	8.5	9.1	9.8	10.4	11.2	12.0
of which Soybean	1.6	1.7	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.5	2.8	3.2	3.5	3.9	4.3	4.7	5.1
of which Others	3.1	3.0	3.1	2.9	3.5	3.6	3.8	4.0	4.1	4.2	4.3	4.5	4.6	4.8	5.1	5.3	5.6	5.9	6.2	6.5	6.8
Trade	4.3	4.2	4.6	1.8	3.6	3.8	4.0	4.2	4.4	4.5	4.6	4.7	4.8	5.0	5.2	5.3	5.4	5.5	5.6	5.7	5.7
of which Soybean	0.6	0.5	0.5	-0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	-0.1	-0.2	-0.4	-0.7	-0.9	-1.2
of which Others	3.7	3.7	4.1	2.0	3.4	3.6	3.8	4.0	4.1	4.2	4.4	4.5	4.6	4.9	5.1	5.4	5.6	5.9	6.2	6.6	6.9
Stock Change	0.4	1.5	-0.8	-0.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meal																					
Production	3.0	3.0	3.1	3.0	3.4	3.5	3.7	3.8	3.9	4.0	4.1	4.3	4.4	4.7	5.1	5.5	5.9	6.4	6.9	7.4	7.9
of which Soybean	1.2	1.3	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.8	2.0	2.2	2.5	2.7	3.0	3.3	3.7	4.0
of which Others	1.7	1.7	1.8	1.7	2.0	2.1	2.2	2.3	2.3	2.4	2.5	2.5	2.6	2.7	2.9	3.0	3.2	3.4	3.5	3.7	3.9
Use	2.5	2.3	2.7	2.8	2.7	2.8	2.9	2.9	3.0	3.1	3.2	3.2	3.3	3.8	4.2	4.7	5.2	5.8	6.3	6.9	7.6
Trade	0.5	0.7	0.4	0.2	0.7	0.7	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3
Stock Change	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 65

Mexico	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Wheat																					
Production	3.2	3.1	3.3	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.4	3.4	3.4	3.5	3.5
Feed Use	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7
Food & Other Use	5.2	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.7	7.2	7.7	8.2	8.6	9.0	9.4	9.7
Domestic Use	5.4	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.7	6.8	7.3	7.8	8.3	8.8	9.3	9.7	10.1	10.4
Trade	-2.2	-2.5	-2.4	-2.8	-2.8	-2.9	-3.0	-3.1	-3.2	-3.3	-3.4	-3.5	-3.6	-4.1	-4.5	-5.0	-5.4	-5.9	-6.2	-6.6	-6.9
Stock Change	0.0	-0.1	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rice																					
Production	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.1
Domestic Use	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.1
Trade	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.6	-0.7	-0.7	-0.8	-0.8	-0.9	-0.9	-0.9
Stock Change	0.0	0.1	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coarse Grain																					
Production	24.7	26.2	24.0	25.8	26.7	27.3	28.0	28.8	29.4	30.0	30.6	31.3	31.9	35.5	39.4	43.3	47.6	52.4	57.3	62.7	68.6
of which Corn	17.8	19.2	17.7	19.0	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.6	26.5	29.7	33.0	36.7	40.9	45.1	49.8	55.0
of which Others	6.9	6.9	6.3	6.8	7.1	7.3	7.5	7.7	7.8	7.9	8.0	8.2	8.3	9.0	9.7	10.3	10.9	11.5	12.2	12.9	13.6
Feed Use	17.5	19.1	19.4	19.3	21.3	22.3	23.4	24.6	25.7	27.0	28.2	29.6	31.0	38.8	48.3	59.8	73.5	89.7	109.0	118.0	119.8
Food & Other Use	16.0	16.2	15.9	16.3	16.6	16.9	17.1	17.4	17.6	17.8	18.0	18.3	18.5	19.6	20.6	21.5	22.3	23.1	23.7	24.2	24.5
Domestic Use	33.5	35.4	35.4	35.6	37.9	39.2	40.5	41.9	43.3	44.8	46.3	47.9	49.5	58.4	68.9	81.3	95.8	112.8	132.6	142.2	144.3
Trade	-9.1	-9.7	-10.7	-9.9	-11.2	-11.8	-12.5	-13.2	-13.9	-14.8	-15.6	-16.6	-17.6	-22.9	-29.5	-37.9	-48.2	-60.4	-75.4	-79.5	-75.7
of which Corn	-5.6	-4.6	-5.7	-5.6																	
of which Others	-3.5	-5.1	-5.0	-4.3																	
Stock Change	0.3	0.5	-0.7	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 66

Mexico	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
of which Soybean	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
of which Others	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Food & Other Use	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6
of which Soybean	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
of which Others	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
Crush	5.3	5.4	5.9	6.1	6.2	6.5	6.7	7.0	7.3	7.6	7.9	8.2	8.6	10.5	12.9	15.7	19.1	23.0	27.5	32.8	39.0
of which Soybean	4.0	4.1	4.5	4.6	4.9	5.2	5.5	5.8	6.1	6.4	6.8	7.2	7.6	9.7	12.2	15.1	18.7	22.6	27.2	32.6	38.8
of which Others	1.3	1.3	1.4	1.5	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.1	1.0	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2
Trade	-4.8	-5.3	-5.8	-5.8	-6.1	-6.4	-6.7	-7.0	-7.2	-7.6	-7.9	-8.3	-8.6	-10.6	-13.0	-15.9	-19.4	-23.3	-27.9	-33.2	-39.4
of which Soybean	-3.8	-4.0	-4.4	-4.5	-4.8	-5.1	-5.4	-5.7	-6.0	-6.4	-6.7	-7.1	-7.5	-9.6	-12.1	-15.0	-18.6	-22.5	-27.1	-32.5	-38.7
of which Others	-1.0	-1.3	-1.4	-1.3	-1.3	-1.3	-1.3	-1.2	-1.2	-1.2	-1.2	-1.1	-1.1	-1.0	-0.9	-0.9	-0.8	-0.8	-0.7	-0.7	-0.7
Stock Change	-0.1	0.1	0.0	-0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meal																					
Production	3.8	4.0	4.3	4.3	4.6	4.8	5.0	5.2	5.5	5.7	6.0	6.3	6.6	8.1	10.0	12.3	15.1	18.2	21.8	26.0	30.9
of which Soybean	3.2	3.3	3.5	3.6	3.9	4.1	4.3	4.6	4.9	5.1	5.4	5.7	6.0	7.7	9.7	12.0	14.8	18.0	21.6	25.9	30.8
of which Others	0.7	0.7	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.1	0.1
Use	4.1	4.4	4.7	4.7	5.0	5.3	5.5	5.8	6.0	6.3	6.6	6.9	7.2	8.9	11.0	13.5	16.5	19.9	24.0	28.7	34.2
Trade	-0.3	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.8	-1.0	-1.2	-1.4	-1.8	-2.2	-2.7	-3.3
Stock Change	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 67

Brazil	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Wheat																					
Production	2.2	2.4	1.7	3.2	2.5	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.2	4.4
Feed Use	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Food & Other Use	8.9	9.3	9.3	9.4	9.5	9.6	9.7	9.7	9.8	9.9	10.0	10.0	10.1	10.4	10.7	10.9	11.1	11.2	11.3	11.3	11.3
Domestic Use	9.1	9.5	9.5	9.6	9.7	9.8	9.9	9.9	10.0	10.1	10.2	10.2	10.3	10.6	10.9	11.1	11.3	11.4	11.5	11.5	11.5
Trade	-7.1	-7.6	-7.2	-6.5	-7.2	-7.3	-7.3	-7.4	-7.4	-7.5	-7.5	-7.5	-7.6	-7.7	-7.8	-7.8	-7.8	-7.7	-7.6	-7.4	-7.1
Stock Change	0.2	0.5	-0.6	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rice																					
Production	7.9	7.8	7.1	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.1	7.1	7.0	7.0	7.0	6.9
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	8.0	8.0	8.0	8.0	8.0	8.1	8.1	8.1	8.2	8.2	8.2	8.2	8.2	8.3	8.3	8.3	8.2	8.1	8.0	7.8	7.7
Domestic Use	8.0	8.0	8.0	8.0	8.0	8.1	8.1	8.1	8.2	8.2	8.2	8.2	8.2	8.3	8.3	8.3	8.2	8.1	8.0	7.8	7.7
Trade	-0.9	-0.6	-0.5	-0.5	-0.7	-0.8	-0.8	-0.8	-0.9	-0.9	-0.9	-1.0	-1.0	-1.1	-1.1	-1.2	-1.1	-1.1	-1.0	-0.9	-0.8
Stock Change	0.8	0.4	-0.4	-0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coarse Grain																					
Production	33.5	32.5	42.1	37.1	41.8	44.3	46.9	49.8	52.7	55.9	59.3	62.8	66.6	80.0	94.1	104.1	121.0	138.8	153.7	167.7	172.7
of which Corn	32.4	31.6	41.0	36.0	40.6	43.1	45.7	48.5	51.5	54.6	57.9	61.4	65.2	78.3	92.0	101.7	118.1	135.4	149.6	162.8	166.9
of which Others	1.1	0.9	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.7	2.1	2.4	2.9	3.4	4.1	4.9	5.8
Feed Use	29.0	28.4	32.4	33.8	32.8	33.4	34.1	34.7	35.3	36.0	36.6	37.3	37.9	41.2	44.5	47.9	51.3	54.7	58.0	61.4	64.7
Food & Other Use	5.9	5.6	4.5	4.5	5.1	5.2	5.3	5.4	5.6	5.7	5.8	5.9	6.0	6.6	7.1	7.7	8.2	8.7	9.1	9.5	9.9
Domestic Use	34.9	34.1	36.9	38.3	37.9	38.6	39.4	40.2	40.9	41.6	42.4	43.2	44.0	47.8	51.7	55.6	59.5	63.3	67.2	70.9	74.7
Trade	-1.3	-1.1	2.5	0.3	3.9	5.7	7.6	9.6	11.9	14.3	16.9	19.7	22.7	32.2	42.4	48.6	61.5	75.5	86.5	96.8	98.0
of which Corn	-1.1	-1.0	3.3	0.5																	
of which Others	-0.1	-0.1	-0.7	-0.2																	
Stock Change	-0.1	-0.4	2.7	-1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 68

Brazil	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	32.3	35.6	40.3	41.7	41.9	43.4	44.9	46.5	48.8	51.3	54.0	56.8	59.7	77.0	96.8	117.5	139.2	156.0	180.5	206.4	236.1
of which Soybean	31.3	34.2	38.5	40.0	40.4	41.9	43.5	45.1	47.6	50.1	52.8	55.6	58.6	76.2	96.1	116.9	138.8	155.6	180.3	206.2	235.9
of which Others	1.0	1.4	1.8	1.7	1.5	1.5	1.4	1.3	1.3	1.2	1.2	1.1	1.1	0.9	0.7	0.6	0.4	0.4	0.3	0.2	0.2
Food & Other Use	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.4	2.5	2.7	2.9	3.1	3.3	3.4	3.6	3.8
of which Soybean	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0	2.1	2.2	2.4	2.6	2.8	2.9	3.1	3.2	3.4
of which Others	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
Crush	22.4	22.5	22.7	24.3	24.1	24.6	25.1	25.6	26.2	26.9	27.5	28.2	28.9	34.6	38.3	42.0	46.1	50.3	58.2	64.8	72.3
of which Soybean	21.6	21.5	21.5	23.3	23.1	23.6	24.1	24.7	25.3	26.0	26.8	27.5	28.2	34.0	37.8	41.6	45.8	50.1	58.0	64.7	72.2
of which Others	0.8	1.0	1.2	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.2	0.2	0.1
Trade	8.0	11.0	15.2	14.9	15.7	16.7	17.7	18.7	20.4	22.2	24.2	26.2	28.4	39.9	55.8	72.6	90.1	102.4	118.9	138.0	160.0
of which Soybean	8.0	11.0	15.3	14.9	15.5	16.5	17.5	18.5	20.3	22.1	24.0	26.1	28.3	39.9	55.9	72.7	90.3	102.7	119.2	138.3	160.3
of which Others	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	-0.1	-0.1	-0.2	-0.2	-0.3	-0.3	-0.3
Stock Change	0.0	0.1	0.4	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meal																					
Production	17.2	17.3	17.6	19.0	18.7	19.1	19.4	19.8	20.3	20.8	21.4	21.9	22.5	26.9	29.8	32.7	35.9	39.2	45.4	50.6	56.4
of which Soybean	16.8	16.7	16.7	18.2	18.0	18.4	18.8	19.2	19.8	20.3	20.9	21.4	22.0	26.5	29.5	32.4	35.7	39.1	45.2	50.5	56.3
of which Others	0.4	0.6	0.9	0.8	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.1
Use	6.6	7.3	7.9	7.8	8.3	8.7	9.1	9.5	9.9	10.3	10.7	11.1	11.6	14.1	17.1	19.3	20.6	22.0	23.3	24.7	26.0
Trade	10.6	10.0	9.6	11.1	10.3	10.4	10.4	10.4	10.5	10.6	10.7	10.8	10.9	12.8	12.7	13.4	15.3	17.2	22.0	25.9	30.4
Stock Change	0.0	0.0	0.2	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 69

Argentina	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Wheat																					
Production	12.4	15.7	16.0	15.3	18.2	18.4	18.7	19.0	19.2	19.5	19.8	20.1	20.3	21.8	23.1	24.6	26.1	27.7	29.4	31.2	33.1
Feed Use	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Food & Other Use	3.9	4.0	4.1	4.3	4.2	4.2	4.2	4.3	4.3	4.3	4.4	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.0	5.0	5.0
Domestic Use	4.1	4.1	4.3	4.5	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.9	5.0	5.1	5.2	5.3	5.3	5.3	5.3
Trade	8.4	11.6	11.5	13.7	13.8	14.0	14.2	14.5	14.7	14.9	15.2	15.4	15.6	16.9	18.1	19.5	20.9	22.4	24.1	25.9	27.8
Stock Change	-0.1	0.0	0.2	-2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rice																					
Production	1.1	0.6	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.9	1.0	1.2	1.4	1.6	1.8	2.1	2.5
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.8
Domestic Use	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.8
Trade	0.6	0.5	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.8	1.0	1.2	1.4	1.7
Stock Change	0.2	-0.2	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coarse Grain																					
Production	17.7	21.4	19.2	19.4	21.4	22.2	23.0	23.8	24.8	25.7	26.7	27.8	28.9	35.4	43.7	54.1	58.1	62.6	67.4	72.6	78.3
of which Corn	13.5	17.2	15.3	15.5	17.5	18.4	19.2	20.2	21.1	22.1	23.2	24.3	25.4	32.1	40.4	51.0	55.2	59.7	64.7	70.0	75.8
of which Others	4.2	4.2	4.0	3.9	3.9	3.8	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.3	3.2	3.1	3.0	2.8	2.7	2.6	2.5
Feed Use	8.0	7.1	7.0	7.9	7.6	7.7	7.8	8.0	8.1	8.2	8.3	8.5	8.6	9.2	9.8	10.4	11.0	11.6	12.1	12.6	13.1
Food & Other Use	2.0	1.6	1.8	2.1	2.0	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.5	2.8	3.1	3.5	3.8	4.1	4.5	4.8	5.1
Domestic Use	10.0	8.7	8.8	10.0	9.5	9.7	9.9	10.1	10.3	10.5	10.7	10.9	11.1	12.0	13.0	13.9	14.8	15.7	16.6	17.4	18.2
Trade	8.6	12.7	10.4	9.3	11.9	12.5	13.1	13.7	14.5	15.2	16.0	16.9	17.8	23.4	30.7	40.2	43.3	46.9	50.8	55.2	60.2
of which Corn	7.9	11.8	9.5	8.5																	
of which Others	0.7	0.9	0.9	0.8																	
Stock Change	-0.8	-0.1	0.1	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 70

Argentina	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	27.8	27.8	29.8	31.9	32.2	33.5	34.8	36.2	37.6	39.1	40.7	42.3	44.0	53.7	65.6	80.3	91.1	103.5	114.9	124.7	135.3
of which Soybean	20.0	21.2	26.0	27.2	27.0	28.2	29.5	30.8	32.1	33.6	35.0	36.6	38.2	47.3	58.7	72.8	83.0	94.7	105.4	114.4	124.1
of which Others	7.8	6.6	3.8	4.7	5.2	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.4	6.9	7.5	8.1	8.8	9.5	10.3	11.2
Food & Other Use	0.8	1.0	1.1	0.7	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
of which Soybean	0.6	0.8	1.0	0.6	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8
of which Others	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Crush	23.7	22.5	21.9	22.7	23.6	24.2	24.8	25.5	25.9	26.4	26.8	27.3	27.8	31.0	34.5	40.1	40.8	46.2	49.0	52.7	57.1
of which Soybean	17.1	16.5	18.6	18.6	19.0	19.6	20.1	20.7	21.1	21.4	21.8	22.2	22.6	25.4	28.4	33.5	33.7	38.4	40.7	43.6	47.3
of which Others	6.6	6.0	3.3	4.2	4.5	4.6	4.7	4.8	4.9	4.9	5.0	5.1	5.2	5.6	6.1	6.6	7.1	7.7	8.4	9.1	9.9
Trade	3.8	4.1	6.3	8.5	7.6	8.3	9.0	9.7	10.7	11.7	12.8	13.9	15.1	21.5	29.7	38.7	48.7	55.6	64.1	70.1	76.1
of which Soybean	2.7	3.7	6.0	8.0	7.2	7.8	8.5	9.2	10.1	11.2	12.2	13.4	14.6	20.9	29.1	38.0	47.9	54.8	63.1	69.1	75.0
of which Others	1.1	0.4	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.9	0.9	1.0	1.1
Stock Change	-0.4	0.3	0.6	-0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meal																					
Production	16.3	15.5	16.7	16.7	17.2	17.7	18.2	18.7	19.0	19.3	19.7	20.0	20.4	22.7	25.4	29.7	30.1	34.1	36.2	38.8	42.2
of which Soybean	13.5	13.2	15.1	15.0	15.2	15.7	16.1	16.6	16.9	17.2	17.5	17.8	18.1	20.3	22.8	26.9	27.0	30.8	32.6	34.9	37.9
of which Others	2.8	2.3	1.7	1.7	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.4	2.6	2.9	3.1	3.3	3.6	3.9	4.3
Use	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.9	1.1	1.4	1.7	2.1	2.6	3.2	4.0
Trade	15.8	15.5	16.3	16.3	16.7	17.2	17.6	18.1	18.4	18.7	19.0	19.4	19.7	21.9	24.3	28.3	28.4	32.0	33.6	35.6	38.2
Stock Change	0.1	-0.4	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 71

Other Latin America	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Wheat																					
Production	2.3	2.3	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7
Feed Use	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
Food & Other Use	10.3	10.8	11.1	11.3	11.4	11.6	11.8	11.9	12.1	12.3	12.5	12.6	12.8	13.7	14.5	15.3	16.0	16.7	17.3	17.8	18.3
Domestic Use	10.6	11.0	11.3	11.6	11.7	11.8	12.0	12.2	12.4	12.6	12.7	12.9	13.1	14.0	14.8	15.6	16.4	17.1	17.7	18.2	18.7
Trade	-8.3	-8.7	-8.8	-8.9	-9.2	-9.3	-9.5	-9.7	-9.9	-10.0	-10.2	-10.4	-10.6	-11.4	-12.2	-13.0	-13.8	-14.4	-15.0	-15.5	-15.9
Stock Change	0.1	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rice																					
Production	5.7	6.4	5.9	5.9	6.3	6.4	6.6	6.7	6.9	7.0	7.2	7.3	7.5	8.4	9.3	10.4	11.6	13.0	14.5	16.1	18.0
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	6.0	6.4	6.5	6.5	6.8	7.0	7.1	7.3	7.5	7.7	7.8	8.0	8.2	9.2	10.2	11.3	12.5	13.6	14.8	16.0	17.2
Domestic Use	6.0	6.4	6.5	6.5	6.8	7.0	7.1	7.3	7.5	7.7	7.8	8.0	8.2	9.2	10.2	11.3	12.5	13.6	14.8	16.0	17.2
Trade	-0.4	-0.2	-0.4	-0.5	-0.5	-0.5	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.8	-0.9	-0.9	-0.8	-0.6	-0.3	0.2	0.8
Stock Change	0.1	0.2	-0.2	-0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coarse Grain																					
Production	10.4	11.0	11.3	11.7	11.7	11.9	12.1	12.3	12.5	12.7	12.9	13.1	13.3	14.4	15.6	17.0	18.5	20.1	21.9	23.9	26.0
of which Corn	8.5	9.1	9.3	9.7	9.7	9.9	10.1	10.3	10.5	10.7	10.9	11.1	11.3	12.4	13.7	15.0	16.5	18.2	20.0	21.9	24.1
of which Others	2.0	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9
Feed Use	11.7	12.7	12.8	13.2	14.0	14.6	15.3	15.9	16.6	17.3	18.0	18.7	19.5	23.8	28.8	34.7	41.5	49.3	58.3	68.5	80.2
Food & Other Use	7.4	7.4	7.6	7.7	7.7	7.7	7.8	7.8	7.9	7.9	8.0	8.0	8.0	8.1	8.1	8.0	7.8	7.5	7.1	6.6	5.9
Domestic Use	19.1	20.1	20.4	21.0	21.7	22.4	23.1	23.8	24.5	25.2	25.9	26.7	27.5	31.9	37.0	42.7	49.4	56.9	65.4	75.1	86.1
Trade	-8.5	-9.3	-9.0	-9.3	-10.0	-10.5	-11.0	-11.5	-12.0	-12.5	-13.1	-13.6	-14.2	-17.5	-21.3	-25.8	-30.9	-36.8	-43.5	-51.2	-60.1
of which Corn	-8.2	-9.0	-8.8	-9.1																	
of which Others	-0.3	-0.3	-0.2	-0.2																	
Stock Change	-0.1	0.2	0.0	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 72

