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USDA OUTLOOK FOR GRAINS AND OILSEEDS 2003

Agricultural Outlook Forum

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OUTLOOK FOR GRAINS AND OILSEEDS

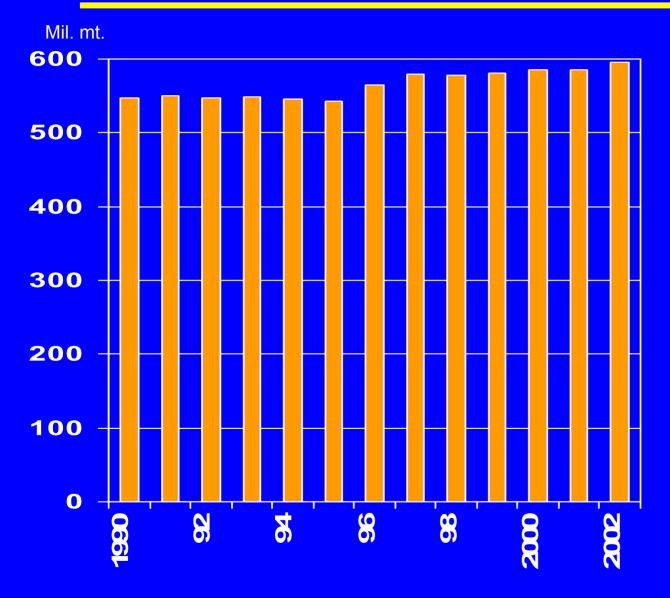
- I. The Setting for 2003
 - Recent Consumption Trends
 - Policy Brief

II. Crop Highlights

- Acreage Prospects
- Wheat
- Corn
- Soybeans and Products



Global Wheat Disappearance, 1990-2002



- World wheat disappearance gains relatively small
- Food use is flattening out
- Feed use showing healthy gains from 2000



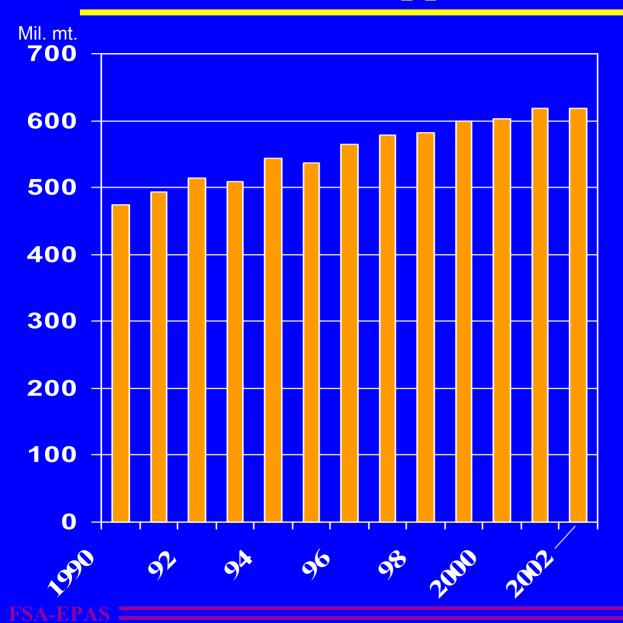
Global Per Capita Wheat Disappearance 1990-2002



- World per capita wheat use trending down
- Sharp drop in early 1990s reflected declines in Former Soviet Union
- 2002 increase due to more wheat feeding



Global Corn Disappearance, 1990-2002



- Global corn use up substantially in the 1990s, surpassing wheat by 1998
- No growth in world corn use in 2002 due to decline in U.S.
- Increasing feed use accounts for most gains



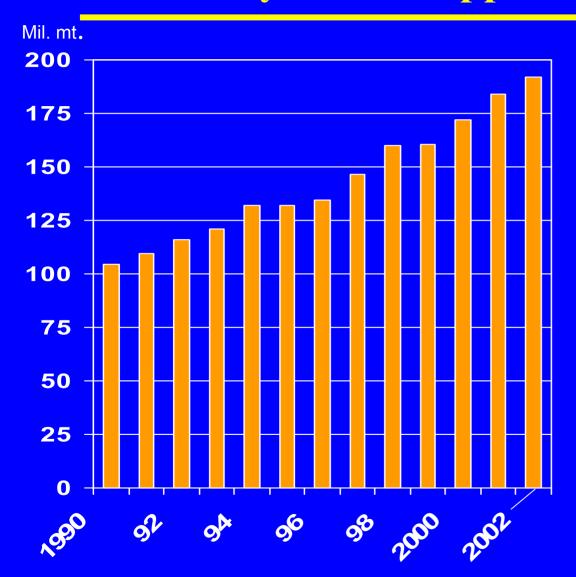
Global Per Capita Corn Disappearance 1990-2002



- Increases in per capita corn use slowing
- Dramatic gains through mid-1990's were fueled by China, U.S., and many developing countries



Global Soybean Disappearance, 1990-2002

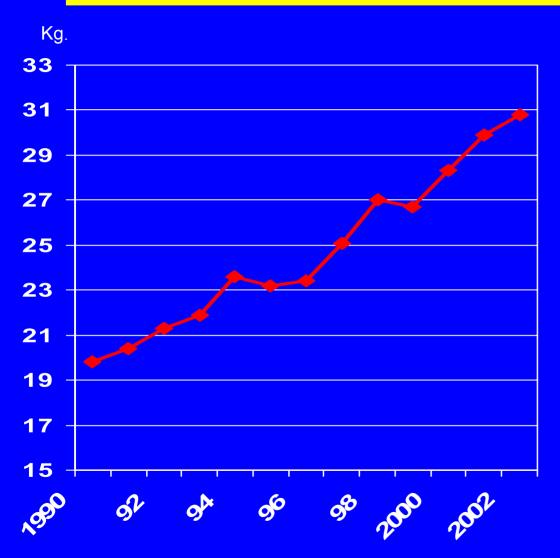


- World soybean disappearance has almost doubled since 1990
- In contrast to wheat and corn, soybeans have continued to realize robust gains
- Soybean meal use up nearly 90 percent since 1990, soybean oil use up nearly 100 percent



Global Per Capita Soybean Disappearance

1990-2002



- Growth in per capita disappearance remains strong
- Direct consumption of soybeans is very small, and meal and oil account for the growth
- Little indication of slowing in the nearterm