Other Latin America	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	5.1	5.0	5.1	5.2	5.4	5.6	5.8	6.0	6.2	6.3	6.5	6.7	6.9	8.0	9.0	10.0	11.2	12.5	13.8	15.2	16.7
of which Soybean	4.2	4.3	4.6	4.8	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5	7.6	8.7	9.8	10.9	12.3	13.6	15.0	16.6
of which Others	0.9	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.1
Food & Other Use	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.8	0.9	0.9	1.0	1.1	1.2
of which Soybean	0.3	0.3	0.4	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.9
of which Others	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
Crush	2.9	3.1	3.2	3.3	3.6	3.8	4.0	4.2	4.5	4.8	5.2	5.5	5.8	7.5	9.6	11.8	14.6	17.2	20.3	23.8	27.8
of which Soybean	2.2	2.5	2.7	2.7	3.0	3.2	3.5	3.7	4.0	4.4	4.7	5.1	5.4	7.1	9.3	11.6	14.3	17.0	20.1	23.6	27.6
of which Others	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.1
Trade	1.7	1.4	1.5	1.7	1.4	1.4	1.3	1.3	1.1	1.0	0.8	0.7	0.5	-0.2	-1.3	-2.6	-4.3	-5.7	-7.5	-9.7	-12.2
of which Soybean	1.7	1.5	1.5	1.8	1.5	1.5	1.5	1.4	1.3	1.1	1.0	0.8	0.7	0.0	-1.1	-2.4	-4.0	-5.4	-7.3	-9.4	-11.9
of which Others	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.3	-0.3
Stock Change	0.0	0.0	-0.1	-0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meal																					
Production	2.0	2.2	2.3	2.3	2.6	2.7	2.9	3.1	3.3	3.6	3.8	4.1	4.4	5.7	7.3	9.1	11.2	13.3	15.6	18.3	21.4
of which Soybean	1.7	1.9	2.1	2.2	2.3	2.5	2.7	2.9	3.1	3.4	3.6	3.9	4.2	5.5	7.2	8.9	11.1	13.2	15.6	18.3	21.4
of which Others	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Use	4.4	4.7	4.8	5.0	5.4	5.7	6.0	6.3	6.6	7.0	7.3	7.6	7.9	9.6	11.7	14.0	16.7	19.9	23.5	27.6	32.3
Trade	-2.4	-2.5	-2.4	-2.6	-2.8	-2.9	-3.1	-3.2	-3.3	-3.4	-3.5	-3.5	-3.5	-4.0	-4.4	-5.0	-5.6	-6.6	-7.8	-9.2	-10.8
Stock Change	0.0	0.0	-0.2	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 73

Western Europe	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Wheat																					
Production	104.0	97.7	105.8	92.8	105.9	107.2	108.5	109.8	111.1	112.5	113.8	115.2	116.6	121.9	127.5	133.3	139.4	145.7	152.4	159.4	166.6
Feed Use	44.5	43.1	47.9	44.5	47.1	48.0	49.0	50.1	51.1	52.1	53.1	54.2	55.2	60.7	66.5	72.6	78.9	85.4	91.9	98.5	105.2
Food & Other Use	45.3	45.7	45.9	45.8	46.3	46.5	46.7	47.0	47.2	47.4	47.6	47.8	48.0	48.8	49.4	49.9	50.2	50.2	50.0	49.6	49.0
Domestic Use	89.7	88.8	93.8	90.3	93.3	94.6	95.8	97.0	98.2	99.4	100.7	101.9	103.2	109.5	115.9	122.5	129.1	135.6	141.9	148.1	154.3
Trade	10.2	12.5	10.4	7.1	12.6	12.7	12.7	12.8	12.9	13.0	13.1	13.3	13.4	12.4	11.5	10.8	10.3	10.2	10.5	11.2	12.4
Stock Change	4.1	-3.7	1.5	-4.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rice																					
Production	1.7	1.8	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.2	2.2	2.3
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.4	2.5	2.7	2.8	2.9	3.0	3.1	3.2	3.2
Domestic Use	2.1	2.2	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.4	2.5	2.7	2.8	2.9	3.0	3.1	3.2	3.2
Trade	-0.5	-0.5	-0.5	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.8	-0.9	-0.9	-0.9	-0.9	-0.9
Stock Change	0.1	0.1	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coarse Grain																					
Production	95.7	94.5	98.8	97.4	98.0	98.6	99.2	99.8	100.4	101.1	101.9	102.6	103.4	107.4	112.0	117.2	123.1	129.6	136.9	143.2	150.1
of which Corn	35.5	37.4	38.6	40.6	40.5	41.3	42.1	42.9	43.8	44.7	45.6	46.5	47.4	52.4	57.9	63.9	70.6	77.9	86.1	93.2	100.9
of which Others	60.3	57.1	60.2	56.8	57.5	57.3	57.1	56.8	56.6	56.5	56.3	56.1	55.9	55.0	54.2	53.3	52.5	51.7	50.8	50.0	49.3
Feed Use	68.8	67.6	70.5	71.0	72.2	73.4	74.7	76.0	77.3	78.5	79.8	81.2	82.5	89.2	96.1	103.2	110.3	117.3	124.2	130.8	137.3
Food & Other Use	22.2	21.7	21.8	21.9	22.0	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	23.4	23.8	24.1	24.2	24.3	24.3	24.1	23.9
Domestic Use	91.1	89.3	92.3	92.9	94.2	95.6	97.0	98.4	99.8	101.2	102.6	104.0	105.4	112.6	119.9	127.2	134.5	141.6	148.4	154.9	161.2
Trade	4.7	7.7	5.4	6.6	3.8	3.0	2.2	1.3	0.7	0.0	-0.7	-1.4	-2.1	-5.2	-7.8	-10.0	-11.5	-12.0	-11.5	-11.7	-11.1
of which Corn	-3.1	-2.2	-2.6	-2.5																	
of which Others	7.8	10.0	8.0	9.2																	
Stock Change	0.0	-2.4	1.1	-2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 74

Western Europe	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	15.2	16.7	14.4	14.4	15.8	16.1	16.5	16.8	17.2	17.5	17.9	18.3	18.7	20.7	23.0	25.6	28.5	31.6	35.2	39.1	43.5
of which Soybean	1.5	1.2	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.4	1.5	1.5	1.6	1.7	1.7
of which Others	13.7	15.5	13.3	13.2	14.6	15.0	15.3	15.6	16.0	16.3	16.7	17.0	17.4	19.4	21.7	24.2	27.0	30.1	33.6	37.5	41.8
Food & Other Use	3.5	3.3	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.6	3.7	3.8	3.9	4.0	4.2	4.2	4.3	4.4	4.4
of which Soybean	1.5	1.2	1.4	1.5	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.7	1.8	1.9	1.9	2.0	2.0	2.1
of which Others	1.9	2.0	1.9	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3
Crush	31.3	29.8	30.3	30.3	31.4	32.1	32.7	33.4	34.1	34.8	35.5	36.2	36.9	40.7	44.8	49.3	54.1	59.3	64.8	70.7	77.1
of which Soybean	16.7	14.8	15.7	16.5	16.3	16.6	16.9	17.3	17.6	17.9	18.2	18.6	18.9	20.6	22.4	24.3	26.2	28.2	30.1	32.0	33.9
of which Others	14.6	15.0	14.6	13.7	15.1	15.4	15.8	16.1	16.5	16.9	17.2	17.6	18.0	20.1	22.4	25.0	27.9	31.1	34.7	38.7	43.2
Trade	-19.6	-16.4	-19.0	-18.4	-19.0	-19.4	-19.7	-20.1	-20.5	-20.8	-21.2	-21.5	-21.9	-23.8	-25.7	-27.7	-29.8	-31.9	-33.9	-36.0	-38.0
of which Soybean	-16.5	-15.0	-16.0	-16.8	-16.6	-16.9	-17.2	-17.6	-17.9	-18.2	-18.5	-18.9	-19.2	-21.0	-22.8	-24.7	-26.6	-28.6	-30.5	-32.4	-34.3
of which Others	-3.1	-1.3	-3.0	-1.6	-2.5	-2.5	-2.5	-2.6	-2.6	-2.6	-2.6	-2.7	-2.7	-2.8	-2.9	-3.1	-3.2	-3.3	-3.4	-3.6	-3.7
Stock Change	0.1	-0.1	-0.3	-0.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meal																					
Production	21.4	20.1	20.5	20.5	21.3	21.7	22.1	22.6	23.0	23.5	24.0	24.4	24.9	27.4	30.1	33.1	36.2	39.5	43.0	46.7	50.7
of which Soybean	13.3	11.8	12.5	13.1	13.0	13.2	13.5	13.7	14.0	14.2	14.5	14.8	15.0	16.4	17.8	19.3	20.8	22.4	23.9	25.4	27.0
of which Others	8.1	8.3	8.0	7.3	8.3	8.5	8.7	8.9	9.1	9.3	9.5	9.7	9.9	11.0	12.3	13.7	15.3	17.1	19.1	21.3	23.8
Use	39.0	37.4	37.2	37.7	38.9	39.6	40.4	41.2	41.9	42.7	43.5	44.3	45.1	49.2	53.5	57.9	62.5	67.1	71.7	76.3	80.9
Trade	-17.9	-17.1	-16.6	-17.2	-17.6	-17.9	-18.3	-18.6	-18.9	-19.2	-19.5	-19.8	-20.2	-21.7	-23.3	-24.9	-26.3	-27.6	-28.7	-29.6	-30.2
Stock Change	0.2	-0.2	-0.1	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 75

Central Europe	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Wheat																					
Production	32.0	26.9	26.6	36.4	30.9	31.5	32.0	32.6	33.2	33.8	34.4	35.0	35.6	39.5	43.1	46.0	49.0	52.2	55.7	59.3	63.2
Feed Use	11.7	10.2	9.8	10.9	10.3	10.3	10.3	10.3	10.4	10.5	10.6	10.6	10.7	11.2	11.7	12.1	12.5	12.8	13.1	13.4	13.7
Food & Other Use	18.2	17.4	17.2	17.9	17.6	17.7	17.7	17.8	17.9	17.9	18.0	18.0	18.1	18.3	18.5	18.6	18.6	18.6	18.5	18.4	18.2
Domestic Use	29.9	27.6	27.0	28.8	27.9	27.9	28.0	28.1	28.2	28.4	28.5	28.7	28.8	29.6	30.2	30.7	31.1	31.4	31.6	31.8	31.9
Trade	2.5	2.5	0.0	3.6	3.0	3.5	4.0	4.5	5.0	5.4	5.8	6.3	6.8	9.9	13.0	15.3	17.9	20.8	24.0	27.5	31.3
Stock Change	-0.4	-3.2	-0.4	4.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rice																					
Production	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Domestic Use	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Trade	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.2	-0.2
Stock Change	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coarse Grain																					
Production	34.3	38.6	24.0	36.4	37.9	38.1	38.3	38.5	38.7	38.9	39.1	39.3	39.5	40.1	40.8	41.4	42.1	42.7	43.4	44.1	44.8
of which Corn	21.9	27.1	15.1	24.0	26.9	27.1	27.3	27.5	27.7	27.9	28.1	28.3	28.5	29.0	29.6	30.2	30.8	31.4	32.0	32.6	33.3
of which Others	12.4	11.5	9.0	12.4	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.1	11.2	11.2	11.3	11.3	11.4	11.4	11.5
Feed Use	27.7	29.3	19.3	24.7	24.4	24.4	24.4	24.4	24.6	24.8	25.1	25.3	25.5	26.7	27.7	28.7	29.6	30.5	31.2	31.9	32.6
Food & Other Use	6.6	6.6	6.7	7.5	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.0	7.0	6.9	6.8	6.7	6.6	6.5
Domestic Use	34.3	36.0	26.0	32.2	31.4	31.4	31.4	31.4	31.6	31.9	32.1	32.3	32.6	33.7	34.8	35.7	36.6	37.3	38.0	38.5	39.0
Trade	2.2	2.1	-0.2	2.5	6.5	6.7	6.9	7.1	7.1	7.0	7.0	7.0	6.9	6.4	6.0	5.7	5.5	5.4	5.4	5.6	5.8
of which Corn	2.1	2.0	0.2	2.2																	
of which Others	0.1	0.1	-0.4	0.3																	
Stock Change	-2.2	0.5	-1.8	1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 76

Central Europe	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	5.1	6.4	4.6	5.4	5.8	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.3	8.4	9.6	11.1	12.7	14.0	15.3	16.8	18.4
of which Soybean	0.4	0.5	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7
of which Others	4.6	5.8	4.3	4.9	5.3	5.5	5.7	5.9	6.0	6.2	6.4	6.6	6.8	7.9	9.1	10.5	12.2	13.4	14.7	16.2	17.8
Food & Other Use	0.3	0.4	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
of which Soybean	0.1	0.2	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
of which Others	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Crush	4.1	4.4	3.9	4.1	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	6.4	7.4	8.5	9.8	10.7	11.8	12.9	14.2
of which Soybean	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
of which Others	3.8	4.0	3.6	3.8	4.1	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.2	6.0	7.0	8.1	9.3	10.2	11.3	12.4	13.6
Trade	0.6	1.7	1.0	1.1	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.6	1.9	2.2	2.6	2.9	3.2	3.6	3.9
of which Soybean	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
of which Others	0.6	1.7	1.0	1.1	1.0	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.6	1.9	2.2	2.6	2.9	3.2	3.6	3.9
Stock Change	0.0	-0.1	-0.5	-0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meal																					
Production	2.3	2.4	1.9	2.2	2.4	2.4	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.4	3.9	4.5	5.2	5.7	6.2	6.8	7.5
of which Soybean	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
of which Others	2.0	2.1	1.7	1.9	2.1	2.2	2.2	2.3	2.4	2.5	2.5	2.6	2.7	3.1	3.6	4.2	4.8	5.3	5.8	6.4	7.0
Use	4.0	4.1	4.0	4.3	4.3	4.3	4.4	4.4	4.5	4.5	4.6	4.6	4.7	5.0	5.3	5.6	5.9	6.1	6.4	6.6	6.9
Trade	-1.6	-1.7	-2.2	-2.1	-1.9	-1.9	-1.8	-1.8	-1.8	-1.8	-1.8	-1.7	-1.7	-1.6	-1.4	-1.1	-0.7	-0.5	-0.2	0.2	0.6
Stock Change	-0.1	0.0	0.1	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 77

FSU-15	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Wheat																					
Production	57.6	66.2	64.4	92.3	76.3	77.5	78.7	80.0	81.2	82.5	83.8	85.1	86.5	93.5	101.1	107.2	112.2	117.5	121.5	122.4	123.4
Feed Use	17.3	18.0	16.6	20.9	19.9	20.7	21.5	22.3	22.6	23.0	23.4	23.8	24.2	26.4	28.7	31.0	33.5	36.2	39.1	41.9	44.9
Food & Other Use	48.7	49.3	48.5	49.4	49.0	48.9	48.9	48.8	48.8	48.9	48.9	48.9	49.0	49.3	49.4	49.2	49.1	49.0	48.7	48.3	47.7
Domestic Use	65.9	67.3	65.1	70.3	68.9	69.6	70.3	71.1	71.5	71.9	72.3	72.7	73.2	75.7	78.0	80.2	82.6	85.2	87.8	90.2	92.6
Trade	3.3	-0.6	-1.1	3.8	7.4	7.9	8.4	8.9	9.8	10.6	11.5	12.4	13.3	17.8	23.1	27.0	29.6	32.3	33.7	32.2	30.8
Stock Change	-11.6	-0.5	0.4	18.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rice																					
Production	0.8	0.9	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.7	1.9	2.0	2.2	2.4	2.6	2.8	3.1
Domestic Use	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.7	1.9	2.0	2.2	2.4	2.6	2.8	3.1
Trade	-0.7	-0.5	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.7	-0.8	-0.8	-0.8	-1.0	-1.1	-1.3	-1.5	-1.7	-1.9	-2.1	-2.3
Stock Change	0.2	0.0	-0.1	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coarse Grain																					
Production	33.9	35.5	43.4	53.8	48.0	48.4	48.8	49.2	49.8	50.3	50.9	51.5	52.1	55.0	58.2	61.5	64.6	67.8	71.1	74.6	78.3
of which Corn	5.3	5.0	7.2	4.8	6.3	6.5	6.6	6.7	6.8	6.9	7.1	7.2	7.3	8.0	8.8	9.6	10.3	11.0	11.7	12.5	13.3
of which Others	28.6	30.5	36.1	49.0	41.7	42.0	42.2	42.5	43.0	43.4	43.8	44.3	44.7	47.0	49.4	51.9	54.3	56.8	59.4	62.1	65.0
Feed Use	27.2	27.3	27.9	31.1	30.5	31.4	32.3	33.3	33.5	33.8	34.1	34.4	34.7	36.3	37.7	39.0	40.3	41.7	42.9	43.9	44.7
Food & Other Use	12.2	10.0	11.7	11.6	11.6	11.9	12.1	12.3	12.6	12.9	13.2	13.4	13.7	15.1	16.5	17.9	19.2	20.6	21.9	23.2	24.3
Domestic Use	39.4	37.3	39.6	42.7	42.1	43.2	44.4	45.6	46.2	46.7	47.3	47.8	48.4	51.4	54.2	56.9	59.5	62.2	64.8	67.0	69.0
Trade	0.8	-1.1	1.3	2.4	5.9	5.2	4.4	3.6	3.6	3.6	3.6	3.7	3.7	3.6	4.0	4.7	5.0	5.5	6.3	7.6	9.3
of which Corn	-0.2	-1.3	-0.1	-0.3																	
of which Others	1.0	0.2	1.5	2.7																	
Stock Change	-6.3	-0.7	2.4	8.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 78

FSU-15	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	9.1	11.2	11.5	9.1	11.2	11.5	11.8	12.1	12.3	12.5	12.7	12.9	13.2	14.4	15.7	17.1	18.6	20.1	21.7	23.4	25.2
of which Soybean	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.8	0.8	0.9	1.0	1.1	1.3
of which Others	8.8	10.8	11.1	8.7	10.7	11.0	11.3	11.6	11.8	12.0	12.2	12.4	12.6	13.8	15.0	16.3	17.8	19.1	20.6	22.2	24.0
Food & Other Use	0.9	1.0	1.0	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2
of which Soybean	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
of which Others	0.9	0.9	1.0	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.2	1.2
Crush	6.5	8.2	8.4	8.5	8.9	9.2	9.4	9.7	9.8	10.0	10.2	10.4	10.6	11.5	12.6	13.7	15.0	16.2	17.6	19.0	20.6
of which Soybean	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.8	0.9	1.0	1.1	1.3	1.5	1.6	1.8
of which Others	5.9	7.8	7.9	7.9	8.4	8.6	8.8	9.1	9.2	9.4	9.6	9.7	9.9	10.8	11.7	12.7	13.9	15.0	16.1	17.4	18.7
Trade	1.7	1.4	1.9	0.8	1.3	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.8	2.0	2.2	2.5	2.7	2.9	3.2	3.4
of which Soybean	-0.3	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.4	-0.5	-0.5	-0.6
of which Others	2.0	1.5	1.9	1.0	1.4	1.5	1.6	1.6	1.7	1.7	1.7	1.8	1.8	2.0	2.3	2.5	2.8	3.1	3.4	3.7	4.1
Stock Change	0.0	0.6	0.2	-1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meal																					
Production	2.9	3.8	3.9	3.5	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.6	4.7	5.2	5.7	6.2	6.8	7.4	8.0	8.7	9.4
of which Soybean	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.7	0.8	0.9	1.1	1.2	1.4	1.5
of which Others	2.5	3.4	3.5	3.0	3.5	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.5	4.9	5.4	5.8	6.3	6.8	7.3	7.9
Use	3.5	4.6	4.2	3.8	4.4	4.5	4.6	4.8	4.9	5.0	5.1	5.3	5.4	6.2	7.1	8.0	9.1	10.3	11.7	13.2	14.8
Trade	-0.7	-0.8	-0.2	-0.3	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.6	-0.7	-0.7	-1.0	-1.4	-1.8	-2.3	-3.0	-3.7	-4.5	-5.4
Stock Change	0.1	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 79

Japan	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Wheat																					
Production	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	1.0
Feed Use	0.8	0.7	0.6	0.9	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5
Food & Other Use	5.3	5.3	5.2	5.2	5.3	5.3	5.4	5.4	5.4	5.4	5.5	5.5	5.5	5.6	5.6	5.6	5.6	5.5	5.5	5.4	5.3
Domestic Use	6.1	5.9	5.8	6.0	6.0	6.0	6.1	6.1	6.1	6.1	6.2	6.2	6.2	6.3	6.3	6.2	6.2	6.1	6.0	6.0	5.9
Trade	-5.5	-5.3	-5.5	-5.2	-5.3	-5.3	-5.4	-5.4	-5.4	-5.4	-5.5	-5.5	-5.5	-5.5	-5.5	-5.4	-5.4	-5.3	-5.1	-5.0	-4.9
Stock Change	0.0	0.0	0.3	-0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rice																					
Production	8.2	8.4	8.6	8.5	8.3	8.3	8.2	8.1	8.1	8.0	7.9	7.9	7.8	7.5	7.1	6.8	6.5	6.3	6.0	5.7	5.5
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	9.1	9.5	9.3	9.3	9.3	9.2	9.2	9.2	9.1	9.1	9.0	9.0	8.9	8.6	8.2	7.8	7.3	6.9	6.5	6.1	5.7
Domestic Use	9.1	9.5	9.3	9.3	9.3	9.2	9.2	9.2	9.1	9.1	9.0	9.0	8.9	8.6	8.2	7.8	7.3	6.9	6.5	6.1	5.7
Trade	-0.3	-0.4	-0.1	-0.6	-0.9	-1.0	-1.0	-1.0	-1.0	-1.1	-1.1	-1.1	-1.1	-1.1	-1.0	-0.9	-0.8	-0.7	-0.5	-0.4	-0.2
Stock Change	-0.6	-0.7	-0.5	-0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coarse Grain																					
Production	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
of which Corn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
of which Others	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Feed Use	16.2	15.9	15.6	15.3	15.6	15.6	15.7	15.7	15.7	15.7	15.7	15.6	15.6	15.4	15.1	14.7	14.3	13.8	13.3	12.8	12.4
Food & Other Use	4.7	4.5	4.4	4.4	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.7	4.6	4.6	4.5	4.4	4.3	4.2	4.0
Domestic Use	20.9	20.4	20.0	19.7	20.1	20.2	20.2	20.2	20.3	20.3	20.3	20.3	20.3	20.1	19.8	19.3	18.8	18.2	17.6	17.0	16.4
Trade	-20.5	-20.0	-19.6	-19.5	-19.9	-19.9	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-19.9	-19.5	-19.0	-18.5	-17.9	-17.3	-16.7	-16.0
of which Corn	-16.3	-16.1	-16.0	-16.0																	
of which Others	-4.2	-3.9	-3.6	-3.5																	
Stock Change	-0.2	-0.2	-0.2	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 80

Japan	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
of which Soybean	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
of which Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0
of which Soybean	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.7
of which Others	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Crush	5.9	6.0	5.9	6.0	6.1	6.1	6.2	6.3	6.3	6.4	6.4	6.5	6.5	6.8	7.0	7.2	7.2	7.1	7.0	7.0	6.9
of which Soybean	3.7	3.8	3.8	3.8	3.9	3.9	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.4	4.5	4.7	4.6	4.4	4.3	4.1	4.0
of which Others	2.2	2.3	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.8	2.9
Trade	-7.3	-7.4	-7.3	-7.3	-7.5	-7.5	-7.6	-7.7	-7.7	-7.8	-7.9	-7.9	-8.0	-8.3	-8.6	-8.8	-8.8	-8.7	-8.6	-8.6	-8.5
of which Soybean	-4.8	-4.9	-4.8	-4.9	-5.0	-5.0	-5.1	-5.2	-5.2	-5.3	-5.3	-5.4	-5.4	-5.7	-5.8	-6.0	-5.9	-5.8	-5.6	-5.5	-5.3
of which Others	-2.5	-2.5	-2.4	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.6	-2.6	-2.6	-2.6	-2.7	-2.8	-2.9	-2.9	-3.0	-3.1	-3.2
Stock Change	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meal																					
Production	4.1	4.1	4.1	4.1	4.2	4.3	4.3	4.4	4.4	4.4	4.5	4.5	4.6	4.7	4.9	5.0	5.0	4.9	4.9	4.8	4.7
of which Soybean	2.9	2.9	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.3	3.4	3.5	3.6	3.6	3.4	3.3	3.2	3.1
of which Others	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.6	1.6
Use	4.9	4.9	4.8	4.9	5.0	5.1	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.7	5.9	6.1	6.0	5.8	5.6	5.4	5.2
Trade	-1.0	-0.8	-0.7	-0.8	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9	-0.9	-0.9	-0.9	-1.0	-1.0	-1.0	-1.0	-0.8	-0.7	-0.6	-0.5
Stock Change	0.2	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 81

Taiwan	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Wheat																					
Production	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feed Use	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Food & Other Use	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5
Domestic Use	1.0	1.1	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6
Trade	-1.0	-1.1	-1.0	-1.0	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.2	-1.2	-1.2	-1.3	-1.3	-1.4	-1.4	-1.5	-1.5	-1.6	-1.6
Stock Change	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rice																					
Production	1.3	1.4	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.4
Domestic Use	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.4
Trade	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3
Stock Change	-0.1	0.0	-0.1	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coarse Grain																					
Production	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
of which Corn	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
of which Others	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Feed Use	4.5	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.6	5.7	5.8	5.9	6.0	6.5	6.9	7.3	7.7	8.1	8.5	8.7	9.0
Food & Other Use	0.5	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1
Domestic Use	5.0	5.3	5.5	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.8	7.2	7.6	8.0	8.4	8.7	8.9	9.1
Trade	-4.8	-5.2	-5.4	-5.4	-5.5	-5.6	-5.7	-5.8	-5.9	-6.0	-6.1	-6.2	-6.3	-6.7	-7.1	-7.5	-7.9	-8.3	-8.6	-8.8	-9.0
of which Corn	-4.6	-5.0	-5.1	-5.1																	
of which Others	-0.2	-0.2	-0.3	-0.3																	
Stock Change	0.0	0.0	-0.1	-0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 82

Taiwan	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
of which Soybean	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
of which Others	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Food & Other Use	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6
of which Soybean	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
of which Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Crush	1.9	2.0	2.1	2.0	2.2	2.3	2.4	2.5	2.6	2.7	2.7	2.8	2.8	3.0	3.2	3.4	3.6	3.8	3.9	4.1	4.2
of which Soybean	1.9	2.0	2.1	2.0	2.2	2.3	2.4	2.5	2.6	2.7	2.7	2.7	2.8	3.0	3.2	3.4	3.6	3.7	3.9	4.0	4.1
of which Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trade	-2.2	-2.3	-2.4	-2.3	-2.5	-2.6	-2.7	-2.8	-2.9	-3.0	-3.0	-3.1	-3.1	-3.4	-3.6	-3.8	-4.0	-4.2	-4.4	-4.5	-4.7
of which Soybean	-2.2	-2.3	-2.4	-2.3	-2.5	-2.6	-2.7	-2.8	-2.9	-3.0	-3.0	-3.1	-3.1	-3.4	-3.6	-3.8	-4.0	-4.2	-4.4	-4.5	-4.7
of which Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stock Change	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meal																					
Production	1.5	1.6	1.7	1.6	1.8	1.8	1.9	2.0	2.1	2.1	2.2	2.2	2.2	2.4	2.5	2.7	2.9	3.0	3.1	3.2	3.3
of which Soybean	1.5	1.6	1.7	1.6	1.8	1.8	1.9	2.0	2.1	2.1	2.1	2.2	2.2	2.4	2.5	2.7	2.8	3.0	3.1	3.2	3.3
of which Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Use	1.6	1.8	1.8	1.7	1.9	2.0	2.1	2.2	2.3	2.3	2.4	2.4	2.4	2.6	2.8	3.0	3.1	3.3	3.4	3.5	3.6
Trade	-0.1	-0.2	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3
Stock Change	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE --83

South Korea	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Wheat																					
Production	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feed Use	2.5	1.3	0.7	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.6	0.6	0.5	0.4	0.4
Food & Other Use	2.1	2.2	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.6	2.6	2.6	2.5	2.5	2.4
Domestic Use	4.5	3.5	3.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.0	2.9	2.8
Trade	-4.6	-3.7	-3.0	-3.2	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.2	-3.2	-3.1	-3.0	-2.9	-2.8
Stock Change	0.0	0.2	0.0	-0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rice																					
Production	5.1	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.4	5.4	5.4	5.4
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	5.0	5.0	5.0	5.2	5.1	5.1	5.1	5.1	5.1	5.1	5.2	5.2	5.2	5.1	5.1	5.0	4.9	4.8	4.6	4.4	4.2
Domestic Use	5.0	5.0	5.0	5.2	5.1	5.1	5.1	5.1	5.1	5.1	5.2	5.2	5.2	5.1	5.1	5.0	4.9	4.8	4.6	4.4	4.2
Trade	-0.1	-0.1	-0.1	-0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.3	0.3	0.5	0.6	0.8	1.0	1.2
Stock Change	0.2	0.4	0.4	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coarse Grain																					
Production	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7
of which Corn	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
of which Others	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6
Feed Use	5.9	6.7	7.0	6.3	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.3	9.7	11.4	13.3	15.4	17.6	20.1	22.6	25.3	28.1
Food & Other Use	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.3
Domestic Use	8.2	8.9	9.3	8.6	9.5	9.8	10.1	10.4	10.6	10.9	11.2	11.6	11.9	13.5	15.3	17.3	19.5	21.8	24.2	26.8	29.5
Trade	-7.7	-8.4	-8.8	-8.1	-9.0	-9.3	-9.6	-9.8	-10.1	-10.4	-10.7	-11.0	-11.4	-13.0	-14.8	-16.7	-18.9	-21.2	-23.6	-26.1	-28.8
of which Corn	-7.5	-8.3	-8.7	-8.0																	
of which Others	-0.1	-0.1	-0.1	-0.1																	
Stock Change	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE --84

South Korea	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
of which Soybean	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
of which Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.8
of which Soybean	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8
of which Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Crush	1.2	1.3	1.1	1.2	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	2.0	2.3	2.7	3.1	3.5	4.0	4.5	5.0
of which Soybean	1.2	1.3	1.1	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	2.0	2.3	2.6	3.0	3.5	3.9	4.4	5.0
of which Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Trade	-1.5	-1.7	-1.5	-1.7	-1.7	-1.7	-1.8	-1.8	-1.9	-2.0	-2.0	-2.1	-2.1	-2.5	-2.8	-3.2	-3.7	-4.1	-4.6	-5.1	-5.7
of which Soybean	-1.4	-1.6	-1.4	-1.5	-1.6	-1.7	-1.7	-1.8	-1.8	-1.9	-1.9	-2.0	-2.1	-2.4	-2.7	-3.1	-3.6	-4.0	-4.5	-5.0	-5.6
of which Others	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Stock Change	0.0	0.1	0.0	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meal																					
Production	0.9	1.0	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.6	1.8	2.1	2.5	2.8	3.2	3.6	4.0
of which Soybean	0.9	1.0	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.6	1.8	2.1	2.4	2.8	3.1	3.5	3.9
of which Others	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Use	2.6	2.7	2.8	2.7	2.9	3.0	3.1	3.3	3.4	3.5	3.6	3.7	3.9	4.5	5.2	6.1	7.0	8.0	9.1	10.2	11.4
Trade	-1.6	-1.6	-1.9	-1.7	-1.9	-2.0	-2.0	-2.1	-2.2	-2.2	-2.3	-2.4	-2.5	-2.9	-3.4	-3.9	-4.5	-5.2	-5.9	-6.7	-7.4
Stock Change	-0.1	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 85

China	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Wheat																					
Production	109.7	113.9	99.6	93.5	103.9	104.7	105.6	106.5	107.4	108.2	109.1	110.0	110.9	115.6	120.4	125.5	127.5	129.5	131.6	133.7	135.8
Feed Use	5.0	5.0	3.5	2.5	3.7	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	4.1	4.2	4.2	4.3	4.3	4.3	4.3	4.2
Food & Other Use	109.7	110.6	110.5	111.5	106.4	107.3	108.1	109.0	109.9	110.9	111.8	112.7	113.6	118.5	123.5	128.7	130.8	133.0	135.2	137.4	139.8
Domestic Use	114.7	115.6	114.0	114.0	110.1	111.0	111.9	112.9	113.8	114.7	115.7	116.6	117.6	122.5	127.6	133.0	135.1	137.3	139.5	141.7	144.0
Trade	-0.3	-0.5	0.1	-0.5	-6.2	-6.3	-6.3	-6.4	-6.4	-6.5	-6.5	-6.6	-6.7	-6.9	-7.2	-7.5	-7.6	-7.8	-7.9	-8.0	-8.2
Stock Change	-4.7	-1.3	-14.5	-20.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rice																					
Production	139.1	138.9	131.5	128.5	133.9	134.3	134.8	135.3	135.7	136.2	136.7	137.2	137.6	140.0	142.4	144.9	146.3	147.0	147.0	146.2	144.6
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	133.6	133.8	134.3	134.6	131.9	132.3	132.8	133.2	133.7	134.2	134.6	135.1	135.6	137.9	140.3	142.7	144.1	144.8	144.7	144.0	142.5
Domestic Use	133.6	133.8	134.3	134.6	131.9	132.3	132.8	133.2	133.7	134.2	134.6	135.1	135.6	137.9	140.3	142.7	144.1	144.8	144.7	144.0	142.5
Trade	2.5	2.7	1.5	1.7	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2
Stock Change	3.0	2.5	-4.3	-7.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coarse Grain																					
Production	143.5	137.2	114.0	120.8	128.4	130.7	133.1	135.5	140.3	145.2	150.3	155.6	161.2	181.9	205.6	232.6	263.4	298.4	338.4	383.8	435.5
of which Corn	133.0	128.1	106.0	112.0	119.9	122.3	124.7	127.2	132.0	137.0	142.2	147.6	153.2	174.2	198.2	225.5	256.5	291.8	332.0	377.7	429.6
of which Others	10.5	9.1	8.0	8.8	8.5	8.4	8.4	8.3	8.2	8.2	8.1	8.0	8.0	7.7	7.4	7.1	6.9	6.6	6.4	6.1	5.9
Feed Use	89.7	91.5	92.1	96.3	99.2	102.3	105.4	108.5	114.1	119.9	125.9	132.1	138.5	163.3	190.9	221.9	256.8	296.1	340.3	390.3	446.7
Food & Other Use	38.8	37.8	36.9	37.3	36.2	35.6	35.0	34.5	33.8	33.2	32.6	32.1	31.5	28.7	26.1	23.5	21.1	18.8	16.6	14.6	12.8
Domestic Use	128.6	129.4	129.0	133.6	135.4	137.9	140.4	143.0	148.0	153.2	158.6	164.2	170.0	191.9	216.9	245.4	277.9	314.9	357.0	404.9	459.5
Trade	1.1	7.8	4.7	1.6	-7.1	-7.2	-7.3	-7.5	-7.7	-8.0	-8.3	-8.6	-8.9	-10.0	-11.3	-12.8	-14.5	-16.4	-18.6	-21.1	-24.0
of which Corn	3.1	9.9	6.9	3.5																	
of which Others	-2.0	-2.1	-2.2	-1.9																	
Stock Change	13.8	0.1	-19.8	-14.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 86

China	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	46.7	47.0	50.9	52.4	52.6	53.9	55.2	56.5	58.0	59.6	61.2	62.9	64.6	72.5	79.9	88.2	97.4	107.5	118.4	130.4	143.8
of which Soybean	15.2	14.3	15.4	15.5	15.9	16.3	16.8	17.2	17.8	18.4	19.0	19.7	20.4	23.1	26.2	29.7	33.7	38.2	43.4	49.2	55.8
of which Others	31.6	32.7	35.5	36.9	36.7	37.5	38.4	39.3	40.2	41.2	42.2	43.2	44.3	49.4	53.7	58.5	63.6	69.3	75.0	81.2	87.9
Food & Other Use	15.8	16.5	17.6	17.9	17.9	18.2	18.4	18.7	19.0	19.2	19.5	19.8	20.1	21.4	22.8	24.1	25.4	26.5	27.5	28.4	29.2
of which Soybean	7.3	7.8	8.9	9.0	8.9	9.1	9.2	9.4	9.5	9.7	9.9	10.0	10.2	11.0	11.9	12.7	13.5	14.3	15.0	15.6	16.3
of which Others	8.5	8.7	8.7	8.8	9.0	9.1	9.2	9.3	9.4	9.5	9.7	9.8	9.9	10.4	10.9	11.4	11.9	12.2	12.5	12.7	12.9
Crush	39.0	39.9	47.2	48.1	49.2	51.6	54.1	56.7	59.5	62.5	65.7	69.1	72.6	90.0	111.2	134.9	161.0	182.5	206.3	232.9	262.7
of which Soybean	12.6	13.1	19.1	20.3	20.2	21.9	23.6	25.5	27.5	29.6	31.9	34.4	37.1	50.0	67.2	86.5	107.8	124.0	142.3	162.9	186.2
of which Others	26.4	26.7	28.1	27.8	29.0	29.7	30.5	31.2	32.1	32.9	33.8	34.7	35.6	40.1	44.0	48.4	53.2	58.5	64.0	70.0	76.5
Trade	-7.0	-12.3	-14.9	-14.7	-14.5	-15.9	-17.4	-19.0	-20.5	-22.1	-24.0	-25.9	-28.1	-39.0	-54.1	-70.8	-89.0	-101.5	-115.4	-130.8	-148.2
of which Soybean	-3.7	-9.5	-12.9	-13.8	-13.2	-14.6	-16.1	-17.7	-19.2	-20.9	-22.7	-24.7	-26.9	-37.9	-52.9	-69.5	-87.6	-100.1	-113.9	-129.4	-146.6
of which Others	-3.3	-2.8	-2.0	-0.9	-1.3	-1.3	-1.3	-1.3	-1.3	-1.2	-1.2	-1.2	-1.2	-1.1	-1.2	-1.4	-1.4	-1.4	-1.5	-1.5	-1.5
Stock Change	-1.1	2.9	1.0	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meal																					
Production	23.7	24.5	30.1	31.0	31.3	32.9	34.7	36.6	38.6	40.7	43.0	45.5	48.1	60.7	76.5	94.1	113.5	129.2	146.6	166.1	188.0
of which Soybean	10.0	10.4	15.2	16.1	16.1	17.4	18.8	20.3	21.8	23.5	25.4	27.4	29.5	39.7	53.4	68.8	85.7	98.6	113.2	129.5	148.0
of which Others	13.7	14.0	14.9	14.9	15.2	15.5	15.9	16.3	16.8	17.2	17.7	18.1	18.6	21.0	23.0	25.3	27.8	30.6	33.5	36.6	40.0
Use	24.1	24.1	29.9	30.8	31.1	32.6	34.1	35.8	37.4	39.2	41.0	42.9	44.9	56.2	70.1	87.0	104.4	120.2	137.9	157.8	180.4
Trade	-0.3	0.3	0.2	0.2	0.2	0.4	0.6	0.8	1.2	1.6	2.0	2.5	3.2	4.5	6.3	7.1	9.1	9.1	8.7	8.3	7.7
Stock Change	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 87

India	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Wheat																					
Production	66.4	70.8	75.8	68.0	74.7	76.4	78.1	79.8	82.0	84.2	86.5	88.8	91.3	99.3	108.1	115.9	124.2	133.5	144.2	156.6	170.0
Feed Use	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6
Food & Other Use	63.4	69.2	67.6	68.1	74.3	76.0	77.6	79.4	81.5	83.8	86.0	88.4	90.8	98.8	107.5	115.3	123.7	132.9	143.6	155.9	169.3
Domestic Use	63.7	69.5	68.0	68.5	74.7	76.4	78.1	79.8	82.0	84.2	86.5	88.8	91.3	99.3	108.1	115.9	124.2	133.5	144.2	156.6	170.0
Trade	-2.2	-0.6	1.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stock Change	4.8	1.9	6.0	-3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rice																					
Production	86.0	89.5	86.3	88.6	91.2	92.8	94.4	96.0	97.4	98.9	100.3	101.8	103.3	111.2	119.7	128.8	138.6	148.1	155.8	164.0	172.5
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	81.2	83.5	84.5	85.0	88.5	90.0	91.5	93.1	94.5	95.9	97.3	98.8	100.2	107.9	116.1	124.9	134.5	143.6	151.1	159.0	167.4
Domestic Use	81.2	83.5	84.5	85.0	88.5	90.0	91.5	93.1	94.5	95.9	97.3	98.8	100.2	107.9	116.1	124.9	134.5	143.6	151.1	159.0	167.4
Trade	3.3	1.5	0.1	2.8	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.3	3.6	3.9	4.2	4.4	4.7	4.9	5.2
Stock Change	1.5	4.5	1.8	0.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coarse Grain																					
Production	31.7	30.5	30.5	31.0	30.9	31.0	31.2	31.3	31.4	31.5	31.7	31.8	31.9	32.8	33.8	35.1	36.7	38.5	40.7	43.2	46.1
of which Corn	10.7	11.5	11.5	12.0	12.3	12.6	12.9	13.2	13.5	13.8	14.1	14.4	14.7	16.4	18.2	20.2	22.5	25.1	27.9	31.0	34.5
of which Others	21.0	19.0	19.0	19.0	18.6	18.4	18.3	18.1	17.9	17.7	17.6	17.4	17.2	16.4	15.6	14.9	14.2	13.5	12.9	12.2	11.7
Feed Use	7.1	7.5	7.9	8.5	8.7	9.1	9.6	10.0	10.5	10.9	11.4	11.8	12.3	14.7	17.3	20.1	23.1	26.4	29.8	33.5	37.6
Food & Other Use	24.7	22.9	22.8	22.8	22.2	21.9	21.6	21.3	20.9	20.6	20.3	20.0	19.7	18.1	16.5	15.0	13.6	12.2	10.9	9.7	8.6
Domestic Use	31.8	30.5	30.7	31.2	30.9	31.0	31.2	31.3	31.4	31.5	31.7	31.8	31.9	32.8	33.8	35.1	36.7	38.5	40.7	43.2	46.1
Trade	-0.2	-0.3	-0.4	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
of which Corn	-0.2	-0.3	-0.4	-0.3																	
of which Others	0.0	0.0	0.0	0.0																	
Stock Change	0.0	0.3	0.2	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 88