2002 Farm Act: Key Provisions

Marketing Loan Program Continues

- New loan rates reflect recent market prices
- Wheat and corn loan rates rise, soybeans drop

Fixed Decoupled Payments Continue

- Direct payments replace PFC payments
- Adds soybeans and other oilseeds

Counter-Cyclical Payments Introduced

Institutionalizes past market loss assistance



2002 Farm Act: Implications

Wheat, Corn, and Soybeans

2002

- Provisions not certain before planting
- High prices result in minimal marketing loan benefits and no counter-cyclical payments
- Slow program sign up delays direct payments

2003

- Loan rates known
- Lower price outlook brings potential for marketing loan benefits and counter-cyclical payments
- Direct payments enhance cash flow before planting



2003 Acreage Prospects

Wheat

- 63 million acres
 - winter 44.2 million, up 2.5 million
 - spring and durum 18.8 million, up 0.2 million

Corn

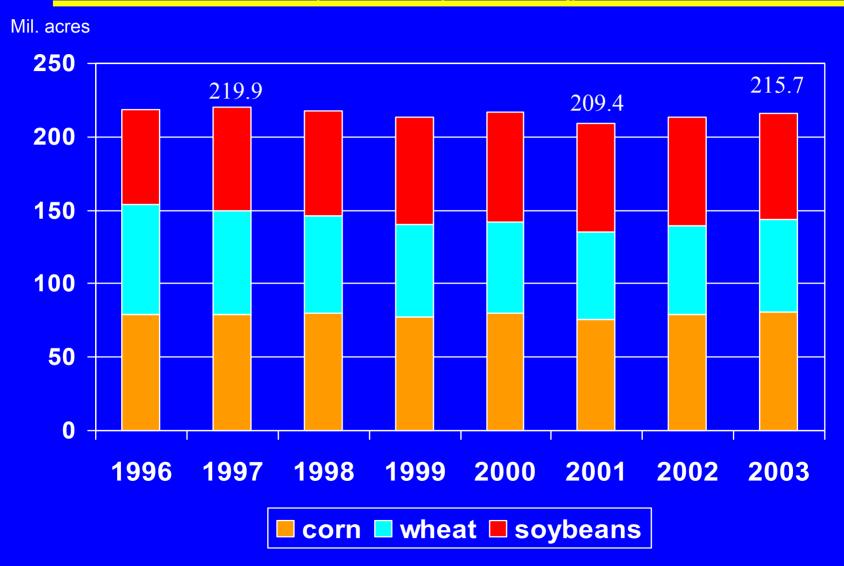
80.5 million acres, up 1.4 million

Soybeans

72.2 million acres, down 1.6 million



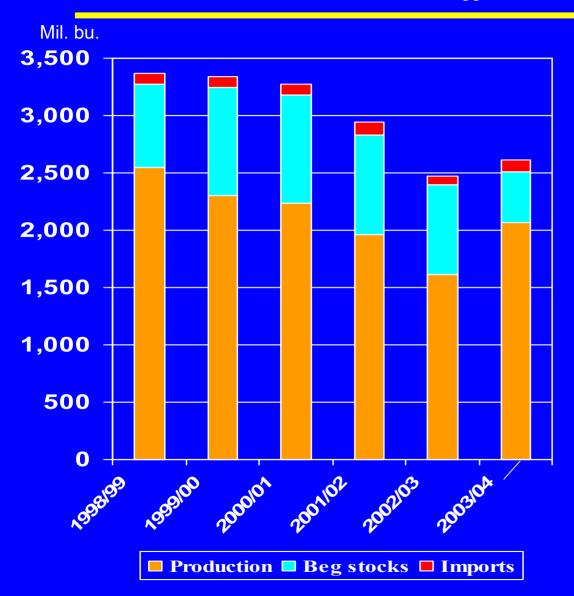
Planted Acreage Corn, Wheat, and Soybeans





2003 Wheat Supply Up Modestly

Production Gain Offsets Small Carryin



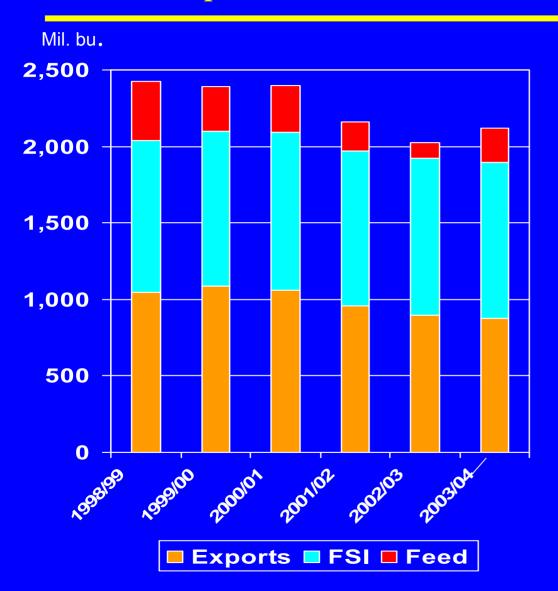
- Area Harvested
 53.4 mil. acres
- Yield 38.7 bushels up from 35.3

million bushels

- Production2065 (+28%)
- Begin Stocks
 445 (-43%)
- Imports 100 (+33%)
- Supply 2610 (+ 6%)



Wheat Use to Rise Slightly Exports Continue to Slide, Food Use Flat

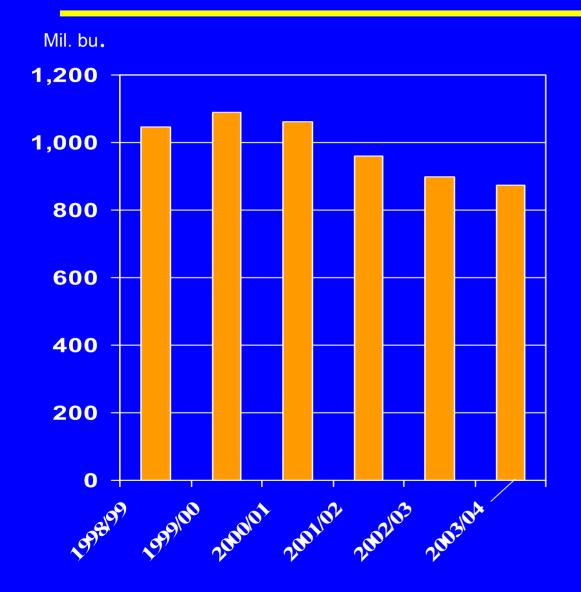


Million bushels

- Food, seed, indus.
 (FSI) 1,020 (=)
- Feed and residual 225 (+125%)
- Exports 875 (-3%)
- End Stocks490 (+10%)



U.S. Wheat Exports to Remain Weak



- Exports from Australia and Canada to recover
- Russia and Ukraine wheat shipments decline, but remain substantial
- Will importers return to traditional suppliers?