India	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	25.2	20.9	21.6	25.5	23.4	23.8	24.3	24.7	25.1	25.4	25.8	26.2	26.6	28.5	30.5	32.7	35.1	37.7	40.5	43.5	46.8
of which Soybean	6.0	5.2	5.3	5.6	5.8	6.0	6.2	6.4	6.6	6.8	6.9	7.1	7.3	8.2	9.1	10.1	11.3	12.6	14.0	15.6	17.4
of which Others	19.2	15.7	16.4	19.9	17.7	17.9	18.1	18.3	18.5	18.7	18.9	19.1	19.3	20.3	21.4	22.6	23.8	25.1	26.5	27.9	29.5
Food & Other Use	4.2	3.9	3.9	4.1	4.2	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.3	5.8	6.2	6.7	7.2	7.6	8.1	8.5
of which Soybean	0.7	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.1	1.2	1.4	1.5	1.6	1.7	1.9
of which Others	3.6	3.1	3.2	3.5	3.4	3.5	3.5	3.6	3.7	3.7	3.8	3.9	4.0	4.3	4.7	5.0	5.3	5.7	6.0	6.3	6.6
Crush	20.8	17.9	18.3	21.8	20.0	20.4	20.7	21.1	21.4	21.8	22.1	22.4	22.8	24.4	26.2	28.1	30.2	32.4	34.9	37.6	40.5
of which Soybean	5.4	4.4	4.5	4.9	5.0	5.2	5.4	5.6	5.8	5.9	6.1	6.2	6.4	7.1	8.0	8.9	9.9	11.1	12.4	13.9	15.5
of which Others	15.4	13.5	13.8	16.9	15.0	15.2	15.3	15.5	15.7	15.9	16.0	16.2	16.4	17.3	18.2	19.2	20.2	21.3	22.5	23.7	25.0
Trade	0.0	0.1	0.1	0.1	-0.7	-0.8	-0.8	-0.9	-0.9	-0.9	-1.0	-1.0	-1.1	-1.2	-1.4	-1.6	-1.8	-1.9	-2.0	-2.1	-2.2
of which Soybean	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
of which Others	0.2	0.1	0.1	0.1	-0.7	-0.8	-0.8	-0.9	-0.9	-0.9	-1.0	-1.0	-1.1	-1.2	-1.4	-1.6	-1.8	-1.9	-2.0	-2.1	-2.2
Stock Change	0.1	-1.0	-0.7	-0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meal																					
Production	12.0	10.1	10.3	12.1	11.4	11.6	11.8	12.1	12.3	12.5	12.7	12.9	13.1	14.2	15.3	16.5	17.8	19.3	20.9	22.6	24.6
of which Soybean	4.2	3.4	3.5	3.9	3.9	4.1	4.2	4.4	4.5	4.7	4.8	4.9	5.0	5.6	6.3	7.0	7.8	8.7	9.7	10.9	12.2
of which Others	7.8	6.6	6.7	8.2	7.4	7.5	7.6	7.7	7.8	7.8	7.9	8.0	8.1	8.5	9.0	9.5	10.0	10.6	11.1	11.7	12.4
Use	8.9	7.7	7.9	8.8	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.2	9.3	9.8	10.3	10.7	11.1	11.5	11.8	12.0	12.2
Trade	3.0	2.5	2.3	3.3	3.0	3.1	3.2	3.4	3.5	3.6	3.7	3.8	3.9	4.4	5.0	5.7	6.7	7.8	9.1	10.6	12.3
Stock Change	0.1	-0.1	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 89

Indonesia	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Wheat																					
Production	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	2.7	3.3	3.8	3.9	3.7	3.8	3.8	3.9	3.9	3.9	4.0	4.0	4.0	4.2	4.4	4.5	4.7	4.8	4.9	5.0	5.1
Domestic Use	2.7	3.3	3.8	3.9	3.7	3.8	3.8	3.9	3.9	3.9	4.0	4.0	4.0	4.2	4.4	4.5	4.7	4.8	4.9	5.0	5.1
Trade	-3.1	-3.7	-3.9	-3.9	-3.7	-3.8	-3.8	-3.9	-3.9	-3.9	-4.0	-4.0	-4.0	-4.2	-4.4	-4.5	-4.7	-4.8	-4.9	-5.0	-5.1
Stock Change	0.5	0.4	0.1	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rice																					
Production	31.9	33.4	32.0	32.5	33.4	33.9	34.3	34.7	35.1	35.5	36.0	36.4	36.9	39.2	41.6	44.0	46.5	48.5	50.7	52.3	53.9
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	35.0	35.4	35.9	36.4	36.8	37.2	37.7	38.2	38.6	39.1	39.5	40.0	40.5	42.8	45.1	47.3	49.4	51.4	53.2	54.9	56.4
Domestic Use	35.0	35.4	35.9	36.4	36.8	37.2	37.7	38.2	38.6	39.1	39.5	40.0	40.5	42.8	45.1	47.3	49.4	51.4	53.2	54.9	56.4
Trade	-3.7	-1.5	-1.3	-3.9	-3.3	-3.4	-3.4	-3.5	-3.5	-3.5	-3.6	-3.6	-3.6	-3.6	-3.5	-3.3	-2.9	-2.9	-2.6	-2.6	-2.5
Stock Change	0.5	-0.5	-2.6	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coarse Grain																					
Production	6.5	6.2	5.5	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.8	6.9	7.0	7.6	8.3	9.0	9.9	10.7	11.7	12.7	13.9
of which Corn	6.5	6.2	5.5	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.8	6.9	7.0	7.6	8.3	9.0	9.9	10.7	11.7	12.7	13.9
of which Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feed Use	3.7	4.4	4.0	4.4	4.5	4.7	4.9	5.1	5.3	5.4	5.6	5.9	6.1	7.3	8.6	10.2	12.1	14.2	16.6	19.4	22.5
Food & Other Use	3.0	2.9	3.1	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.7	4.0	4.3	4.5	4.7	5.0	5.2	5.4
Domestic Use	6.7	7.3	7.0	7.4	7.6	7.9	8.1	8.3	8.6	8.8	9.0	9.3	9.6	11.0	12.6	14.5	16.6	19.0	21.6	24.6	27.9
Trade	-0.3	-1.2	-1.3	-1.4	-1.5	-1.6	-1.8	-1.9	-2.0	-2.1	-2.3	-2.4	-2.6	-3.4	-4.3	-5.5	-6.7	-8.2	-9.9	-11.9	-14.0
of which Corn	-0.3	-1.2	-1.3	-1.4																	
of which Others	0.0	0.0	0.0	0.0																	
Stock Change	0.1	0.1	-0.3	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 90

Indonesia	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	2.2	2.3	2.1	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.9	3.1	3.4	3.7	4.0	4.3	4.7	5.1
of which Soybean	1.3	1.3	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.6	1.7	1.9	2.0	2.2	2.4	2.6	2.8
of which Others	0.9	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.3	1.4	1.5	1.6	1.8	1.9	2.1	2.3
Food & Other Use	3.4	3.7	3.9	3.8	3.9	3.9	4.0	4.0	4.0	4.1	4.1	4.2	4.2	4.4	4.6	4.8	5.0	5.2	5.3	5.5	5.6
of which Soybean	2.4	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.2	3.4	3.5	3.7	3.8	4.0	4.1	4.2
of which Others	1.0	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4
Crush	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
of which Soybean	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
of which Others	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Trade	-1.2	-1.5	-1.8	-1.7	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.5	-1.4	-1.3	-1.1	-0.8	-0.6
of which Soybean	-1.1	-1.4	-1.6	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.6	-1.6	-1.6	-1.6	-1.7	-1.6	-1.6	-1.6	-1.5	-1.4
of which Others	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.8
Stock Change	0.0	0.1	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meal																					
Production	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
of which Soybean	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
of which Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Use	1.0	1.2	1.4	1.4	1.5	1.6	1.7	1.7	1.8	1.9	2.0	2.2	2.3	2.9	3.5	4.1	4.8	5.7	6.7	7.8	9.0
Trade	-1.0	-1.1	-1.4	-1.4	-1.5	-1.5	-1.6	-1.7	-1.8	-1.9	-2.0	-2.1	-2.2	-2.9	-3.4	-4.1	-4.8	-5.6	-6.6	-7.7	-8.9
Stock Change	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 91

Malaysia	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Wheat																					
Production	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feed Use	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Food & Other Use	1.0	1.0	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9
Domestic Use	1.0	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0
Trade	-1.0	-1.1	-1.1	-1.1	-1.1	-1.2	-1.2	-1.2	-1.3	-1.3	-1.3	-1.4	-1.4	-1.6	-1.8	-2.0	-2.2	-2.4	-2.6	-2.8	-3.0
Stock Change	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rice																					
Production	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.9
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	1.9	2.0	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.5
Domestic Use	1.9	2.0	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.5
Trade	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.8	-0.8	-0.8	-0.8	-0.7	-0.7	-0.6
Stock Change	-0.1	-0.1	0.1	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coarse Grain																					
Production	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
of which Corn	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
of which Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feed Use	2.2	2.2	2.4	2.5	2.5	2.6	2.7	2.8	3.0	3.1	3.2	3.3	3.4	4.1	4.9	5.8	6.9	8.1	9.4	10.8	12.5
Food & Other Use	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.6	0.7	0.9	1.1	1.4	1.6	1.8	2.0
Domestic Use	2.4	2.4	2.5	2.6	2.7	2.8	3.0	3.1	3.2	3.4	3.5	3.7	3.8	4.7	5.7	6.8	8.0	9.4	10.9	12.6	14.5
Trade	-2.4	-2.3	-2.4	-2.5	-2.6	-2.8	-2.9	-3.0	-3.2	-3.3	-3.5	-3.6	-3.8	-4.6	-5.6	-6.7	-7.9	-9.3	-10.8	-12.5	-14.4
of which Corn	-2.4	-2.3	-2.4	-2.5																	
of which Others	0.0	0.0	0.0	0.0																	
Stock Change	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 92

Malaysia	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
of which Soybean	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
of which Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.5
of which Soybean	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4
of which Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Crush	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.8	0.9	1.1	1.3	1.5	1.7	2.0
of which Soybean	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.8	0.9	1.1	1.3	1.5	1.7	1.9
of which Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trade	-0.5	-0.5	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.8	-0.9	-1.0	-1.2	-1.4	-1.6	-1.9	-2.1	-2.4
of which Soybean	-0.5	-0.4	-0.5	-0.6	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.8	-1.0	-1.2	-1.4	-1.6	-1.8	-2.1	-2.4
of which Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Stock Change	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meal																					
Production	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.3	1.5
of which Soybean	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.3	1.5
of which Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Use	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.7	2.0	2.4	2.8	3.3	3.8	4.4	5.0
Trade	-0.6	-0.6	-0.6	-0.7	-0.7	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9	-0.9	-1.0	-1.2	-1.4	-1.7	-2.0	-2.3	-2.7	-3.1	-3.5
Stock Change	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 93

Other Asia	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Wheat																					
Production	43.0	40.7	43.6	40.0	43.0	43.7	44.5	45.3	46.1	47.0	47.8	48.7	49.6	54.2	59.3	64.2	69.2	74.2	79.5	85.3	91.4
Feed Use	1.9	2.8	2.6	2.7	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.7	6.0	7.8	9.9	12.6	16.0	20.0	25.0	31.1
Food & Other Use	50.2	49.3	48.3	48.9	50.6	51.5	52.4	53.4	54.2	55.1	56.0	56.9	57.8	62.2	66.4	70.5	74.3	77.9	81.2	84.2	86.8
Domestic Use	52.2	52.2	50.9	51.5	53.6	54.7	55.8	56.9	58.0	59.1	60.2	61.3	62.5	68.2	74.2	80.4	87.0	93.9	101.3	109.2	117.9
Trade	-11.0	-10.1	-7.6	-7.9	-10.7	-11.0	-11.3	-11.6	-11.8	-12.1	-12.3	-12.6	-12.9	-14.0	-14.9	-16.2	-17.8	-19.7	-21.7	-24.0	-26.5
Stock Change	1.8	-1.4	0.3	-3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rice																					
Production	85.5	93.3	93.9	93.4	97.4	99.3	101.3	103.3	105.4	107.5	109.7	111.9	114.1	125.8	136.2	147.1	156.2	165.8	174.2	183.1	190.4
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	77.2	82.2	83.3	84.7	87.0	88.9	90.8	92.8	94.6	96.5	98.4	100.3	102.3	112.1	122.0	131.8	141.5	151.1	160.4	169.3	177.8
Domestic Use	77.2	82.2	83.3	84.7	87.0	88.9	90.8	92.8	94.6	96.5	98.4	100.3	102.3	112.1	122.0	131.8	141.5	151.1	160.4	169.3	177.8
Trade	7.4	9.4	9.9	8.7	10.3	10.4	10.5	10.6	10.8	11.1	11.3	11.6	11.8	13.7	14.2	15.3	14.6	14.6	13.8	13.7	12.6
	9%	10%	11%	9%	11%	10%	10%	10%	10%	10%	10%	10%	10%	11%	10%	10%	9%	9%	8%	7%	7%
Stock Change	0.8	1.7	0.8	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coarse Grain																					
Production	28.4	26.2	27.4	26.9	27.5	27.8	28.1	28.5	28.8	29.1	29.5	29.8	30.2	32.1	34.1	36.2	38.5	40.9	43.6	46.4	49.4
of which Corn	18.6	17.3	17.8	18.1	18.3	18.5	18.8	19.1	19.4	19.7	20.0	20.3	20.6	22.2	23.9	25.8	27.8	29.9	32.3	34.8	37.5
of which Others	9.9	8.9	9.6	8.8	9.2	9.2	9.3	9.3	9.4	9.5	9.5	9.6	9.6	9.9	10.1	10.4	10.7	11.0	11.3	11.6	11.9
Feed Use	16.9	17.0	17.5	17.8	18.4	18.9	19.4	19.9	20.4	20.9	21.4	22.0	22.5	25.1	27.8	30.3	32.6	34.7	36.3	37.2	37.4
Food & Other Use	11.6	11.7	12.1	11.8	12.4	12.6	12.8	13.1	13.3	13.6	13.8	14.0	14.3	15.5	16.6	17.7	18.8	19.7	20.6	21.4	22.0
Domestic Use	28.5	28.8	29.6	29.6	30.8	31.5	32.2	33.0	33.7	34.5	35.2	36.0	36.8	40.6	44.4	48.0	51.4	54.4	56.8	58.6	59.4
Trade	-0.4	-2.3	-2.1	-2.1	-3.3	-3.7	-4.1	-4.6	-4.9	-5.3	-5.7	-6.2	-6.6	-8.5	-10.3	-11.8	-12.9	-13.4	-13.3	-12.2	-10.0
of which Corn	-1.2	-2.4	-2.2	-2.2																	
of which Others	0.8	0.1	0.1	0.1																	
Stock Change	0.3	-0.2	-0.1	-0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 94

Other Asia	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	8.3	9.3	8.7	9.2	9.4	9.6	9.8	10.0	10.2	10.4	10.6	10.8	11.0	12.1	13.3	14.7	16.2	17.9	19.7	21.7	24.0
of which Soybean	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6
of which Others	7.4	8.3	7.7	8.3	8.4	8.6	8.8	9.0	9.2	9.3	9.5	9.7	9.9	11.0	12.2	13.5	14.9	16.5	18.3	20.2	22.4
Food & Other Use	2.2	2.4	2.4	2.4	2.5	2.6	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4
of which Soybean	0.7	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.1	1.2	1.3	1.4	1.6	1.7	1.8	2.0
of which Others	1.5	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.2	2.4	2.6	2.8	3.0	3.1	3.3	3.4
Crush	8.8	9.9	10.2	10.6	10.3	10.6	10.8	11.1	11.3	11.6	11.8	12.1	12.4	13.8	15.4	17.2	19.1	21.2	23.5	26.0	28.8
of which Soybean	1.9	2.1	2.9	3.0	2.5	2.6	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.6	4.1	4.7	5.3	5.9	6.5	7.2	8.0
of which Others	6.9	7.7	7.3	7.6	7.8	8.0	8.2	8.3	8.5	8.7	8.9	9.0	9.2	10.2	11.3	12.5	13.8	15.3	17.0	18.8	20.8
Trade	-2.6	-3.2	-4.1	-4.0	-3.4	-3.5	-3.6	-3.8	-3.9	-4.0	-4.1	-4.2	-4.4	-5.0	-5.7	-6.4	-7.1	-7.9	-8.6	-9.4	-10.2
of which Soybean	-1.6	-1.9	-2.7	-2.8	-2.3	-2.4	-2.5	-2.6	-2.6	-2.7	-2.8	-2.9	-3.0	-3.6	-4.1	-4.7	-5.4	-6.1	-6.8	-7.6	-8.3
of which Others	-1.0	-1.2	-1.4	-1.2	-1.1	-1.2	-1.2	-1.2	-1.2	-1.3	-1.3	-1.3	-1.3	-1.4	-1.5	-1.6	-1.7	-1.8	-1.8	-1.9	-1.9
Stock Change	0.0	0.2	0.2	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meal																					
Production	4.5	5.2	5.6	5.8	5.5	5.6	5.8	5.9	6.0	6.2	6.3	6.5	6.6	7.4	8.3	9.3	10.4	11.5	12.8	14.1	15.6
of which Soybean	1.5	1.7	2.3	2.3	1.9	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.5	2.8	3.2	3.6	4.1	4.6	5.1	5.6	6.2
of which Others	3.0	3.5	3.3	3.5	3.5	3.6	3.7	3.8	3.8	3.9	4.0	4.1	4.2	4.6	5.1	5.7	6.3	6.9	7.7	8.5	9.4
Use	7.7	8.8	9.3	9.6	8.6	8.8	9.1	9.4	9.7	10.0	10.2	10.5	10.9	12.5	14.2	16.1	18.1	20.3	22.5	24.9	27.4
Trade	-3.3	-3.7	-3.8	-3.7	-3.1	-3.2	-3.4	-3.5	-3.6	-3.8	-3.9	-4.1	-4.2	-5.0	-5.9	-6.8	-7.7	-8.7	-9.7	-10.8	-11.8
Stock Change	0.1	0.1	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 95

Australia	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Wheat																					
Production	21.5	25.0	21.2	23.0	23.9	24.3	24.7	25.1	25.4	25.8	26.2	26.6	26.9	29.0	31.1	33.5	36.0	38.7	41.6	44.7	48.0
Feed Use	1.8	2.5	3.0	3.0	2.9	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.4	3.8	4.1	4.5	4.8	5.2	5.5	5.9	6.2
Food & Other Use	2.9	3.0	2.6	2.6	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.0	3.1	3.2	3.4	3.5	3.6	3.7	3.8	3.9	3.9
Domestic Use	4.7	5.5	5.6	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	7.0	7.5	8.0	8.4	8.9	9.3	9.7	10.1
Trade	16.2	17.6	16.4	15.4	18.1	18.4	18.7	19.0	19.3	19.6	19.9	20.1	20.4	22.0	23.6	25.5	27.5	29.8	32.2	34.9	37.9
Stock Change	0.5	2.0	-0.8	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rice																					
Production	1.0	0.8	1.3	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.4	1.5	1.7	1.8	2.0	2.2	2.5	2.7
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.4	2.7
Domestic Use	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.4	2.7
Trade	0.3	0.2	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.0
Stock Change	0.0	-0.1	0.3	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coarse Grain																					
Production	10.0	8.7	8.8	9.8	9.4	9.5	9.6	9.7	9.8	9.9	10.1	10.2	10.3	10.9	11.6	12.3	13.1	13.9	14.7	15.7	16.6
of which Corn	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.9
of which Others	9.7	8.3	8.4	9.5	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.8	9.9	10.5	11.1	11.7	12.5	13.2	14.0	14.8	15.7
Feed Use	4.0	3.6	3.2	4.0	3.7	3.8	3.9	4.0	4.1	4.1	4.2	4.3	4.4	4.8	5.2	5.7	6.1	6.6	7.0	7.4	7.9
Food & Other Use	1.4	1.2	1.3	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.7	2.0	2.2	2.5	2.7	3.0	3.2	3.5	3.7
Domestic Use	5.4	4.8	4.5	5.4	5.1	5.2	5.4	5.5	5.6	5.7	5.9	6.0	6.1	6.8	7.5	8.2	8.9	9.6	10.2	10.9	11.6
Trade	5.0	4.0	4.4	4.5	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.2	4.2	4.3	4.5	4.8	5.1
of which Corn	0.0	0.0	0.1	0.1																	
of which Others	4.9	4.0	4.3	4.4																	
Stock Change	-0.3	-0.1	-0.1	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 96

Australia	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	3.0	3.8	2.9	2.8	3.9	4.3	4.8	5.3	5.3	5.4	5.4	5.5	5.5	5.7	6.0	6.3	6.5	6.8	7.1	7.4	7.7
of which Soybean	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
of which Others	2.9	3.7	2.8	2.7	3.8	4.2	4.6	5.2	5.2	5.2	5.3	5.3	5.4	5.6	5.9	6.1	6.4	6.7	7.0	7.3	7.6
Food & Other Use	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
of which Soybean	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
of which Others	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
Crush	1.2	1.3	1.2	1.3	1.6	1.8	1.9	2.1	2.2	2.2	2.2	2.2	2.3	2.4	2.6	2.7	2.9	3.1	3.3	3.5	3.8
of which Soybean	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9
of which Others	1.0	1.2	1.1	1.2	1.4	1.6	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.8	2.9
Trade	1.8	2.4	1.9	1.6	2.1	2.4	2.7	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.7
of which Soybean	0.0	-0.1	-0.1	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.3	-0.3	-0.4	-0.5	-0.6	-0.7
of which Others	1.8	2.5	1.9	1.6	2.2	2.4	2.7	3.0	3.1	3.1	3.1	3.1	3.2	3.3	3.4	3.6	3.7	3.9	4.0	4.2	4.4
Stock Change	-0.1	-0.1	-0.3	-0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meal																					
Production	0.6	0.6	0.5	0.6	0.8	0.8	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.3	1.3	1.5	1.6	1.7	1.8	2.0
of which Soybean	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.6	0.7
of which Others	0.5	0.5	0.4	0.5	0.6	0.7	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.3
Use	1.0	1.0	0.9	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.4	1.5	1.8	2.1	2.6	3.0	3.6	4.3	5.0	5.6
Trade	-0.4	-0.4	-0.4	-0.4	-0.3	-0.3	-0.2	-0.2	-0.2	-0.3	-0.3	-0.3	-0.4	-0.6	-0.9	-1.2	-1.6	-2.0	-2.6	-3.2	-3.7
Stock Change	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 97

South Africa	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Wheat																					
Production	1.9	1.7	2.3	1.9	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.3	2.4	2.6	2.7	2.8	3.0	3.1	3.3
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	2.6	2.6	2.5	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.9	3.1	3.3
Domestic Use	2.6	2.7	2.5	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.9	3.1	3.3
Trade	-0.4	-0.7	-0.8	-0.8	-0.7	-0.7	-0.7	-0.7	-0.6	-0.6	-0.6	-0.6	-0.5	-0.4	-0.3	-0.2	-0.1	0.0	0.0	0.0	0.0
Stock Change	-0.3	-0.3	0.6	-0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rice																					
Production	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.1
Domestic Use	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.1
Trade	-0.5	-0.5	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.8	-0.8	-0.9	-1.0	-1.1
Stock Change	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coarse Grain																					
Production	8.1	11.1	7.3	9.7	9.3	9.3	9.3	9.3	9.4	9.4	9.4	9.4	9.4	9.5	9.5	9.6	9.7	9.7	9.8	9.9	9.9
of which Corn	7.7	10.6	6.9	9.2	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	9.0	9.1	9.1	9.2	9.2	9.3	9.3	9.4
of which Others	0.4	0.5	0.4	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Feed Use	3.7	4.3	4.1	4.1	4.2	4.1	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.7	3.6	3.4	3.3	3.3	3.2	3.2	3.3
Food & Other Use	4.3	4.1	4.1	4.2	4.1	4.1	4.0	4.0	4.0	3.9	3.8	3.8	3.7	3.4	3.2	3.0	2.8	2.6	2.4	2.3	2.2
Domestic Use	8.0	8.4	8.2	8.4	8.3	8.2	8.2	8.1	8.1	8.0	7.9	7.8	7.7	7.2	6.8	6.4	6.1	5.8	5.7	5.5	5.5
Trade	0.0	1.3	-0.2	1.4	1.0	1.1	1.1	1.2	1.3	1.4	1.5	1.6	1.7	2.3	2.8	3.2	3.6	3.9	4.1	4.3	4.5
of which Corn	0.1	1.4	0.0	1.5																	
of which Others	-0.1	-0.1	-0.2	0.0																	
Stock Change	0.2	1.4	-0.8	-0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 98

South Africa	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	1.5	0.9	1.2	1.2	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8	1.9
of which Soybean	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
of which Others	1.4	0.7	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.5	1.5
Food & Other Use	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
of which Soybean	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
of which Others	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Crush	1.0	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.5	1.5
of which Soybean	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
of which Others	0.9	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3
Trade	0.0	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0
of which Soybean	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
of which Others	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Stock Change	0.2	-0.3	0.1	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meal																					
Production	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8
of which Soybean	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
of which Others	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6
Use	0.9	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3
Trade	-0.4	-0.5	-0.5	-0.5	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.8	-0.8	-0.7	-0.7	-0.6	-0.6	-0.6	-0.5
Stock Change	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 99

N Africa & Middle East	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Wheat																					
Production	33.8	25.5	23.2	27.9	26.5	27.0	27.5	28.0	28.7	29.4	30.1	30.8	31.5	34.0	36.6	39.4	42.4	45.6	49.1	52.9	57.0
Feed Use	2.0	1.9	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.2	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.7
Food & Other Use	57.1	58.2	57.6	59.3	61.0	62.4	63.7	65.2	66.6	68.1	69.6	71.1	72.7	80.6	88.8	96.9	105.1	113.3	121.6	129.8	137.8
Domestic Use	59.1	60.1	59.4	61.2	62.9	64.3	65.7	67.2	68.7	70.2	71.7	73.3	74.9	83.1	91.4	99.7	108.1	116.5	125.0	133.4	141.5
Trade	-25.9	-32.2	-33.0	-33.3	-36.4	-37.3	-38.2	-39.2	-40.0	-40.8	-41.6	-42.5	-43.4	-49.1	-54.8	-60.4	-65.7	-70.9	-75.8	-80.5	-84.5
Stock Change	0.6	-2.4	-3.2	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rice																					
Production	4.7	5.2	5.2	4.7	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.1	6.6	7.3	8.0	8.8	9.6	10.6	11.6	12.8
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	8.4	8.9	9.1	8.7	9.3	9.5	9.8	10.0	10.2	10.5	10.7	11.0	11.2	12.5	13.9	15.3	16.7	18.1	19.6	21.0	22.5
Domestic Use	8.4	8.9	9.1	8.7	9.3	9.5	9.8	10.0	10.2	10.5	10.7	11.0	11.2	12.5	13.9	15.3	16.7	18.1	19.6	21.0	22.5
Trade	-3.6	-3.6	-3.4	-4.1	-4.1	-4.2	-4.3	-4.5	-4.6	-4.7	-4.9	-5.0	-5.2	-5.9	-6.6	-7.3	-7.9	-8.5	-9.0	-9.4	-9.7
Stock Change	-0.1	-0.1	-0.5	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coarse Grain																					
Production	17.1	14.2	12.0	14.5	14.4	14.9	15.3	15.8	16.3	16.8	17.4	18.0	18.5	20.6	22.9	25.5	27.9	30.6	33.6	36.9	40.4
of which Corn	7.4	7.0	6.8	6.9	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4	9.3	10.2	11.3	12.5	13.8	15.2	16.8	18.5
of which Others	9.7	7.2	5.2	7.7	7.2	7.6	7.9	8.2	8.6	8.9	9.3	9.7	10.1	11.3	12.7	14.2	15.5	16.9	18.4	20.1	21.9
Feed Use	31.4	31.0	28.5	28.8	29.4	30.0	30.5	31.1	31.6	32.2	32.8	33.4	34.0	37.0	39.9	42.7	45.4	48.0	50.5	52.9	55.0
Food & Other Use	6.2	6.3	6.3	6.4	6.5	6.5	6.6	6.6	6.7	6.8	6.8	6.9	6.9	7.1	7.3	7.3	7.2	7.0	6.7	6.3	5.8
Domestic Use	37.6	37.3	34.8	35.2	35.9	36.5	37.1	37.7	38.3	39.0	39.6	40.2	40.9	44.1	47.2	50.0	52.6	55.0	57.2	59.2	60.8
Trade	-20.9	-22.0	-21.9	-20.6	-21.5	-21.6	-21.8	-21.9	-22.0	-22.1	-22.2	-22.3	-22.4	-23.5	-24.2	-24.5	-24.7	-24.4	-23.6	-22.3	-20.4
of which Corn	-10.7	-12.6	-13.2	-11.9																	
of which Others	-10.1	-9.4	-8.7	-8.7																	
Stock Change	0.3	-1.1	-0.9	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 100

N Africa & Middle East	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	2.0	1.9	1.7	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.5
of which Soybean	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
of which Others	1.8	1.7	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.9	2.0	2.0	2.1	2.2	2.3	2.3
Food & Other Use	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
of which Soybean	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
of which Others	0.7	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5
Crush	2.6	2.9	3.0	3.3	3.5	3.8	4.1	4.4	4.7	5.1	5.5	6.0	6.5	8.9	12.3	15.3	17.2	18.1	19.1	19.9	20.7
of which Soybean	1.4	1.8	2.0	2.3	2.4	2.7	2.9	3.3	3.6	4.0	4.4	4.8	5.3	7.7	11.1	14.0	15.8	16.7	17.6	18.4	19.2
of which Others	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.4	1.5	1.6
Trade	-1.4	-1.7	-1.9	-2.2	-2.3	-2.6	-2.9	-3.2	-3.6	-4.0	-4.4	-4.8	-5.4	-7.8	-11.2	-14.2	-16.2	-17.2	-18.1	-19.0	-19.9
of which Soybean	-1.3	-1.6	-1.8	-2.1	-2.3	-2.6	-2.8	-3.1	-3.5	-3.9	-4.3	-4.7	-5.2	-7.6	-11.0	-13.9	-15.7	-16.7	-17.6	-18.4	-19.2
of which Others	-0.1	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.3	-0.3	-0.4	-0.5	-0.6	-0.6	-0.7
Stock Change	0.1	0.1	0.0	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meal																					
Production	1.7	1.9	2.1	2.3	2.4	2.7	2.9	3.1	3.4	3.7	4.0	4.4	4.8	6.7	9.4	11.7	13.2	13.9	14.7	15.3	16.0
of which Soybean	1.1	1.4	1.6	1.8	1.9	2.1	2.3	2.6	2.9	3.1	3.5	3.8	4.2	6.1	8.8	11.1	12.6	13.3	14.0	14.6	15.2
of which Others	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
Use	5.1	5.6	5.8	5.8	6.3	6.7	7.0	7.4	7.8	8.2	8.6	9.0	9.5	12.1	15.3	18.2	19.4	20.5	21.6	22.6	23.5
Trade	-3.3	-3.7	-3.7	-3.5	-3.9	-4.0	-4.1	-4.3	-4.4	-4.5	-4.5	-4.6	-4.7	-5.4	-6.0	-6.5	-6.2	-6.5	-6.9	-7.2	-7.5
Stock Change	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 101

Other Africa	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Wheat																					
Production	2.8	3.2	2.9	2.9	3.2	3.3	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.6	5.3	6.1	7.1	8.2	9.5	10.9	12.6
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	9.0	9.9	10.6	10.1	10.7	10.9	11.1	11.4	11.6	11.8	12.0	12.2	12.5	13.6	14.8	16.0	17.3	18.6	19.9	21.3	22.8
Domestic Use	9.0	9.9	10.6	10.1	10.7	10.9	11.1	11.4	11.6	11.8	12.0	12.2	12.5	13.6	14.8	16.0	17.3	18.6	19.9	21.3	22.8
Trade	-6.3	-6.8	-7.9	-7.2	-7.5	-7.6	-7.8	-7.9	-8.0	-8.1	-8.2	-8.4	-8.5	-9.0	-9.5	-9.9	-10.2	-10.4	-10.5	-10.4	-10.1
Stock Change	0.2	0.0	0.1	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Rice																					
Production	6.8	6.8	7.1	7.4	7.4	7.5	7.7	7.9	8.0	8.2	8.3	8.5	8.7	9.6	10.6	11.7	12.9	14.2	15.7	17.3	19.2
Feed Use	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Food & Other Use	10.4	11.1	11.6	11.9	12.0	12.3	12.5	12.8	13.0	13.3	13.5	13.8	14.0	15.3	16.7	18.0	19.5	20.9	22.5	24.0	25.6
Domestic Use	10.4	11.1	11.6	11.9	12.0	12.3	12.5	12.8	13.0	13.3	13.5	13.8	14.0	15.3	16.7	18.0	19.5	20.9	22.5	24.0	25.6
Trade	-3.9	-4.4	-4.6	-4.5	-4.6	-4.7	-4.8	-4.9	-5.0	-5.1	-5.2	-5.3	-5.4	-5.7	-6.1	-6.4	-6.6	-6.7	-6.8	-6.7	-6.5
Stock Change	0.3	0.1	0.2	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Coarse Grain																					
Production	59.7	58.3	55.9	57.4	59.4	60.6	61.8	63.0	64.2	65.5	66.8	68.1	69.4	76.5	84.4	93.1	102.8	113.5	125.5	138.7	153.4
of which Corn	26.3	26.8	23.8	25.3	26.5	27.2	27.8	28.5	29.2	29.9	30.7	31.4	32.2	36.3	41.0	46.2	52.1	58.8	66.3	74.8	84.4
of which Others	33.4	31.5	32.1	32.1	32.9	33.4	33.9	34.5	35.0	35.5	36.1	36.7	37.2	40.2	43.4	46.9	50.7	54.7	59.1	63.9	69.0
Feed Use	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
Food & Other Use	57.8	57.5	55.9	56.8	59.6	61.1	62.6	64.1	65.5	67.0	68.5	70.0	71.6	79.5	87.8	96.8	106.2	116.2	126.8	137.9	149.6
Domestic Use	59.2	59.0	57.4	58.4	61.2	62.6	64.1	65.7	67.1	68.6	70.1	71.6	73.2	81.1	89.5	98.4	107.8	117.8	128.3	139.5	151.1
Trade	-0.7	-0.4	-1.2	-1.0	-1.7	-2.0	-2.4	-2.7	-2.9	-3.1	-3.3	-3.5	-3.8	-4.5	-5.1	-5.2	-5.0	-4.2	-2.9	-0.8	2.3
of which Corn	-0.8	-0.5	-1.1	-1.0																	
of which Others	0.1	0.1	-0.1	0.0																	
Stock Change	1.1	-0.3	-0.3	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 102

Other Africa	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	8.1	8.4	8.3	8.7	8.7	8.9	9.0	9.2	9.3	9.5	9.7	9.8	10.0	10.9	11.8	12.9	14.0	15.3	16.7	18.2	19.9
of which Soybean	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.8	1.0	1.2	1.4	1.7	2.0	2.4
of which Others	7.8	8.0	7.9	8.2	8.3	8.4	8.6	8.7	8.8	9.0	9.1	9.2	9.4	10.1	11.0	11.9	12.8	13.9	15.0	16.2	17.5
Food & Other Use	4.1	4.3	4.3	4.5	4.6	4.8	4.9	5.0	5.2	5.3	5.4	5.6	5.7	6.5	7.4	8.3	9.3	10.4	11.6	12.9	14.3
of which Soybean	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.8
of which Others	4.0	4.1	4.1	4.3	4.4	4.5	4.7	4.8	4.9	5.1	5.2	5.3	5.5	6.2	7.0	7.9	8.8	9.8	11.0	12.2	13.5
Crush	3.7	3.8	3.6	3.6	3.8	3.8	3.9	4.0	4.0	4.1	4.2	4.2	4.3	4.6	5.0	5.4	5.8	6.3	6.8	7.3	7.9
of which Soybean	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4
of which Others	3.6	3.6	3.4	3.4	3.6	3.6	3.7	3.8	3.8	3.9	3.9	4.0	4.1	4.4	4.7	5.1	5.5	6.0	6.5	7.0	7.6
Trade	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.0	0.0	-0.3	-0.6	-0.8	-1.1	-1.4	-1.7	-2.1	-2.4
of which Soybean	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.7	0.9	1.2
of which Others	0.2	0.3	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	-0.1	-0.1	-0.4	-0.8	-1.1	-1.5	-2.0	-2.5	-3.0	-3.6
Stock Change	0.0	0.0	0.1	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Meal																					
Production	1.5	1.5	1.5	1.6	1.5	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.8	1.9	2.0	2.2	2.4	2.6	2.8	3.0	3.2
of which Soybean	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
of which Others	1.4	1.4	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.6	1.7	1.8	2.0	2.1	2.3	2.5	2.7	2.9
Use	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2
Trade	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.7	0.8	0.9	1.0
Stock Change	0.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE -- 103

World Total	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Area																					
Wheat	224	216	217	214	218	218	219	219	220	221	222	223	224	226	228	228	226	225	224	222	220
Rice	152	155	152	151	154	155	155	156	156	157	157	158	158	161	163	165	166	167	166	165	164
Coarse Grains	293	287	282	285	289	290	292	293	295	297	299	302	304	312	320	328	336	346	354	363	370
Corn	138	138	137	136	141	142	143	145	147	148	150	152	154	161	168	173	180	186	192	197	200
Other CG	154	149	146	148	148	148	148	148	149	149	149	149	150	151	152	154	157	159	163	166	171
Oilseeds	173	176	175	179	181	183	185	188	190	192	194	196	198	209	219	230	238	245	253	260	267
Soybean	71	72	75	77	76	77	78	79	80	82	83	84	86	93	100	107	112	116	120	124	128
Other OS	102	105	101	102	105	106	107	109	109	110	111	112	112	116	119	122	126	129	132	136	140
SUMMATION	842	835	827	829	842	846	851	856	861	867	872	878	884	907	930	950	967	983	997	1,009	1,021
Yield																					
Wheat	2.62	2.71	2.66	2.70	2.74	2.77	2.80	2.83	2.86	2.89	2.91	2.94	2.97	3.13	3.29	3.46	3.64	3.83	4.02	4.23	4.45
Rice	2.59	2.64	2.61	2.61	2.63	2.64	2.65	2.66	2.67	2.67	2.68	2.69	2.70	2.74	2.78	2.82	2.86	2.90	2.95	2.99	3.04
Coarse Grains	2.92	2.93	2.92	2.95	3.03	3.07	3.11	3.15	3.19	3.23	3.27	3.32	3.36	3.59	3.83	4.08	4.35	4.63	4.93	5.21	5.51
Corn	4.36	4.36	4.27	4.31	4.38	4.41	4.44	4.47	4.51	4.54	4.57	4.61	4.64	4.81	4.99	5.17	5.36	5.56	5.77	5.98	6.20
Other CG	1.62	1.60	1.65	1.71	1.66	1.66	1.67	1.67	1.68	1.68	1.69	1.69	1.69	1.71	1.74	1.76	1.78	1.80	1.83	1.85	1.87
Oilseeds	1.66	1.66	1.70	1.72	1.74	1.76	1.79	1.81	1.84	1.87	1.90	1.93	1.96	2.12	2.30	2.49	2.69	2.89	3.11	3.34	3.59
Soybean	2.25	2.23	2.31	2.33	2.37	2.41	2.46	2.50	2.54	2.59	2.64	2.68	2.73	2.99	3.27	3.57	3.90	4.27	4.67	5.10	5.58
Other OS	1.26	1.27	1.25	1.27	1.28	1.28	1.29	1.30	1.30	1.31	1.32	1.33	1.33	1.37	1.41	1.45	1.49	1.54	1.58	1.62	1.67
Production																					
Wheat	587	585	577	578	602	610	618	627	636	645	655	665	675	719	766	810	852	897	944	991	1,042
Rice	394	408	396	395	409	414	419	424	429	434	439	444	450	477	504	532	559	585	608	632	654
Coarse Grains	853	842	823	841	875	890	906	922	941	960	980	1,000	1,021	1,118	1,225	1,339	1,463	1,600	1,746	1,892	2,043
Corn	602	603	583	587	624	638	653	669	686	704	723	742	761	851	951	1,057	1,173	1,300	1,437	1,572	1,711
Other CG	251	239	240	254	251	252	253	254	255	256	257	258	260	267	274	282	290	299	309	320	332
Oilseeds	288	292	299	309	315	323	331	340	349	358	368	378	389	444	505	572	641	708	786	867	958
Soybean	160	160	173	180	180	185	190	195	202	209	216	223	230	272	319	371	423	473	532	593	662
Other OS	128	132	126	129	135	138	141	144	147	150	153	155	158	172	186	201	218	235	254	274	296
Population	5863	5937	6011	6085	6152	6224	6297	6371	6438	6506	6575	6644	6715	7052	7377	7683	7967	8228	8467	8685	8884