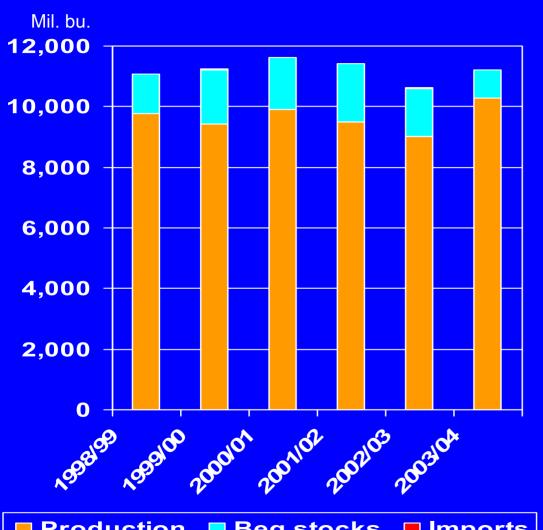
Wheat Farm Price Projected at \$3.20 in 2003



FSA-EPAS



Rebound in Corn Production to Boost Supply Trend Yield and More Acres Will Lead to Record Crop



 Yield 139.7 bu., up from 130

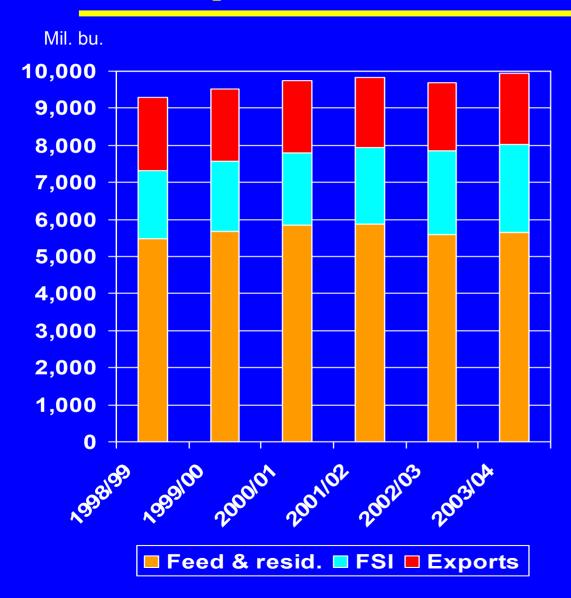
million bushels

- Production10,270 (+ 14%)
- Begin Stocks929 (-42%)
- Imports 10 (-33%)
- Supply11,209 (+ 6%)

■ Production ■ Beg stocks ■ Imports



Corn Use to Near 10 Billion Bushels Sharp Rise in Ethanol, Modest Gains for Exports

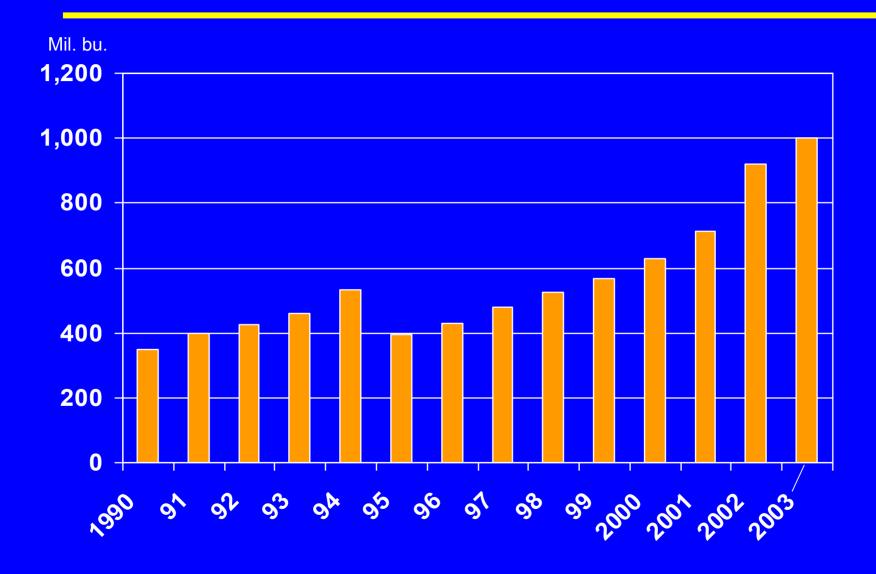


Million bushels

- Feed and residual 5,650 (+1%)
- FSI 2,360 (+4%)
- Exports 1,925 (+6%)
- End Stocks1,274 (+37%)

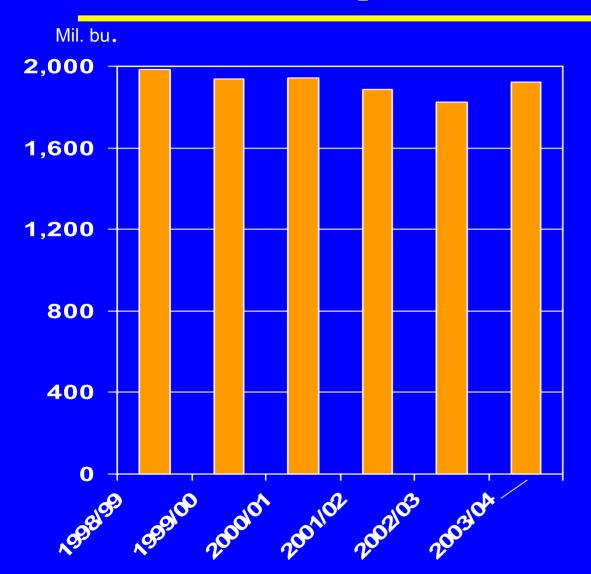


Corn Used for Ethanol Soars Use Has More Than Doubled Since 1996





U.S. Corn Exports: Modest Gains in 2003

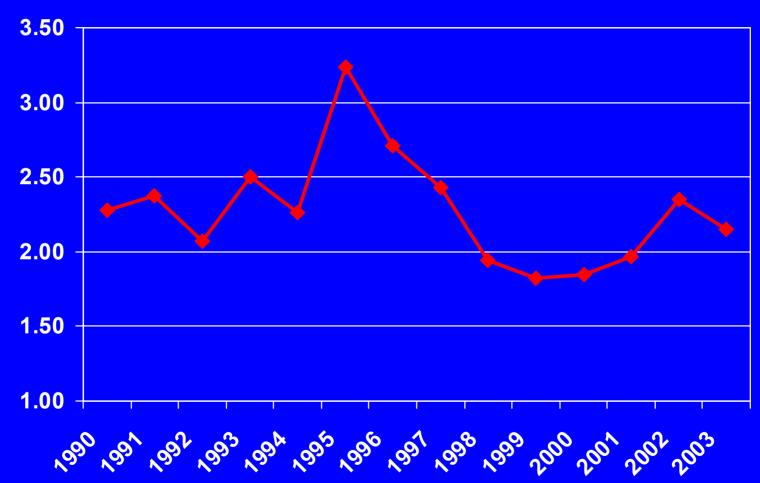


- Lower prices should make U.S. more competitive
- China's exports likely to decline somewhat, but no dramatic shift assumed
- Steady outlook for Argentina's exports, will rival China as number two exporter



Corn Farm Price Projected at \$2.15 in 2003

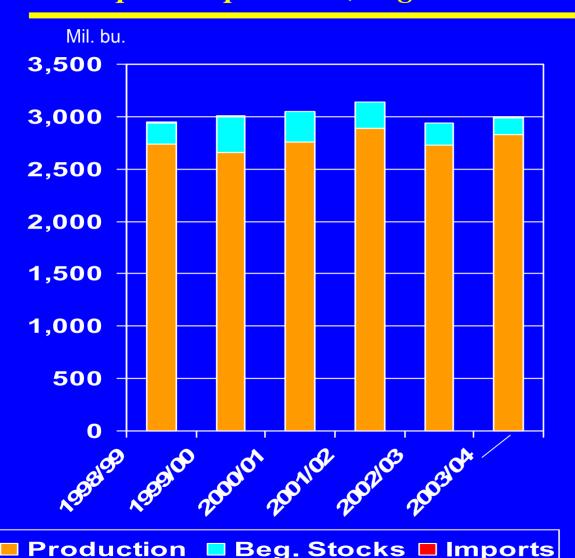




FSA-EPAS



Larger Crop Raises Soybean Supply Despite Drop in Area, Higher Yield Boosts Production



 Yield 39.7 bu., up from 37.8

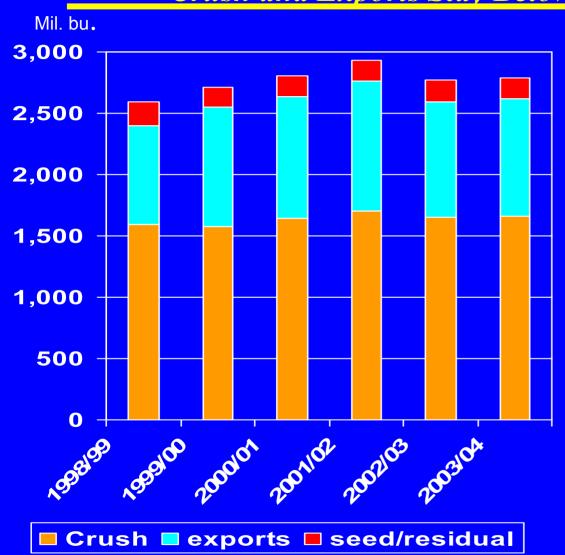
million bushels

- Production2,815 (+ 3%)
- Begin Stocks
 165 (-21%)
- Supply2,985 (+ 2%)



Soybean Use Shows Little Growth

Crush and Exports Stay Below 2001 Records

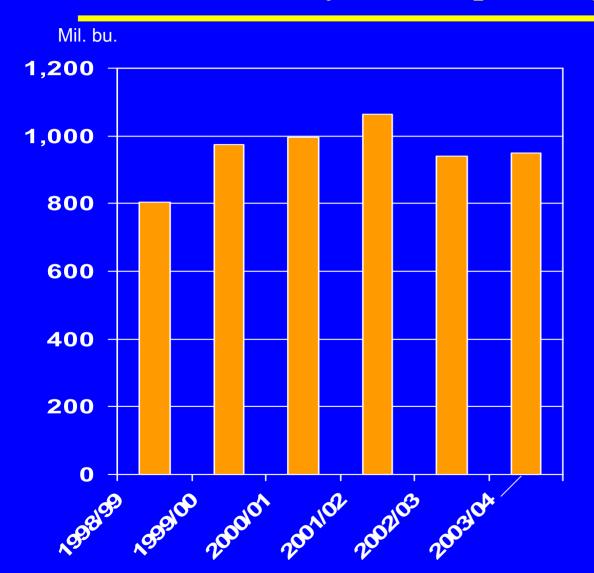


Million bushels

- Crush 1,670 (+1%)
- Exports 950 (+1%)
- Seed/residual 169 (-6%)
- End Stocks195 (+25%)