TABLE -- 104

World Total	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Oilseed																					
Production	288	292	299	309	315	323	331	340	349	358	368	378	389	444	505	572	641	708	786	867	958
of which Soybean	160	160	173	180	180	185	190	195	202	209	216	223	230	272	319	371	423	473	532	593	662
of which Others	128	132	126	129	135	138	141	144	147	150	153	155	158	172	186	201	218	235	254	274	296
Food & Other Use	53	53	55	55	56	57	58	59	60	61	62	63	64	69	74	79	84	89	94	99	105
of which Soybean	24	23	25	24	25	25	26	26	27	27	28	28	29	31	33	36	38	41	43	45	48
of which Others	29	30	30	31	31	32	32	33	33	34	34	35	35	38	40	43	46	49	51	54	57
Crush	235	235	244	255	258	266	273	281	289	298	306	316	325	375	431	493	556	620	690	767	854
of which Soybean	136	134	146	153	154	159	164	170	176	182	189	195	203	241	286	336	384	433	488	548	615
of which Others	99	101	98	102	105	107	109	112	114	116	118	120	122	134	145	158	172	186	202	220	239
Total Use	288	288	299	310	315	323	331	340	349	359	368	378	389	444	505	572	640	709	785	867	958
of which Soybean	160	157	171	177	179	184	190	196	203	209	216	224	231	272	319	371	422	474	531	593	663
of which Others	128	131	128	133	136	139	141	144	147	149	152	155	157	171	185	201	217	235	254	274	295
Trade	-4	2	1	-1	1	0	0	0	0	0	0	0	0	0	0	0	1	-1	1	0	0
of which Soybean	-2	1	2	-1	2	1	0	-1	-1	-1	-1	-1	-1	-1	0	0	1	-1	1	0	-1
of which Others	-2	1	-1	-1	-1	-1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1
Stock Change	4	3	-2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meal																					
Production	157	156	166	172	174	179	184	190	196	202	208	215	222	258	299	345	390	436	488	544	607
of which Soybean	107	106	116	121	122	126	130	135	139	144	149	155	161	191	226	266	304	343	387	434	487
of which Others	49	50	50	50	52	53	54	56	57	58	59	60	61	67	72	79	86	93	101	110	119
Use	155	157	166	170	173	179	184	190	196	202	208	215	222	258	299	345	390	437	488	544	606
Trade	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stock Change	1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE -- 105

WORLD WHEAT EXPORTS - I

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
USA	25.7	22.9	22.9	22.8	22.6	22.5	22.4	22.2	22.1	21.9	21.8	20.9	19.9	18.8	17.4	16.0	14.4	12.7	10.8
CANADA	17.4	14.5	16.6	16.5	16.5	16.4	16.5	16.7	16.8	17.0	17.1	17.9	18.7	19.6	20.7	21.9	23.2	24.6	26.0
MEXICO	-2.4	-2.8	-2.8	-2.9	-3.0	-3.1	-3.2	-3.3	-3.4	-3.5	-3.6	-4.1	-4.5	-5.0	-5.4	-5.9	-6.2	-6.6	-6.9
BRAZIL	-7.2	-6.5	-7.2	-7.3	-7.3	-7.4	-7.4	-7.5	-7.5	-7.5	-7.6	-7.7	-7.8	-7.8	-7.8	-7.7	-7.6	-7.4	-7.1
ARGENTINA	11.5	13.7	13.8	14.0	14.2	14.5	14.7	14.9	15.2	15.4	15.6	16.9	18.1	19.5	20.9	22.4	24.1	25.9	27.8
OTHER LATIN AMERICA	-8.8	-8.9	-9.2	-9.3	-9.5	-9.7	-9.9	-10.0	-10.2	-10.4	-10.6	-11.4	-12.2	-13.0	-13.8	-14.4	-15.0	-15.5	-15.9
W EUROPE	10.4	7.1	12.6	12.7	12.7	12.8	12.9	13.0	13.1	13.3	13.4	12.4	11.5	10.8	10.3	10.2	10.5	11.2	12.4
CENTRAL EUROPE	0.0	3.6	3.0	3.5	4.0	4.5	5.0	5.4	5.8	6.3	6.8	9.9	13.0	15.3	17.9	20.8	24.0	27.5	31.3
FSU-15	-1.1	3.8	7.4	7.9	8.4	8.9	9.8	10.6	11.5	12.4	13.3	17.8	23.1	27.0	29.6	32.3	33.7	32.2	30.8
JAPAN	-5.5	-5.2	-5.3	-5.3	-5.4	-5.4	-5.4	-5.4	-5.5	-5.5	-5.5	-5.5	-5.5	-5.4	-5.4	-5.3	-5.1	-5.0	-4.9
TAIWAN	-1.0	-1.0	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.2	-1.2	-1.2	-1.3	-1.3	-1.4	-1.4	-1.5	-1.5	-1.6	-1.6
SOUTH KOREA	-3.0	-3.2	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.2	-3.2	-3.1	-3.0	-2.9	-2.8
CHINA	0.1	-0.5	-6.2	-6.3	-6.3	-6.4	-6.4	-6.5	-6.5	-6.6	-6.7	-6.9	-7.2	-7.5	-7.6	-7.8	-7.9	-8.0	-8.2
INDIA	1.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDONESIA	-3.9	-3.9	-3.7	-3.8	-3.8	-3.9	-3.9	-3.9	-4.0	-4.0	-4.0	-4.2	-4.4	-4.5	-4.7	-4.8	-4.9	-5.0	-5.1
MALAYSIA	-1.1	-1.1	-1.1	-1.2	-1.2	-1.2	-1.3	-1.3	-1.3	-1.4	-1.4	-1.6	-1.8	-2.0	-2.2	-2.4	-2.6	-2.8	-3.0
OTHER ASIA, COE	-7.6	-7.9	-10.7	-11.0	-11.3	-11.6	-11.8	-12.1	-12.3	-12.6	-12.9	-14.0	-14.9	-16.2	-17.8	-19.7	-21.7	-24.0	-26.5
AUSTRALIA	16.4	15.4	18.1	18.4	18.7	19.0	19.3	19.6	19.9	20.1	20.4	22.0	23.6	25.5	27.5	29.8	32.2	34.9	37.9
SOUTH AFRICA	-0.8	-0.8	-0.7	-0.7	-0.7	-0.7	-0.6	-0.6	-0.6	-0.6	-0.5	-0.4	-0.3	-0.2	-0.1	0.0	0.0	0.0	0.0
N AFRICA & MIDDLE EAST	-33.0	-33.3	-36.4	-37.3	-38.2	-39.2	-40.0	-40.8	-41.6	-42.5	-43.4	-49.1	-54.8	-60.4	-65.7	-70.9	-75.8	-80.5	-84.5
OTHER AFRICA	-7.9	-7.2	-7.5	-7.6	-7.8	-7.9	-8.0	-8.1	-8.2	-8.4	-8.5	-9.0	-9.5	-9.9	-10.2	-10.4	-10.5	-10.4	-10.1
SUMMATION	84.7	83.7	94.8	96.4	98.1	99.7	101.4	103.2	105.0	106.9	108.7	118.2	127.8	136.5	144.8	153.5	162.0	169.4	176.9
Balance	0.1	1.2	-0.8	-1.2	-1.7	-2.2	-1.9	-1.6	-1.2	-0.9	-0.7	-0.6	0.5	-0.1	-0.9	-0.5	0.2	-0.5	0.4

TABLE -- 106

WORLD RICE EXPORTS - IMP

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
USA	2.3	2.4	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.7
CANADA	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.4	-0.4	-0.4	-0.5	-0.5	-0.6	-0.6	-0.7
MEXICO	-0.4	-0.4	-0.4	-0.4	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.6	-0.7	-0.7	-0.8	-0.8	-0.9	-0.9	-0.9
BRAZIL	-0.5	-0.5	-0.7	-0.8	-0.8	-0.8	-0.9	-0.9	-0.9	-1.0	-1.0	-1.1	-1.1	-1.2	-1.1	-1.1	-1.0	-0.9	-0.8
ARGENTINA	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.8	1.0	1.2	1.4	1.7
OTHER LATIN AMERICA	-0.4	-0.5	-0.5	-0.5	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.8	-0.9	-0.9	-0.8	-0.6	-0.3	0.2	0.8
W EUROPE	-0.5	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.8	-0.9	-0.9	-0.9	-0.9	-0.9
CENTRAL EUROPE	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.2	-0.2
FSU-15	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.7	-0.8	-0.8	-0.8	-1.0	-1.1	-1.3	-1.5	-1.7	-1.9	-2.1	-2.3
JAPAN	-0.1	-0.6	-0.9	-1.0	-1.0	-1.0	-1.0	-1.1	-1.1	-1.1	-1.1	-1.1	-1.0	-0.9	-0.8	-0.7	-0.5	-0.4	-0.2
TAIWAN	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3
SOUTH KOREA	-0.1	-0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.3	0.3	0.5	0.6	0.8	1.0	1.2
CHINA	1.5	1.7	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2
INDIA	0.1	2.8	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.3	3.6	3.9	4.2	4.4	4.7	4.9	5.2
INDONESIA	-1.3	-3.9	-3.3	-3.4	-3.4	-3.5	-3.5	-3.5	-3.6	-3.6	-3.6	-3.6	-3.5	-3.3	-2.9	-2.9	-2.6	-2.6	-2.5
MALAYSIA	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.8	-0.8	-0.8	-0.8	-0.7	-0.7	-0.6
OTHER ASIA, COE	9.9	8.7	10.3	10.4	10.5	10.6	10.8	11.1	11.3	11.6	11.8	13.7	14.2	15.3	14.6	14.6	13.8	13.7	12.6
AUSTRALIA	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.0
SOUTH AFRICA	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.8	-0.8	-0.9	-1.0	-1.1
N AFRICA & MIDDLE EAST	-3.4	-4.1	-4.1	-4.2	-4.3	-4.5	-4.6	-4.7	-4.9	-5.0	-5.2	-5.9	-6.6	-7.3	-7.9	-8.5	-9.0	-9.4	-9.7
OTHER AFRICA	-4.6	-4.5	-4.6	-4.7	-4.8	-4.9	-5.0	-5.1	-5.2	-5.3	-5.4	-5.7	-6.1	-6.4	-6.6	-6.7	-6.8	-6.7	-6.5
SUMMATION	14.3	17.2	18.0	18.3	18.6	18.9	19.3	19.6	20.0	20.3	20.7	22.7	23.9	25.2	25.4	26.0	26.0	26.5	26.7
Balance	0.8	-1.1	1.1	0.8	0.5	0.1	0.0	-0.1	-0.2	-0.2	-0.3	0.2	-0.1	0.4	-0.3	-0.3	-0.5	0.0	0.3

TABLE -- 107

WORLD COARCE GRAINS EX

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
USA	54.3	56.6	56.2	57.3	58.5	59.8	60.5	61.2	61.9	62.6	63.4	68.1	73.4	79.3	85.8	93.6	102.8	100.7	97.7
CANADA	0.8	-0.2	0.6	0.4	0.3	0.2	0.1	0.0	-0.1	-0.2	-0.3	-0.8	-1.2	-1.4	-1.3	-1.0	-0.5	0.4	1.4
MEXICO	-10.7	-9.9	-11.2	-11.8	-12.5	-13.2	-13.9	-14.8	-15.6	-16.6	-17.6	-22.9	-29.5	-37.9	-48.2	-60.4	-75.4	-79.5	-75.7
BRAZIL	2.5	0.3	3.9	5.7	7.6	9.6	11.9	14.3	16.9	19.7	22.7	32.2	42.4	48.6	61.5	75.5	86.5	96.8	98.0
ARGENTINA	10.4	9.3	11.9	12.5	13.1	13.7	14.5	15.2	16.0	16.9	17.8	23.4	30.7	40.2	43.3	46.9	50.8	55.2	60.2
OTHER LATIN AMERICA	-9.0	-9.3	-10.0	-10.5	-11.0	-11.5	-12.0	-12.5	-13.1	-13.6	-14.2	-17.5	-21.3	-25.8	-30.9	-36.8	-43.5	-51.2	-60.1
W EUROPE	5.4	6.6	3.8	3.0	2.2	1.3	0.7	0.0	-0.7	-1.4	-2.1	-5.2	-7.8	-10.0	-11.5	-12.0	-11.5	-11.7	-11.1
CENTRAL EUROPE	-0.2	2.5	6.5	6.7	6.9	7.1	7.1	7.0	7.0	7.0	6.9	6.4	6.0	5.7	5.5	5.4	5.4	5.6	5.8
FSU-15	1.3	2.4	5.9	5.2	4.4	3.6	3.6	3.6	3.6	3.7	3.7	3.6	4.0	4.7	5.0	5.5	6.3	7.6	9.3
JAPAN	-19.6	-19.5	-19.9	-19.9	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-19.9	-19.5	-19.0	-18.5	-17.9	-17.3	-16.7	-16.0
TAIWAN	-5.4	-5.4	-5.5	-5.6	-5.7	-5.8	-5.9	-6.0	-6.1	-6.2	-6.3	-6.7	-7.1	-7.5	-7.9	-8.3	-8.6	-8.8	-9.0
SOUTH KOREA	-8.8	-8.1	-9.0	-9.3	-9.6	-9.8	-10.1	-10.4	-10.7	-11.0	-11.4	-13.0	-14.8	-16.7	-18.9	-21.2	-23.6	-26.1	-28.8
CHINA	4.7	1.6	-7.1	-7.2	-7.3	-7.5	-7.7	-8.0	-8.3	-8.6	-8.9	-10.0	-11.3	-12.8	-14.5	-16.4	-18.6	-21.1	-24.0
INDIA	-0.4	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDONESIA	-1.3	-1.4	-1.5	-1.6	-1.8	-1.9	-2.0	-2.1	-2.3	-2.4	-2.6	-3.4	-4.3	-5.5	-6.7	-8.2	-9.9	-11.9	-14.0
MALAYSIA	-2.4	-2.5	-2.6	-2.8	-2.9	-3.0	-3.2	-3.3	-3.5	-3.6	-3.8	-4.6	-5.6	-6.7	-7.9	-9.3	-10.8	-12.5	-14.4
OTHER ASIA, COE	-2.1	-2.1	-3.3	-3.7	-4.1	-4.6	-4.9	-5.3	-5.7	-6.2	-6.6	-8.5	-10.3	-11.8	-12.9	-13.4	-13.3	-12.2	-10.0
AUSTRALIA	4.4	4.5	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.2	4.2	4.3	4.5	4.8	5.1
SOUTH AFRICA	-0.2	1.4	1.0	1.1	1.1	1.2	1.3	1.4	1.5	1.6	1.7	2.3	2.8	3.2	3.6	3.9	4.1	4.3	4.5
N AFRICA & MIDDLE EAST	-21.9	-20.6	-21.5	-21.6	-21.8	-21.9	-22.0	-22.1	-22.2	-22.3	-22.4	-23.5	-24.2	-24.5	-24.7	-24.4	-23.6	-22.3	-20.4
OTHER AFRICA	-1.2	-1.0	-1.7	-2.0	-2.4	-2.7	-2.9	-3.1	-3.3	-3.5	-3.8	-4.5	-5.1	-5.2	-5.0	-4.2	-2.9	-0.8	2.3
SUMMATION	84.2	83.7	93.7	96.1	98.6	101.3	104.2	107.4	111.4	115.7	120.1	140.3	162.7	185.3	208.9	234.3	259.9	275.0	283.8
Balance	0.9	5.0	0.6	0.0	-0.6	-1.1	-1.0	-0.8	-0.4	0.0	0.6	-0.3	1.3	0.9	0.1	1.5	1.2	0.5	0.6

TABLE -- 108

WORLD TOTAL OILSEEDS EX

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
USA	27.8	26.6	27.5	27.8	28.2	28.5	28.8	29.1	29.4	29.7	30.1	31.6	33.2	34.7	36.1	37.5	38.9	40.0	40.9
CANADA	4.6	1.8	3.6	3.8	4.0	4.2	4.4	4.5	4.6	4.7	4.8	5.0	5.2	5.3	5.4	5.5	5.6	5.7	5.7
MEXICO	-5.8	-5.8	-6.1	-6.4	-6.7	-7.0	-7.2	-7.6	-7.9	-8.3	-8.6	-10.6	-13.0	-15.9	-19.4	-23.3	-27.9	-33.2	-39.4
BRAZIL	15.2	14.9	15.7	16.7	17.7	18.7	20.4	22.2	24.2	26.2	28.4	39.9	55.8	72.6	90.1	102.4	118.9	138.0	160.0
ARGENTINA	6.3	8.5	7.6	8.3	9.0	9.7	10.7	11.7	12.8	13.9	15.1	21.5	29.7	38.7	48.7	55.6	64.1	70.1	76.1
OTHER LATIN AMERICA	1.5	1.7	1.4	1.4	1.3	1.3	1.1	1.0	0.8	0.7	0.5	-0.2	-1.3	-2.6	-4.3	-5.7	-7.5	-9.7	-12.2
W EUROPE	-19.0	-18.4	-19.0	-19.4	-19.7	-20.1	-20.5	-20.8	-21.2	-21.5	-21.9	-23.8	-25.7	-27.7	-29.8	-31.9	-33.9	-36.0	-38.0
CENTRAL EUROPE	1.0	1.1	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.6	1.9	2.2	2.6	2.9	3.2	3.6	3.9
FSU-15	1.9	0.8	1.3	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.8	2.0	2.2	2.5	2.7	2.9	3.2	3.4
JAPAN	-7.3	-7.3	-7.5	-7.5	-7.6	-7.7	-7.7	-7.8	-7.9	-7.9	-8.0	-8.3	-8.6	-8.8	-8.8	-8.7	-8.6	-8.6	-8.5
TAIWAN	-2.4	-2.3	-2.5	-2.6	-2.7	-2.8	-2.9	-3.0	-3.0	-3.1	-3.1	-3.4	-3.6	-3.8	-4.0	-4.2	-4.4	-4.5	-4.7
SOUTH KOREA	-1.5	-1.7	-1.7	-1.7	-1.8	-1.8	-1.9	-2.0	-2.0	-2.1	-2.1	-2.5	-2.8	-3.2	-3.7	-4.1	-4.6	-5.1	-5.7
CHINA	-14.9	-14.7	-14.5	-15.9	-17.4	-19.0	-20.5	-22.1	-24.0	-25.9	-28.1	-39.0	-54.1	-70.8	-89.0	-101.5	-115.4	-130.8	-148.2
INDIA	0.1	0.1	-0.7	-0.8	-0.8	-0.9	-0.9	-0.9	-1.0	-1.0	-1.1	-1.2	-1.4	-1.6	-1.8	-1.9	-2.0	-2.1	-2.2
INDONESIA	-1.8	-1.7	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.5	-1.4	-1.3	-1.1	-0.8	-0.6
MALAYSIA	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.8	-0.9	-1.0	-1.2	-1.4	-1.6	-1.9	-2.1	-2.4
OTHER ASIA, COE	-4.1	-4.0	-3.4	-3.5	-3.6	-3.8	-3.9	-4.0	-4.1	-4.2	-4.4	-5.0	-5.7	-6.4	-7.1	-7.9	-8.6	-9.4	-10.2
AUSTRALIA	1.9	1.6	2.1	2.4	2.7	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.7
SOUTH AFRICA	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0
N AFRICA & MIDDLE EAST	-1.9	-2.2	-2.3	-2.6	-2.9	-3.2	-3.6	-4.0	-4.4	-4.8	-5.4	-7.8	-11.2	-14.2	-16.2	-17.2	-18.1	-19.0	-19.9
OTHER AFRICA	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.0	0.0	-0.3	-0.6	-0.8	-1.1	-1.4	-1.7	-2.1	-2.4
SUMMATION	59.9	58.1	60.5	63.0	65.6	68.4	71.4	74.5	77.8	81.3	85.1	104.6	130.9	158.9	188.4	210.4	236.5	263.8	294.0
Balance	1.1	-1.4	0.5	0.3	-0.1	-0.5	-0.4	-0.3	-0.2	-0.2	-0.3	-0.1	0.2	0.2	0.8	-0.6	1.2	0.4	-0.4