U.S. Soybean Exports Up Slightly

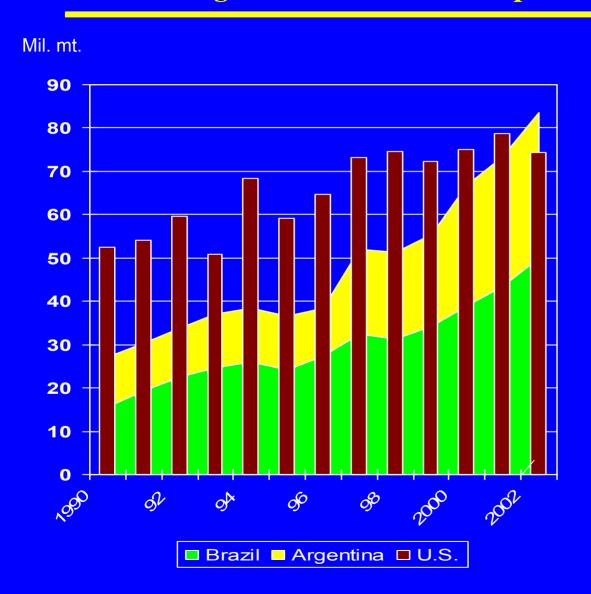


- Despite bigger crop, exports not projected to rebound to previous highs
- Brazil will continue strong competition for soybean markets
- China's dramatic import growth expected to slow in 2003



Soybean Production

Argentina and Brazil Surpass U.S. in 2002

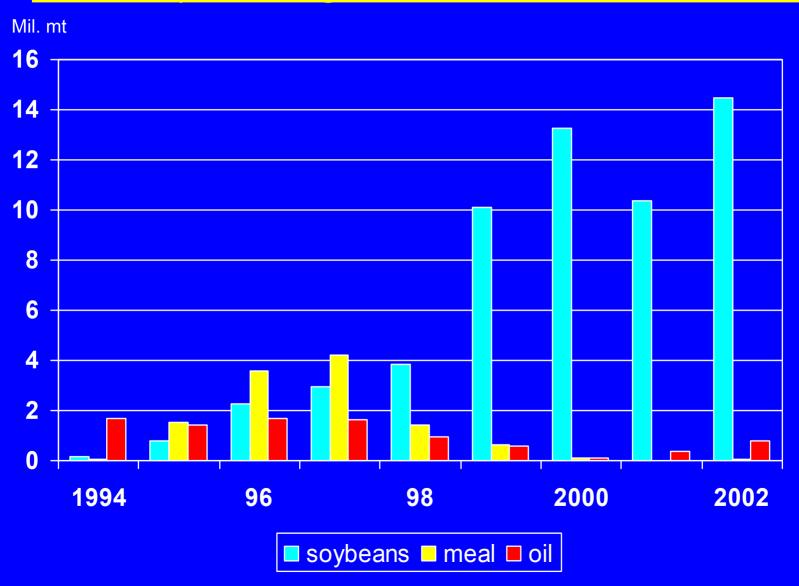


- Argentina and Brazil's combined production surpassed the U.S. in 2002
- While U.S. up over 40 percent from 1990 to 2002, production in Argentina and Brazil more than tripled
- U.S. share of world production fell to 39% in 2002 from 51% in 1990



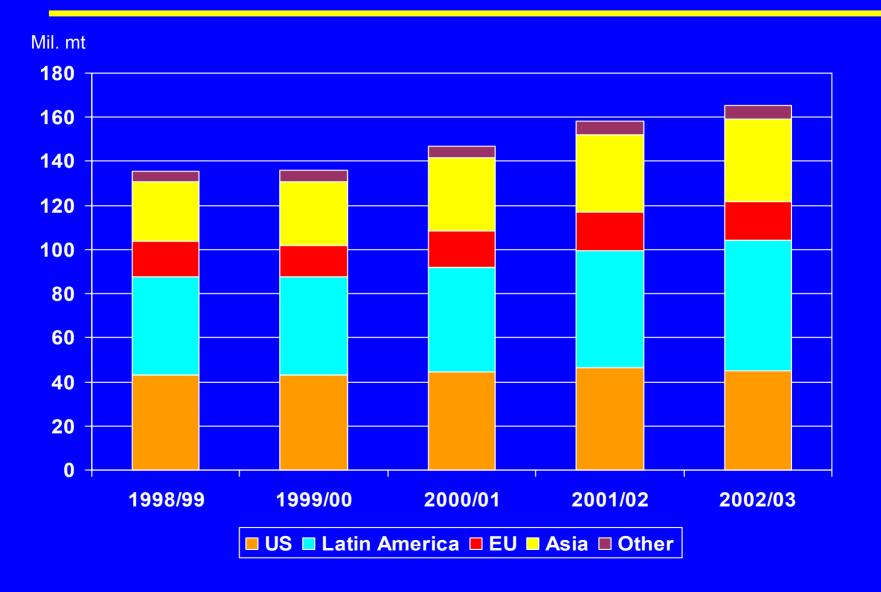
China: Imports of Soybeans and Products

Soybeans surge, while meal and oil decline





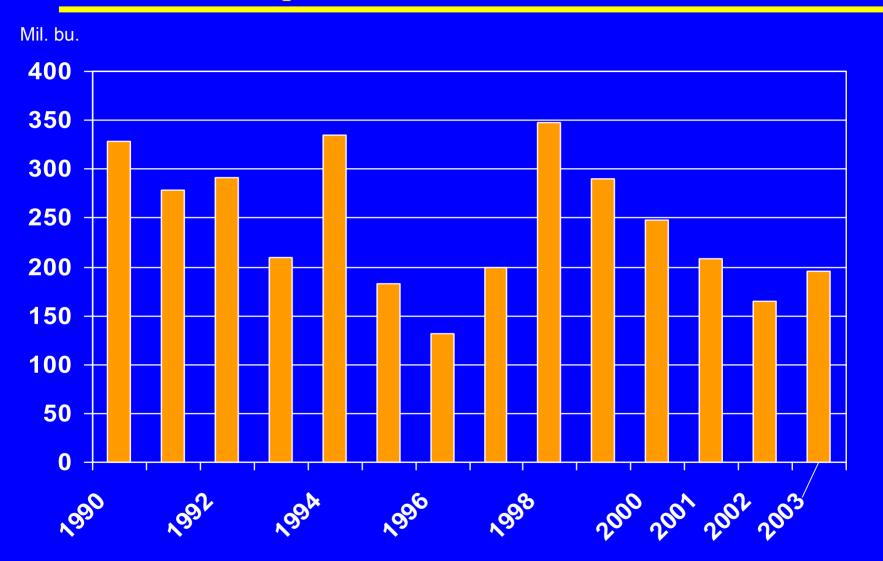
World Soybean Crush: Share by Region Latin America and China expanding, U.S. slips in 2002





Modest Rise in Soybean Ending Stocks

Price Response to Low 2002 Stocks Limited



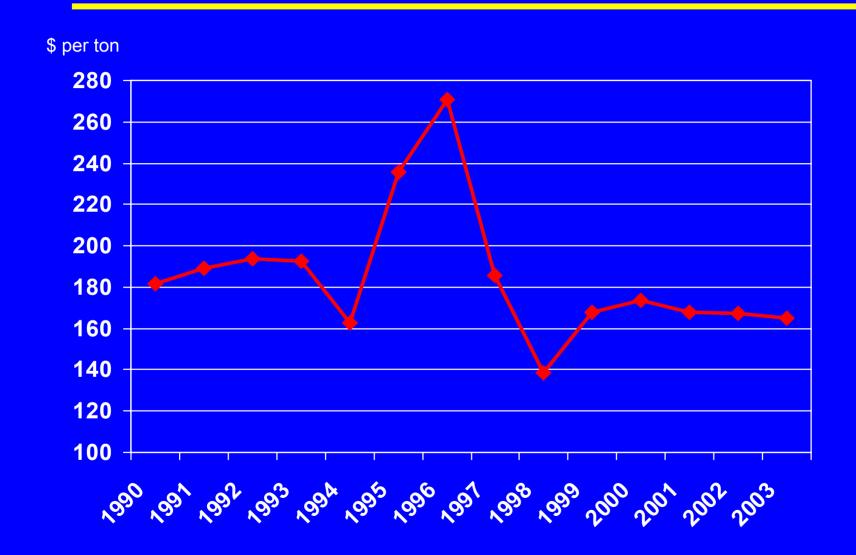


Soybean Farm Price Projected at \$5.10 in 2003



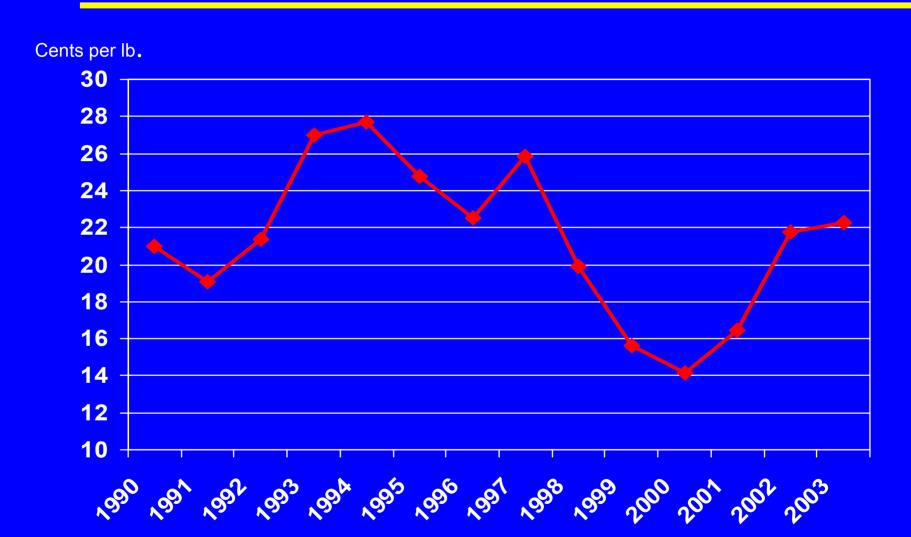


Soybean Meal Price Projected at \$165 in 2003





Soybean Oil Price Projected at 22.3 Cents in 2003





FSA-EPAS



Reserve slides

- 34 Soy price & S/U Ratio
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- 36 "Corn
- 37 " Soybeans

Counter-cyclical pmts

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-per cap wheat
-corn prod/cons
-corn trade

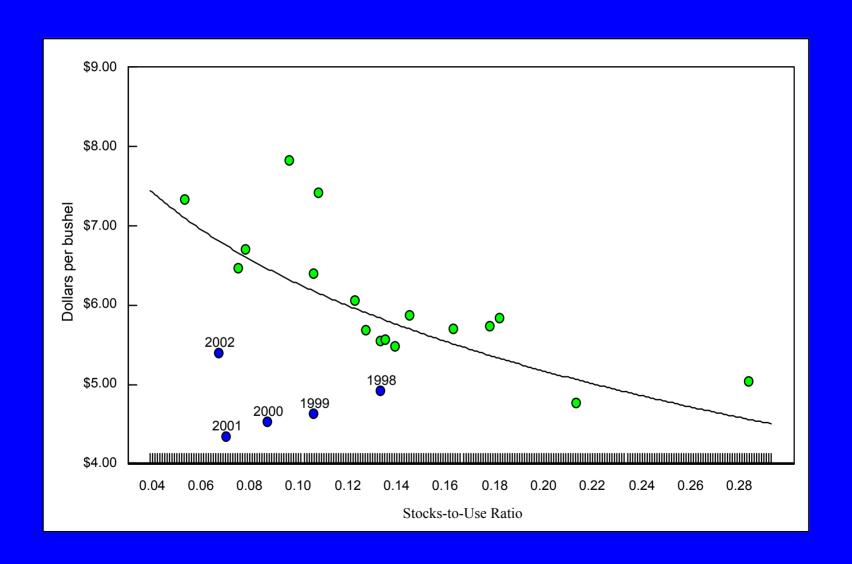
- 45 End Stocks Wheat
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Sector Revenue 98-02

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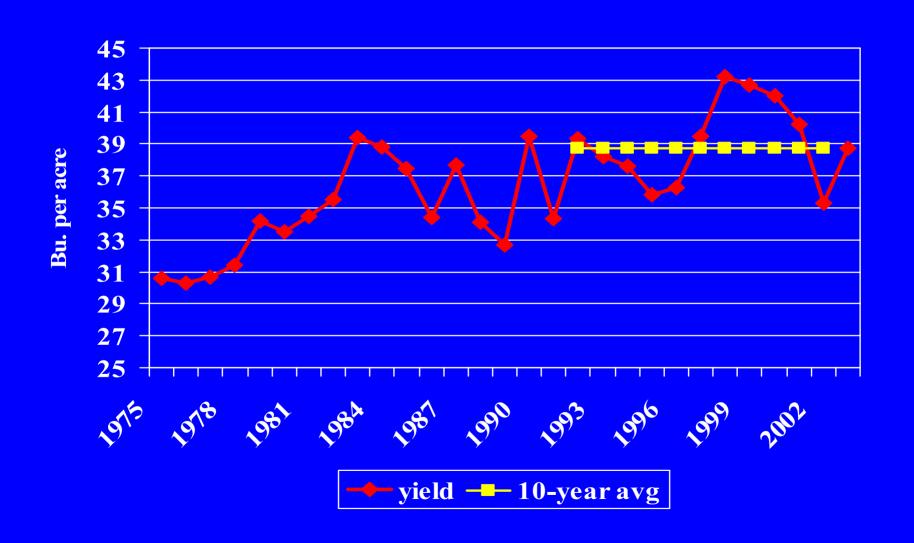