TABLE -- 109

WORLD SOYBEANS EXPORT

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
USA	27.5	25.9	27.7	28.0	28.3	28.7	29.0	29.4	29.7	30.1	30.4	32.2	33.9	35.7	37.4	39.1	40.7	42.1	43.4
CANADA	0.5	-0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	-0.1	-0.2	-0.4	-0.7	-0.9	-1.2
MEXICO	-4.4	-4.5	-4.8	-5.1	-5.4	-5.7	-6.0	-6.4	-6.7	-7.1	-7.5	-9.6	-12.1	-15.0	-18.6	-22.5	-27.1	-32.5	-38.7
BRAZIL	15.3	14.9	15.5	16.5	17.5	18.5	20.3	22.1	24.0	26.1	28.3	39.9	55.9	72.7	90.3	102.7	119.2	138.3	160.3
ARGENTINA	6.0	8.0	7.2	7.8	8.5	9.2	10.1	11.2	12.2	13.4	14.6	20.9	29.1	38.0	47.9	54.8	63.1	69.1	75.0
OTHER LATIN AMERICA	1.5	1.8	1.5	1.5	1.5	1.4	1.3	1.1	1.0	0.8	0.7	0.0	-1.1	-2.4	-4.0	-5.4	-7.3	-9.4	-11.9
W EUROPE	-16.0	-16.8	-16.6	-16.9	-17.2	-17.6	-17.9	-18.2	-18.5	-18.9	-19.2	-21.0	-22.8	-24.7	-26.6	-28.6	-30.5	-32.4	-34.3
CENTRAL EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FSU-15	-0.1	-0.2	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.4	-0.5	-0.5	-0.6
JAPAN	-4.8	-4.9	-5.0	-5.0	-5.1	-5.2	-5.2	-5.3	-5.3	-5.4	-5.4	-5.7	-5.8	-6.0	-5.9	-5.8	-5.6	-5.5	-5.3
TAIWAN	-2.4	-2.3	-2.5	-2.6	-2.7	-2.8	-2.9	-3.0	-3.0	-3.1	-3.1	-3.4	-3.6	-3.8	-4.0	-4.2	-4.4	-4.5	-4.7
SOUTH KOREA	-1.4	-1.5	-1.6	-1.7	-1.7	-1.8	-1.8	-1.9	-1.9	-2.0	-2.1	-2.4	-2.7	-3.1	-3.6	-4.0	-4.5	-5.0	-5.6
CHINA	-12.9	-13.8	-13.2	-14.6	-16.1	-17.7	-19.2	-20.9	-22.7	-24.7	-26.9	-37.9	-52.9	-69.5	-87.6	-100.1	-113.9	-129.4	-146.6
INDIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDONESIA	-1.6	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.6	-1.6	-1.6	-1.6	-1.7	-1.6	-1.6	-1.6	-1.5	-1.4
MALAYSIA	-0.5	-0.6	-0.5	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.8	-1.0	-1.2	-1.4	-1.6	-1.8	-2.1	-2.4
OTHER ASIA, COE	-2.7	-2.8	-2.3	-2.4	-2.5	-2.6	-2.6	-2.7	-2.8	-2.9	-3.0	-3.6	-4.1	-4.7	-5.4	-6.1	-6.8	-7.6	-8.3
AUSTRALIA	-0.1	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.3	-0.3	-0.4	-0.5	-0.6	-0.7
SOUTH AFRICA	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
N AFRICA & MIDDLE EAST	-1.8	-2.1	-2.3	-2.6	-2.8	-3.1	-3.5	-3.9	-4.3	-4.7	-5.2	-7.6	-11.0	-13.9	-15.7	-16.7	-17.6	-18.4	-19.2
OTHER AFRICA	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.7	0.9	1.2
SUMMATION	49.8	50.9	51.4	53.6	56.0	58.5	61.4	64.4	67.6	71.1	74.7	93.6	119.3	146.7	175.7	197.5	223.3	250.4	280.4
Balance	2.0	-0.6	1.5	0.9	0.1	-0.7	-0.7	-0.7	-0.7	-0.8	-1.0	-0.7	-0.2	0.0	0.6	-0.8	0.9	0.1	-1.0

TABLE -- 110

WORLD FIVE MAJOR MEALS

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
USA	5.82	5.94	5.40	5.19	4.97	4.74	4.74	4.74	4.74	4.73	4.72	4.65	4.56	4.42	4.22	4.07	3.98	3.92	3.85
CANADA	0.41	0.23	0.68	0.74	0.81	0.89	0.92	0.95	0.98	1.01	1.04	0.97	0.90	0.81	0.72	0.63	0.53	0.42	0.30
MEXICO	-0.38	-0.40	-0.45	-0.49	-0.52	-0.56	-0.58	-0.61	-0.63	-0.64	-0.65	-0.84	-0.98	-1.19	-1.38	-1.76	-2.20	-2.69	-3.25
BRAZIL	9.56	11.14	10.35	10.36	10.36	10.36	10.47	10.58	10.69	10.80	10.91	12.81	12.74	13.43	15.29	17.25	22.05	25.91	30.40
ARGENTINA	16.27	16.29	16.74	17.19	17.65	18.12	18.42	18.73	19.04	19.36	19.68	21.87	24.30	28.33	28.36	32.00	33.57	35.61	38.19
OTHER LATIN AMERICA	-2.37	-2.64	-2.81	-2.94	-3.08	-3.22	-3.32	-3.41	-3.47	-3.51	-3.55	-3.98	-4.35	-4.95	-5.55	-6.62	-7.85	-9.24	-10.83
W Europe	-16.61	-17.19	-17.61	-17.93	-18.25	-18.58	-18.88	-19.20	-19.51	-19.83	-20.16	-21.75	-23.34	-24.89	-26.35	-27.65	-28.74	-29.60	-30.20
CENTRAL EUROPE	-2.16	-2.11	-1.87	-1.86	-1.84	-1.83	-1.81	-1.79	-1.76	-1.74	-1.71	-1.57	-1.36	-1.07	-0.68	-0.46	-0.18	0.16	0.56
FSU-15	-0.23	-0.33	-0.44	-0.44	-0.44	-0.45	-0.49	-0.54	-0.60	-0.65	-0.71	-1.05	-1.42	-1.83	-2.33	-2.97	-3.70	-4.50	-5.39
JAPAN	-0.71	-0.75	-0.78	-0.80	-0.82	-0.84	-0.85	-0.87	-0.88	-0.90	-0.91	-0.97	-1.01	-1.04	-0.96	-0.84	-0.71	-0.59	-0.46
TAIWAN	-0.13	-0.13	-0.16	-0.17	-0.18	-0.18	-0.19	-0.19	-0.20	-0.20	-0.20	-0.22	-0.24	-0.25	-0.26	-0.28	-0.29	-0.30	-0.31
SOUTH KOREA	-1.88	-1.70	-1.89	-1.96	-2.03	-2.10	-2.17	-2.25	-2.33	-2.41	-2.49	-2.92	-3.40	-3.95	-4.55	-5.21	-5.92	-6.67	-7.44
CHINA	0.20	0.20	0.20	0.36	0.57	0.81	1.16	1.55	2.02	2.55	3.16	4.49	6.31	7.11	9.11	9.05	8.75	8.30	7.69
INDIA	2.33	3.30	2.98	3.10	3.22	3.36	3.45	3.55	3.65	3.76	3.87	4.36	4.98	5.75	6.68	7.80	9.10	10.60	12.33
INDONESIA	-1.36	-1.42	-1.47	-1.55	-1.63	-1.72	-1.82	-1.92	-2.02	-2.13	-2.25	-2.87	-3.43	-4.06	-4.80	-5.65	-6.61	-7.71	-8.95
MALAYSIA	-0.64	-0.65	-0.72	-0.75	-0.78	-0.81	-0.84	-0.87	-0.91	-0.94	-0.98	-1.17	-1.40	-1.66	-1.96	-2.29	-2.66	-3.07	-3.54
Other Asia, COE	-3.76	-3.74	-3.08	-3.22	-3.35	-3.50	-3.63	-3.77	-3.92	-4.07	-4.23	-5.02	-5.88	-6.78	-7.74	-8.73	-9.74	-10.77	-11.79
AUSTRALIA	-0.40	-0.38	-0.29	-0.26	-0.22	-0.18	-0.21	-0.25	-0.29	-0.33	-0.37	-0.60	-0.88	-1.21	-1.59	-2.04	-2.56	-3.16	-3.65
SOUTH AFRICA	-0.49	-0.46	-0.53	-0.55	-0.58	-0.60	-0.62	-0.64	-0.65	-0.67	-0.69	-0.78	-0.80	-0.73	-0.67	-0.62	-0.58	-0.56	-0.55
N AFRICA & MIDDLE EAST	-3.70	-3.52	-3.90	-4.02	-4.14	-4.25	-4.36	-4.46	-4.55	-4.62	-4.68	-5.40	-5.96	-6.50	-6.18	-6.55	-6.90	-7.23	-7.54
OTHER AFRICA	0.38	0.38	0.35	0.36	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.42	0.47	0.52	0.59	0.67	0.76	0.86	0.98
SUMMATION	34.9	36.4	36.4	37.1	37.9	38.7	39.7	40.6	41.6	42.6	43.7	49.4	54.3	60.2	65.0	71.6	78.7	85.9	94.1
Balance	0.2	2.0	0.7	0.4	0.1	-0.2	-0.3	-0.3	-0.2	-0.1	0.2	0.4	-0.2	0.2	0.0	-0.2	0.1	-0.3	0.4

TABLE -- 111

Grain Export and Barge Movement Summary (million metric tons)

Summary	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Corn																					
USA Exports	49.8	48.8	49.1	50.9	50.5	51.6	52.7	53.8	54.4	55.1	55.7	56.4	57.1	61.2	66.0	71.4	77.3	84.2	92.5	90.6	87.9
Center Gulf Exports	37.5	36.3	35.9	36.2	36.6	37.3	38.1	38.9	39.4	39.8	40.3	40.8	41.3	44.3	47.8	51.6	55.9	61.0	66.9	65.6	63.6
Barge Movements	23.2	27.8	24.0	25.6	27.0	27.5	28.1	28.7	29.0	29.4	29.7	30.1	30.4	32.7	35.2	38.1	41.2	44.9	49.3	48.3	46.9
Upper Mississippi	12.7	15.8	13.2	15.4	15.0	15.3	15.7	16.0	16.2	16.4	16.6	16.8	17.0	18.2	19.6	21.2	23.0	25.0	27.5	26.9	26.1
Illinois Waterway	10.5	12.0	10.8	10.2	11.9	12.2	12.4	12.7	12.8	13.0	13.2	13.3	13.5	14.5	15.6	16.8	18.2	19.9	21.8	21.4	20.8
Soybeans																					
USA Exports	21.8	27.0	27.5	25.9	27.7	28.0	28.3	28.7	29.0	29.4	29.7	30.1	30.4	32.2	33.9	35.7	37.4	39.1	40.7	42.1	43.4
Center Gulf Exports	16.8	19.5	19.4	19.8	20.1	20.3	20.6	20.8	21.1	21.3	21.6	21.8	22.1	23.4	24.6	25.9	27.2	28.4	29.5	30.6	31.5
Barge Movements	8.3	10.4	10.2	7.8	10.5	10.6	10.8	10.9	11.0	11.1	11.3	11.4	11.5	12.2	12.9	13.5	14.2	14.8	15.4	16.0	16.5
Upper Mississippi	5.0	6.2	5.9	4.9	6.1	6.1	6.2	6.3	6.4	6.4	6.5	6.6	6.7	7.1	7.4	7.8	8.2	8.6	8.9	9.2	9.5
Illinois Waterway	3.3	4.2	4.3	2.9	4.4	4.5	4.5	4.6	4.6	4.7	4.8	4.8	4.9	5.2	5.4	5.7	6.0	6.3	6.5	6.7	6.9
Wheat																					
USA Exports	25.6	26.5	25.7	22.9	22.9	22.8	22.6	22.5	22.4	22.2	22.1	21.9	21.8	20.9	19.9	18.8	17.4	16.0	14.4	12.7	10.8
Center Gulf Exports	6.2	7.3	6.6	5.4	5.3	5.2	5.2	5.2	5.1	5.1	5.1	5.0	5.0	4.8	4.6	4.3	4.0	3.7	3.3	2.9	2.5
Barge Movements	0.7	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.4
Upper Mississippi	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.2
Illinois Waterway	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
Meal																					
USA Exports	5.5	5.7	5.8	5.9	5.4	5.2	5.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.4	4.2	4.1	4.0	3.9	3.9
Center Gulf Exports	6.6	5.0	4.9	5.2	4.2	4.0	3.8	3.6	3.7	3.7	3.6	3.6	3.6	3.6	3.5	3.4	3.3	3.1	3.1	3.0	3.0
Barge Movements	1.8	1.7	1.7	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
Upper Mississippi	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
Illinois Waterway	1.3	1.1	1.1	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8

Upper Mississippi River and Illinois Waterway
Navigation Study
May 1, 2002

Appendix B – Most Favorable Scenario

Table of Contents

Export and Barge Summary

Table 1 -- Grain Export and Barge Movement Summary (million metric tons)..... 1
Table 2 -- Population (million)..... 2
Table 3 -- Population (annual percentage change)..... 3

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TABLE -- 1

Grain Export and Barge Movement Summary (million metric tons)

Summary	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Corn																					
USA Exports	49.8	48.8	49.1	50.9	50.6	52.4	54.1	56.2	57.0	57.8	58.6	59.3	60.0	70.3	76.4	84.5	93.7	103.5	116.6	114.1	109.6
Center Gulf Exports	37.5	36.3	35.9	36.2	36.6	37.9	39.1	40.6	41.2	41.8	42.4	42.9	43.4	50.8	55.3	61.1	67.8	74.9	84.3	82.6	79.3
Barge Movements	23.2	27.8	24.0	25.6	27.0	27.9	28.9	30.0	30.4	30.8	31.2	31.6	32.0	37.5	40.8	45.1	50.0	55.2	62.2	60.9	58.4
Upper Mississippi	12.7	15.8	13.2	15.4	15.0	15.6	16.1	16.7	16.9	17.2	17.4	17.6	17.8	20.9	22.7	25.1	27.9	30.8	34.7	33.9	32.6
Illinois Waterway	10.5	12.0	10.8	10.2	12.0	12.4	12.8	13.3	13.5	13.6	13.8	14.0	14.2	16.6	18.0	19.9	22.1	24.4	27.5	26.9	25.9
Soybeans																					
USA Exports	21.8	27.0	27.5	25.9	27.0	27.8	28.6	29.4	29.9	30.3	30.7	31.2	31.7	33.5	35.2	37.0	36.6	37.0	36.0	34.8	32.5
Center Gulf Exports	16.8	19.5	19.4	19.8	19.6	20.2	20.8	21.4	21.7	22.0	22.3	22.7	23.0	24.3	25.6	26.8	26.6	26.8	26.2	25.3	23.6
Barge Movements	8.3	10.4	10.2	7.8	10.2	10.5	10.8	11.2	11.3	11.5	11.7	11.8	12.0	12.7	13.4	14.0	13.9	14.0	13.7	13.2	12.3
Upper Mississippi	5.0	6.2	5.9	4.9	5.9	6.1	6.3	6.5	6.5	6.6	6.7	6.8	6.9	7.3	7.7	8.1	8.0	8.1	7.9	7.6	7.1
Illinois Waterway	3.3	4.2	4.3	2.9	4.3	4.4	4.6	4.7	4.8	4.8	4.9	5.0	5.1	5.4	5.6	5.9	5.9	5.9	5.8	5.6	5.2
Wheat																					
USA Exports	25.6	26.5	25.7	22.9	23.2	23.3	23.3	23.5	23.3	23.1	23.0	22.8	22.6	22.7	22.2	21.6	20.9	19.3	16.9	13.6	9.2
Center Gulf Exports	6.2	7.3	6.6	5.4	5.3	5.3	5.3	5.4	5.3	5.3	5.3	5.2	5.2	5.2	5.1	5.0	4.8	4.4	3.9	3.1	2.1
Barge Movements	0.7	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.5	0.3
Upper Mississippi	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2
Illinois Waterway	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
Meal																					
USA Exports	5.5	5.7	5.8	5.9	5.3	5.1	4.9	4.7	4.6	4.6	4.5	4.4	4.3	4.2	4.1	3.8	4.0	4.1	4.2	4.2	4.0
Center Gulf Exports	6.6	5.0	4.9	5.2	4.1	3.9	3.8	3.6	3.6	3.5	3.5	3.4	3.3	3.3	3.2	2.9	3.1	3.2	3.2	3.2	3.1
Barge Movements	1.8	1.7	1.7	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.6
Upper Mississippi	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Illinois Waterway	1.3	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

TABLE -- 2

Population

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
			Million													
USA	218	230	241	253	266	278	292	308	324	341	359	378	399	421	444	468
CANADA	24	25	26	28	30	32	33	35	37	38	40	41	42	44	45	46
MEXICO	62	70	78	86	94	102	110	119	128	137	145	154	162	171	179	187
BRAZIL	112	126	140	153	165	174	184	194	203	211	219	227	234	242	249	256
ARGENTINA	26	29	31	33	35	37	40	42	45	47	49	52	54	56	58	60
OTHER LATIN AMERICA	131	145	161	178	196	213	232	251	271	292	313	333	354	374	395	415
W Europe	362	368	371	379	386	392	396	399	402	404	404	403	401	398	394	390
CENTRAL EUROPE	113	117	120	122	121	121	121	121	121	120	119	118	116	115	113	112
FSU-15	257	268	281	291	292	290	291	296	302	306	310	314	320	326	332	337
JAPAN	113	118	121	124	126	127	128	128	127	125	122	120	117	114	112	109
TAIWAN	16	18	20	20	21	22	23	24	25	25	25	26	26	25	25	24
SOUTH KOREA	36	39	41	43	46	48	50	52	53	54	55	56	56	56	56	56
CHINA	932	998	1071	1153	1216	1273	1334	1386	1438	1493	1541	1582	1616	1645	1671	1695
INDIA	636	705	785	867	949	1030	1114	1202	1295	1390	1483	1574	1668	1762	1858	1953
INDONESIA	78	78	78	80	82	83	85	87	89	91	93	94	95	97	97	98
MALAYSIA	13	14	16	18	20	22	25	27	30	33	36	39	42	45	48	51
Other Asia, COE	448	502	560	620	682	744	812	883	955	1025	1095	1166	1237	1308	1377	1445
AUSTRALIA	18	19	21	22	24	26	27	29	31	32	34	35	37	38	39	40
SOUTH AFRICA	26	30	34	39	42	44	43	42	40	39	38	37	37	38	39	41
N AFRICA & MIDDLE EAST	163	191	225	259	290	321	357	398	441	485	529	576	624	674	725	776
OTHER AFRICA	314	362	420	486	556	632	715	801	895	996	1106	1226	1358	1503	1661	1832
TOTAL	4097	4454	4840	5254	5640	6011	6412	6823	7250	7684	8113	8549	8996	9452	9917	10393

TABLE -- 3

Population	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
		(annual percentage change)													
USA	1.07	0.91	0.98	1.00	0.93	1.01	1.03	1.06	1.03	1.03	1.05	1.06	1.07	1.07	1.08
CANADA	1.15	1.05	1.42	1.26	1.06	1.05	0.98	0.92	0.86	0.77	0.68	0.61	0.57	0.54	0.55
MEXICO	2.41	2.11	1.97	1.80	1.61	1.60	1.54	1.44	1.32	1.23	1.16	1.09	1.02	0.94	0.88
BRAZIL	2.45	2.15	1.84	1.48	1.10	1.08	1.06	0.90	0.78	0.72	0.70	0.68	0.64	0.59	0.56
ARGENTINA	1.64	1.46	1.40	1.27	1.19	1.22	1.20	1.14	1.06	0.96	0.89	0.84	0.80	0.75	0.69
OTHER LATIN AMERICA	2.11	2.11	2.06	1.92	1.71	1.67	1.62	1.56	1.47	1.38	1.29	1.21	1.13	1.07	1.01
W Europe	0.31	0.19	0.41	0.38	0.27	0.23	0.17	0.13	0.08	0.02	-0.04	-0.11	-0.15	-0.18	-0.21
CENTRAL EUROPE	0.72	0.49	0.23	-0.12	-0.02	-0.02	0.00	-0.03	-0.10	-0.17	-0.22	-0.24	-0.24	-0.23	-0.24
FSU-15	0.87	0.91	0.70	0.11	-0.12	0.06	0.30	0.40	0.30	0.24	0.30	0.36	0.37	0.33	0.31
JAPAN	0.85	0.64	0.41	0.26	0.19	0.17	0.01	-0.17	-0.32	-0.41	-0.44	-0.45	-0.45	-0.44	-0.46
TAIWAN	2.01	1.47	0.94	0.93	0.84	0.77	0.66	0.50	0.35	0.23	0.13	0.01	-0.14	-0.29	-0.39
SOUTH KOREA	1.55	1.25	0.99	1.06	0.97	0.86	0.68	0.50	0.38	0.33	0.28	0.19	0.06	-0.04	-0.08
CHINA	1.38	1.42	1.49	1.07	0.92	0.94	0.77	0.74	0.76	0.63	0.52	0.43	0.36	0.32	0.28
INDIA	2.11	2.15	2.02	1.83	1.65	1.58	1.53	1.51	1.42	1.30	1.21	1.16	1.11	1.06	1.01
INDONESIA	-0.01	-0.16	0.58	0.47	0.28	0.49	0.54	0.47	0.39	0.32	0.30	0.29	0.23	0.17	0.14
MALAYSIA	2.35	2.48	2.36	2.28	2.09	1.97	1.94	1.95	1.89	1.76	1.63	1.52	1.45	1.40	1.35
Other Asia, COE	2.32	2.19	2.06	1.95	1.74	1.78	1.68	1.57	1.43	1.33	1.26	1.20	1.12	1.04	0.96
AUSTRALIA	1.59	1.63	1.64	1.47	1.36	1.26	1.18	1.09	1.02	0.92	0.82	0.74	0.68	0.64	0.61
SOUTH AFRICA	2.56	2.74	2.54	1.51	0.73	-0.11	-0.84	-0.83	-0.60	-0.42	-0.21	0.02	0.28	0.55	0.78
N AFRICA & MIDDLE EAST	3.28	3.34	2.78	2.32	2.05	2.14	2.19	2.09	1.92	1.78	1.68	1.62	1.56	1.47	1.38
OTHER AFRICA	2.89	2.97	2.97	2.75	2.60	2.49	2.31	2.24	2.16	2.11	2.09	2.07	2.05	2.01	1.98
TOTAL	1.68	1.68	1.65	1.43	1.28	1.30	1.25	1.22	1.17	1.09	1.05	1.02	0.99	0.97	0.94