Soybeans Stocks-to-Use Ratio vs. Price 1980-2002



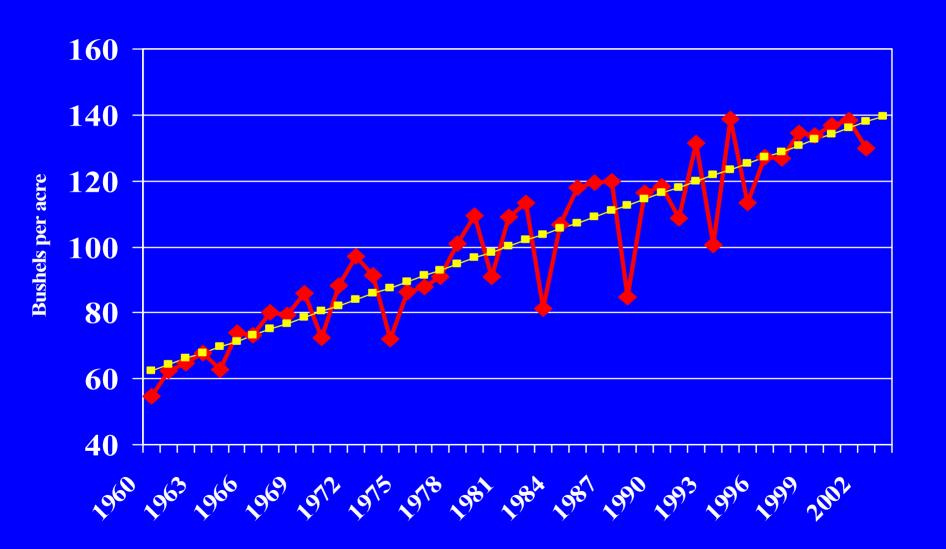


Wheat Yields and 10-year Average by State No Clear Trend Apparent



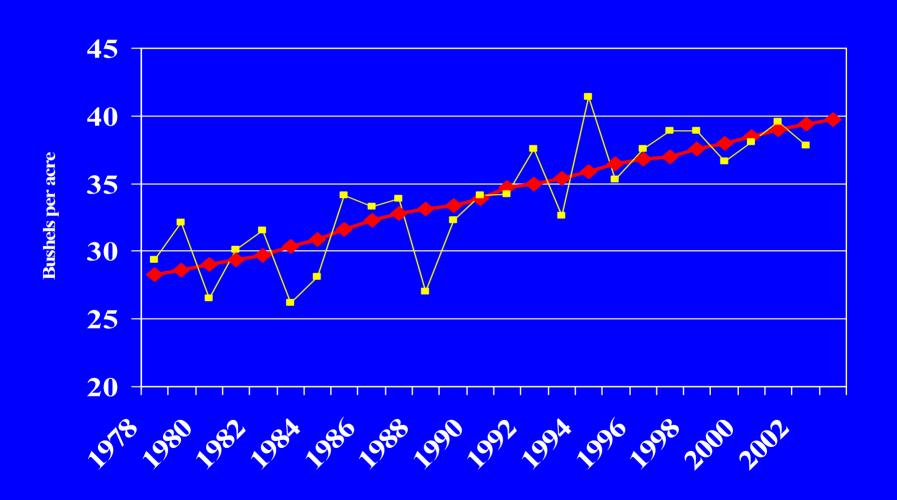


Corn Yields and Trend





Soybean Yields and Trend





Counter-Cyclical Payments for Wheat

2002

Market Price = \$ 3.60

Target Price = \$ 3.86

Loan Rate = \$ 2.80

Direct Rate = \$ 0.52

CCP rate = \$0.00

2003

If Market Price = \$ 3.20

Target Price = \$ 3.86

Loan Rate = \$ 2.80

Direct Rate = \$ 0.52

Then CCP rate = \$0.14

- Paid on 85% of base acres x CCP yield
- Trigger point: average farm price below \$3.34
- Maximum rate \$0.54



Counter-Cyclical Payments for Corn

2002

Market Price = \$ 2.35

Target Price = \$ 2.60

Loan Rate = \$ 1.98

Direct Rate = \$ 0.28

CCP rate = \$0.00

2003

If Market Price = \$ 2.15

Target Price = \$ 2.60

Loan Rate = \$ 1.98

Direct Rate = \$ 0.28

Then CCP rate = \$0.17

- Paid on 85% of base acres x CCP yield
- Trigger point: average farm price below \$2.32
- Maximum rate \$0.34



Counter-Cyclical Payments for Soybeans

2002

Market Price = \$ 5.40

Target Price = \$ 5.80

Loan Rate = \$ 5.00

Direct Rate = \$ 0.44

CCP rate = \$0.00

2003

If Market Price = \$ 5.10

Target Price = \$ 5.80

Loan Rate = \$ 5.00

Direct Rate = \$ 0.44

Then CCP rate = \$0.26

- Paid on 85% of base acres x CCP yield
- Trigger point: average farm price below \$5.36
- Maximum rate \$0.36