Upper Mississippi River and Illinois Waterway
Navigation Study
May 1, 2002

Appendix C – Favorable Scenario

Table of Contents

Export and Barge Summary

Table 1 -- Grain Export and Barge Movement Summary (million metric tons)..... 1

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TABLE -- 1

Grain Export and Barge Movement Summary (million metric tons)

Summary	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Corn																					
USA Exports	49.8	48.8	49.1	50.9	50.2	51.6	53.0	54.7	55.0	55.3	55.5	55.8	56.0	64.9	69.3	75.1	81.6	88.5	97.5	96.1	93.8
Center Gulf Exports	37.5	36.3	35.9	36.2	36.3	37.3	38.3	39.6	39.8	40.0	40.2	40.4	40.6	47.0	50.1	54.3	59.0	64.1	70.5	69.6	67.9
Barge Movements	23.2	27.8	24.0	25.6	26.8	27.5	28.3	29.2	29.3	29.5	29.6	29.8	29.9	34.6	36.9	40.0	43.5	47.2	52.0	51.3	50.0
Upper Mississippi	12.7	15.8	13.2	15.4	14.9	15.3	15.8	16.3	16.3	16.4	16.5	16.6	16.7	19.3	20.6	22.3	24.3	26.3	29.0	28.6	27.9
Illinois Waterway	10.5	12.0	10.8	10.2	11.9	12.2	12.5	12.9	13.0	13.0	13.1	13.2	13.2	15.3	16.4	17.7	19.3	20.9	23.0	22.7	22.1
Soybeans																					
USA Exports	21.8	27.0	27.5	25.9	26.8	27.5	28.3	29.0	29.4	29.7	30.0	30.4	30.8	32.4	34.0	35.7	37.9	40.4	41.7	43.3	44.8
Center Gulf Exports	16.8	19.5	19.4	19.8	19.5	20.0	20.5	21.1	21.3	21.6	21.8	22.1	22.4	23.5	24.7	25.9	27.5	29.3	30.3	31.5	32.5
Barge Movements	8.3	10.4	10.2	7.8	10.2	10.4	10.7	11.0	11.1	11.3	11.4	11.5	11.7	12.3	12.9	13.5	14.4	15.3	15.8	16.4	17.0
Upper Mississippi	5.0	6.2	5.9	4.9	5.9	6.0	6.2	6.4	6.4	6.5	6.6	6.7	6.8	7.1	7.5	7.8	8.3	8.8	9.1	9.5	9.8
Illinois Waterway	3.3	4.2	4.3	2.9	4.3	4.4	4.5	4.7	4.7	4.8	4.8	4.9	4.9	5.2	5.4	5.7	6.1	6.5	6.7	6.9	7.2
Wheat																					
USA Exports	25.6	26.5	25.7	22.9	23.1	23.1	23.0	23.1	22.8	22.6	22.4	22.2	22.0	21.1	19.8	18.6	17.5	16.0	14.3	12.6	10.5
Center Gulf Exports	6.2	7.3	6.6	5.4	5.3	5.3	5.3	5.3	5.2	5.2	5.1	5.1	5.0	4.8	4.5	4.3	4.0	3.7	3.3	2.9	2.4
Barge Movements	0.7	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.4
Upper Mississippi	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.2
Illinois Waterway	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
Meal																					
USA Exports	5.5	5.7	5.8	5.9	5.3	5.1	5.0	4.8	4.8	4.8	4.8	4.7	4.7	4.6	4.6	4.4	4.3	4.1	4.0	4.0	3.0
Center Gulf Exports	6.6	5.0	4.9	5.2	4.1	4.0	3.8	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.5	3.4	3.3	3.2	3.1	3.1	2.3
Barge Movements	1.8	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.5
Upper Mississippi	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3
Illinois Waterway	1.3	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.6

Appendix D – Hypoxia Scenario

Table of Contents

Export and Barge Summary

Table 1 -- Grain Export and Barge Movement Summary (million metric tons)..... 1

© 2002 Sparks Companies, Inc.

TABLE -- 1

Grain Export and Barge Movement Summary (million metric tons)

Summary	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Corn																					
USA Exports	49.8	48.8	49.1	50.9	50.2	51.6	53.0	54.4	54.9	52.0	52.4	52.7	52.9	56.9	60.5	65.5	71.2	77.1	85.0	82.7	79.2
Center Gulf Exports	37.5	36.3	35.9	36.2	36.3	37.3	38.3	39.3	39.7	37.7	37.9	38.1	38.3	41.2	43.8	47.4	51.5	55.8	61.5	59.8	57.3
Barge Movements	23.2	27.8	24.0	25.6	26.8	27.5	28.3	29.0	29.3	27.8	27.9	28.1	28.2	30.4	32.3	34.9	38.0	41.1	45.3	44.1	42.3
Upper Mississippi	12.7	15.8	13.2	15.4	14.9	15.3	15.8	16.2	16.3	15.5	15.6	15.7	15.7	16.9	18.0	19.5	21.2	22.9	25.3	24.6	23.6
Illinois Waterway	10.5	12.0	10.8	10.2	11.9	12.2	12.5	12.8	13.0	12.3	12.4	12.4	12.5	13.4	14.3	15.5	16.8	18.2	20.1	19.5	18.7
Soybeans																					
USA Exports	21.8	27.0	27.5	25.9	26.8	27.5	28.3	29.0	29.3	29.1	29.4	29.7	30.0	31.3	32.7	34.0	35.1	36.5	37.3	38.5	39.3
Center Gulf Exports	16.8	19.5	19.4	19.8	19.5	20.0	20.5	21.1	21.3	21.1	21.3	21.5	21.8	22.8	23.7	24.7	25.5	26.5	27.1	27.9	28.5
Barge Movements	8.3	10.4	10.2	7.8	10.2	10.4	10.7	11.0	11.1	11.0	11.1	11.3	11.4	11.9	12.4	12.9	13.3	13.9	14.2	14.6	14.9
Upper Mississippi	5.0	6.2	5.9	4.9	5.9	6.0	6.2	6.4	6.4	6.4	6.4	6.5	6.6	6.9	7.2	7.4	7.7	8.0	8.2	8.4	8.6
Illinois Waterway	3.3	4.2	4.3	2.9	4.3	4.4	4.5	4.7	4.7	4.7	4.7	4.8	4.8	5.0	5.2	5.4	5.6	5.9	6.0	6.2	6.3
Wheat																					
USA Exports	25.6	26.5	25.7	22.9	23.1	23.1	23.0	23.0	22.8	17.1	16.8	16.5	16.2	14.9	13.3	11.9	10.3	8.3	6.3	4.2	1.7
Center Gulf Exports	6.2	7.3	6.6	5.4	5.3	5.3	5.3	5.3	5.2	3.9	3.8	3.8	3.7	3.4	3.1	2.7	2.4	1.9	1.4	1.0	0.4
Barge Movements	0.7	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.3	0.3	0.2	0.1	0.1
Upper Mississippi	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0
Illinois Waterway	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Meal																					
USA Exports	5.5	5.7	5.8	5.9	5.3	5.1	5.0	4.8	4.8	3.7	3.7	3.7	3.7	3.5	3.5	3.3	3.2	3.2	3.2	3.1	3.0
Center Gulf Exports	6.6	5.0	4.9	5.2	4.1	4.0	3.8	3.7	3.7	2.9	2.9	2.9	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.4	2.3
Barge Movements	1.8	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5
Upper Mississippi	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
Illinois Waterway	1.3	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6

Appendix E – Least Favorable Scenario

Table of Contents

Export and Barge Summary

Table 1 -- Grain Export and Barge Movement Summary (million metric tons)..... 1
Table 2 -- Population (million)..... 2
Table 3 -- Population (annual percentage change)..... 3

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TABLE -- 1

Grain Export and Barge Movement Summary (million metric tons)

Summary	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Corn																					
USA Exports	49.8	48.8	49.1	50.9	45.3	46.1	46.8	42.1	41.4	40.7	39.9	39.0	38.1	35.9	32.2	28.7	26.5	23.4	20.7	11.3	1.3
Center Gulf Exports	37.5	36.3	35.9	36.2	32.8	33.3	33.8	30.4	30.0	29.4	28.9	28.2	27.5	26.0	23.3	20.8	19.2	17.0	15.0	8.2	1.0
Barge Movements	23.2	27.8	24.0	25.6	24.2	24.6	25.0	22.4	22.1	21.7	21.3	20.8	20.3	19.2	17.2	15.3	14.1	12.5	11.1	6.1	0.7
Upper Mississippi	12.7	15.8	13.2	15.4	13.5	13.7	13.9	12.5	12.3	12.1	11.9	11.6	11.3	10.7	9.6	8.5	7.9	7.0	6.2	3.4	0.4
Illinois Waterway	10.5	12.0	10.8	10.2	10.7	10.9	11.0	9.9	9.8	9.6	9.4	9.2	9.0	8.5	7.6	6.8	6.3	5.5	4.9	2.7	0.3
Soybeans																					
USA Exports	21.8	27.0	27.5	25.9	26.5	27.1	27.6	27.4	27.4	27.4	27.5	27.5	27.6	27.4	27.1	26.8	26.9	28.3	28.4	29.0	29.7
Center Gulf Exports	16.8	19.5	19.4	19.8	19.3	19.6	20.0	19.9	19.9	19.9	20.0	20.0	20.0	19.9	19.7	19.5	19.5	20.5	20.6	21.1	21.6
Barge Movements	8.3	10.4	10.2	7.8	10.1	10.3	10.5	10.4	10.4	10.4	10.4	10.4	10.5	10.4	10.3	10.2	10.2	10.7	10.8	11.0	11.3
Upper Mississippi	5.0	6.2	5.9	4.9	5.8	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	6.2	6.2	6.4	6.5
Illinois Waterway	3.3	4.2	4.3	2.9	4.2	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.5	4.5	4.6	4.8
Wheat																					
USA Exports	25.6	26.5	25.7	22.9	21.2	20.9	20.7	18.1	17.7	17.2	16.7	16.3	15.8	13.8	11.7	9.8	8.0	6.3	4.8	3.7	2.8
Center Gulf Exports	6.2	7.3	6.6	5.4	4.8	4.8	4.7	4.2	4.0	3.9	3.8	3.7	3.6	3.2	2.7	2.3	1.8	1.4	1.1	0.8	0.7
Barge Movements	0.7	0.9	0.9	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.1	0.1
Upper Mississippi	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1
Illinois Waterway	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Meal																					
USA Exports	5.5	5.7	5.8	5.9	5.3	5.2	5.0	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	2.9	2.8	2.8	2.8	2.8	2.8
Center Gulf Exports	6.6	5.0	4.9	5.2	4.1	4.0	3.9	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.2	2.1
Barge Movements	1.8	1.7	1.7	0.8	0.8	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4
Upper Mississippi	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Illinois Waterway	1.3	1.1	1.1	1.1	1.1	1.0	1.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.6	0.5

TABLE -- 2

Population

	'75a	'80a	'85a	'90a	'95a	'00a	'05e	'10e	'15e	'20e	'25e	'30e	'35	'40e	'45e	'50e
			Million													
USA	218	230	241	253	266	278	289	299	309	318	327	336	344	350	356	361
CANADA	24	25	26	28	30	32	33	34	35	36	37	38	38	38	38	38
MEXICO	62	70	78	86	94	102	108	114	118	122	125	127	128	128	127	125
BRAZIL	112	126	140	153	165	174	179	182	184	184	184	182	179	175	170	164
ARGENTINA	26	29	31	33	35	37	39	41	42	43	43	43	43	43	42	41
OTHER LATIN AMERICA	131	145	161	178	196	213	229	242	255	265	275	282	287	290	291	290
W Europe	362	368	371	379	386	392	395	396	395	392	388	381	373	362	349	334
CENTRAL EUROPE	113	117	120	122	121	121	120	120	118	116	114	111	108	103	99	94
FSU-15	257	268	281	291	292	290	290	291	292	292	290	288	285	281	274	267
JAPAN	113	118	121	124	126	127	127	126	124	121	117	113	108	103	98	93
TAIWAN	16	18	20	20	21	22	23	24	25	25	25	26	26	25	25	24
SOUTH KOREA	36	39	41	43	46	48	50	51	52	52	52	52	51	50	48	46
CHINA	932	998	1071	1153	1216	1273	1316	1341	1359	1377	1385	1379	1360	1328	1289	1244
INDIA	636	705	785	867	949	1030	1102	1165	1217	1261	1298	1326	1345	1353	1353	1343
INDONESIA	78	78	78	80	82	83	83	82	81	80	78	76	73	70	66	63
MALAYSIA	13	14	16	18	20	22	24	26	28	30	31	33	34	35	36	36
Other Asia, COE	448	502	560	620	682	744	798	844	886	923	953	976	990	997	997	990
AUSTRALIA	18	19	21	22	24	26	27	29	30	31	32	33	34	34	35	35
SOUTH AFRICA	26	30	34	39	42	44	42	40	37	34	32	30	28	27	26	26
N AFRICA & MIDDLE EAST	163	191	225	259	290	321	349	378	407	435	461	484	504	521	536	547
OTHER AFRICA	314	362	420	486	556	632	704	773	845	919	993	1068	1141	1215	1289	1362
TOTAL	4097	4454	4840	5254	5640	6011	6329	6598	6838	7056	7241	7383	7479	7530	7543	7522

TABLE -- 3

Population	'75a to '80a	'80a to '85a	'85a to '90a	'90a to '95a	95 to '00a	00a to '05e	05e to '10e	10e to '15e	15e to '20e	20e to '25e	25e to '30e	30e to '35e	35e to '40e	40e to '45e	45e to '50e
		(annual percentage change)													
USA	1.07	0.91	0.98	1.00	0.93	0.79	0.69	0.62	0.60	0.57	0.53	0.45	0.38	0.32	0.29
CANADA	1.15	1.05	1.42	1.26	1.06	0.83	0.74	0.67	0.58	0.44	0.27	0.12	0.01	-0.07	-0.11
MEXICO	2.41	2.11	1.97	1.80	1.61	1.24	0.96	0.77	0.63	0.48	0.33	0.16	-0.01	-0.18	-0.34
BRAZIL	2.45	2.15	1.84	1.48	1.10	0.55	0.28	0.18	0.09	-0.04	-0.19	-0.34	-0.47	-0.59	-0.71
ARGENTINA	1.64	1.46	1.40	1.27	1.19	0.96	0.74	0.55	0.37	0.25	0.12	-0.03	-0.17	-0.31	-0.44
OTHER LATIN AMERICA	2.11	2.11	2.06	1.92	1.71	1.40	1.17	0.99	0.84	0.69	0.53	0.36	0.20	0.06	-0.07
W Europe	0.31	0.19	0.41	0.38	0.27	0.18	0.05	-0.06	-0.14	-0.23	-0.33	-0.46	-0.59	-0.73	-0.85
CENTRAL EUROPE	0.72	0.49	0.23	-0.12	-0.02	-0.07	-0.15	-0.23	-0.32	-0.42	-0.52	-0.63	-0.76	-0.87	-0.95
FSU-15	0.87	0.91	0.70	0.11	-0.12	-0.02	0.06	0.10	-0.02	-0.12	-0.14	-0.20	-0.32	-0.47	-0.57
JAPAN	0.85	0.64	0.41	0.26	0.19	0.06	-0.13	-0.35	-0.52	-0.65	-0.75	-0.85	-0.94	-1.01	-1.10
TAIWAN	2.01	1.47	0.94	0.93	0.84	0.77	0.66	0.50	0.35	0.23	0.13	0.01	-0.14	-0.29	-0.39
SOUTH KOREA	1.55	1.25	0.99	1.06	0.97	0.74	0.52	0.30	0.13	0.00	-0.15	-0.33	-0.52	-0.69	-0.83
CHINA	1.38	1.42	1.49	1.07	0.92	0.66	0.38	0.28	0.25	0.12	-0.08	-0.28	-0.47	-0.60	-0.71
INDIA	2.11	2.15	2.02	1.83	1.65	1.36	1.11	0.88	0.71	0.58	0.43	0.28	0.13	-0.01	-0.14
INDONESIA	-0.01	-0.16	0.58	0.47	0.28	-0.04	-0.24	-0.26	-0.31	-0.44	-0.58	-0.72	-0.87	-1.00	-1.12
MALAYSIA	2.35	2.48	2.36	2.28	2.09	1.77	1.55	1.35	1.19	1.07	0.91	0.74	0.57	0.42	0.30
Other Asia, COE	2.32	2.19	2.06	1.95	1.74	1.41	1.14	0.97	0.82	0.65	0.47	0.30	0.14	-0.01	-0.15
AUSTRALIA	1.59	1.63	1.64	1.47	1.36	1.19	1.06	0.93	0.81	0.67	0.52	0.37	0.23	0.11	-0.01
SOUTH AFRICA	2.56	2.74	2.54	1.51	0.73	-0.53	-1.37	-1.51	-1.47	-1.38	-1.26	-1.09	-0.86	-0.62	-0.44
N AFRICA & MIDDLE EAST	3.28	3.34	2.78	2.32	2.05	1.70	1.62	1.49	1.34	1.16	0.97	0.81	0.68	0.54	0.41
OTHER AFRICA	2.89	2.97	2.97	2.75	2.60	2.17	1.90	1.79	1.69	1.58	1.45	1.35	1.26	1.19	1.10
TOTAL	1.68	1.68	1.65	1.43	1.28	1.04	0.84	0.72	0.63	0.52	0.39	0.26	0.14	0.03	-0.06

Upper Mississippi River and Illinois Waterway
Navigation Study
May 1, 2002

Appendix F – Other Commodity Barge Demand

Table of Contents

Export and Barge Summary

Table 1 -- Grain Export and Barge Movement Summary (million metric tons)..... 1

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TABLE -- 1

Other Commodity Barge Movement Summary (million metric tons)

Summary	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2015	2020	2025	2030	2035	2040	2045	2050
Coal & Coke																					
Barge Movements	9.3	8.9	8.2	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	9.0	9.4	9.8	10.1	10.5	10.9
Upper Mississippi	6.5	6.4	6.0	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.6	6.8	7.0	7.3	7.5	7.7
Illinois Waterway	2.7	2.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.6	2.7	2.9	3.0	3.2
Petroleum Products																					
Barge Movements	9.1	8.2	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.1	9.1	9.2	9.2	9.3	9.4	9.4	9.4	9.4	9.3	9.2	9.1
Upper Mississippi	3.5	3.1	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.0	2.9	2.8
Illinois Waterway	5.6	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.9	5.9	6.0	6.0	6.1	6.2	6.3	6.3	6.3	6.3	6.3	6.3
Fertilizers																					
Barge Movements	3.1	2.9	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.7	2.7	2.6
Upper Mississippi	2.0	1.9	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6
Illinois Waterway	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Construction Materials																					
Barge Movements	7.8	9.5	10.0	9.2	9.3	9.4	9.5	9.5	9.6	9.7	9.8	9.9	10.0	10.5	10.9	11.4	11.8	12.3	12.7	13.2	13.6
Upper Mississippi	4.1	4.7	5.2	4.8	4.8	4.9	4.9	5.0	5.0	5.1	5.2	5.2	5.3	5.6	5.9	6.2	6.5	6.8	7.1	7.3	7.6
Illinois Waterway	3.7	4.8	4.8	4.4	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.9	5.0	5.2	5.4	5.5	5.7	5.8	6.0
Industrial Chemicals																					
Barge Movements	4.4	4.1	4.1	4.5	4.5	4.6	4.7	4.7	4.8	4.9	5.0	5.0	5.1	5.6	6.1	6.8	7.5	8.4	9.4	10.6	12.0
Upper Mississippi	0.9	0.9	0.8	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.5	1.6	1.8	2.0	2.2	2.5	2.8
Illinois Waterway	3.4	3.2	3.3	3.4	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.8	3.9	4.2	4.7	5.2	5.7	6.4	7.2	8.1	9.2
Iron & Steel																					
Barge Movements	5.5	5.1	6.4	5.7	5.7	5.9	6.2	6.2	6.3	6.3	6.4	6.5	6.5	6.8	7.1	7.4	7.7	8.1	8.4	8.7	9.0
Upper Mississippi	1.3	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.6	1.6	1.7	1.7	1.8	1.9	1.9
Illinois Waterway	4.2	4.0	5.0	4.4	4.4	4.6	4.8	4.8	4.9	4.9	5.0	5.0	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.8	7.1
Other Products																					
Barge Movements	4.8	4.1	4.7	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.3	5.4	5.9	6.3	6.8	7.3	7.7	8.2	8.6	9.1
Upper Mississippi	2.9	2.7	2.7	2.8	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2	3.3	3.5	3.8	4.1	4.4	4.6	4.9	5.2	5.4
Illinois Waterway	1.9	1.5	2.0	1.8	1.9	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.2	2.3	2.5	2.7	2.9	3.1	3.3	3.4	3.6