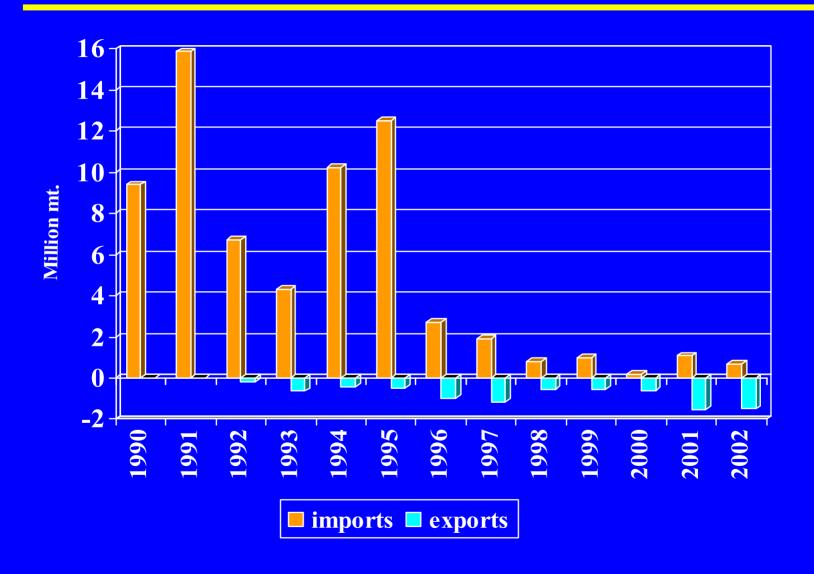


China Per Capita Wheat Disappearance



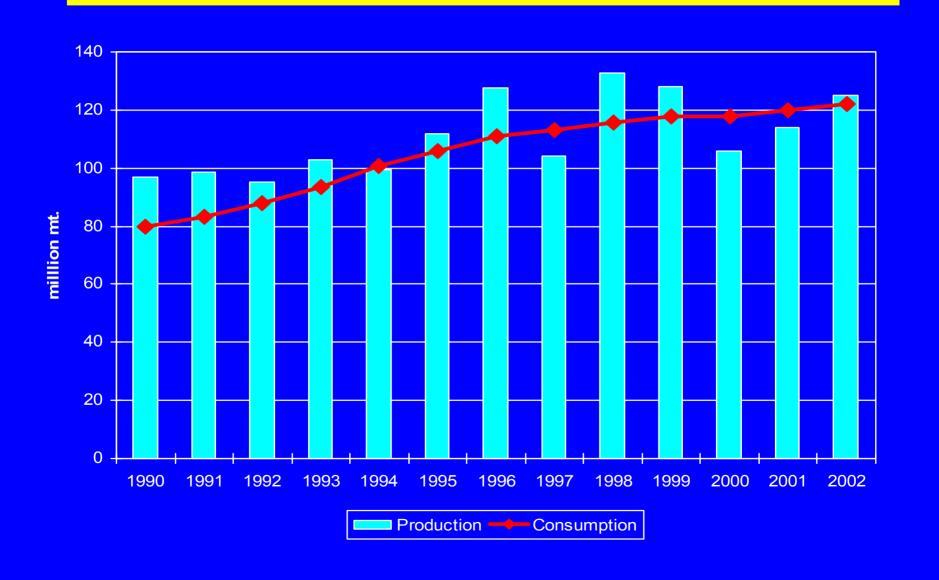


China Wheat: Exports and Imports



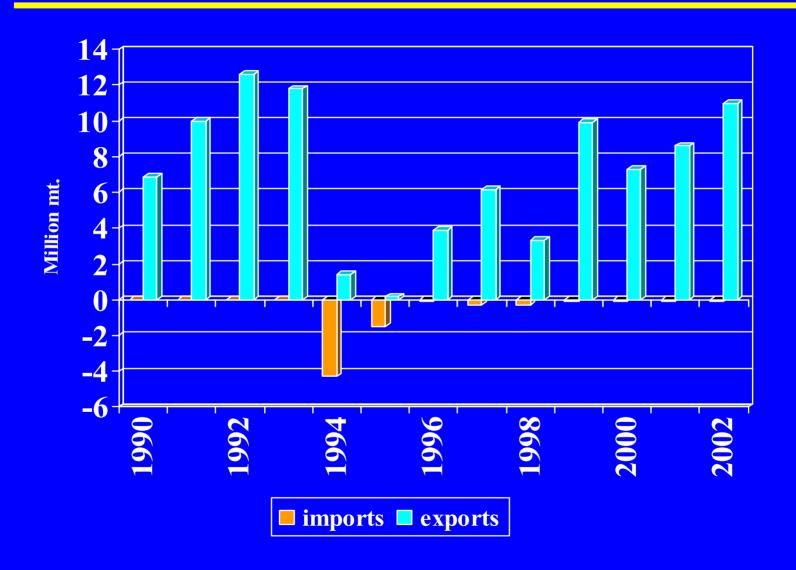


China Corn Production and Use



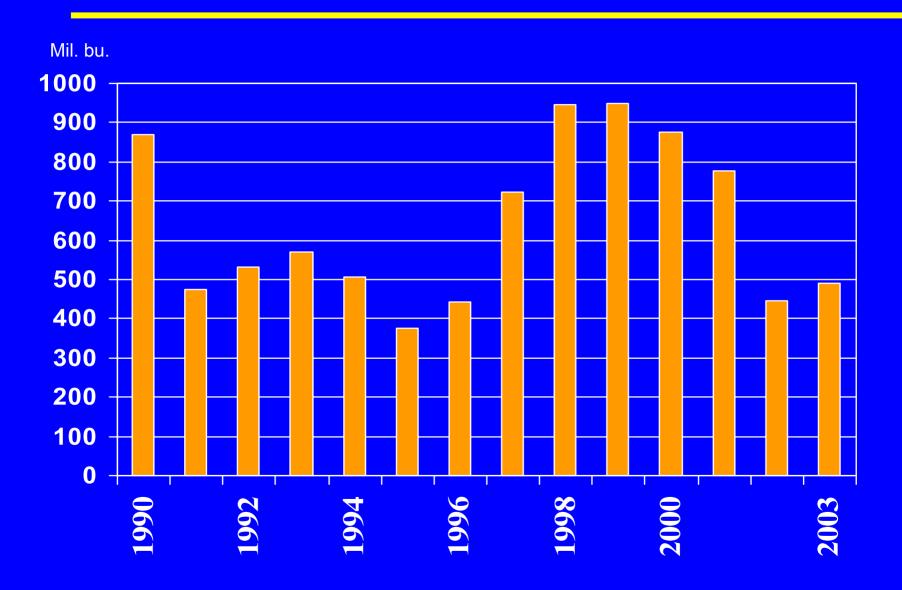


China Corn: Exports and Imports



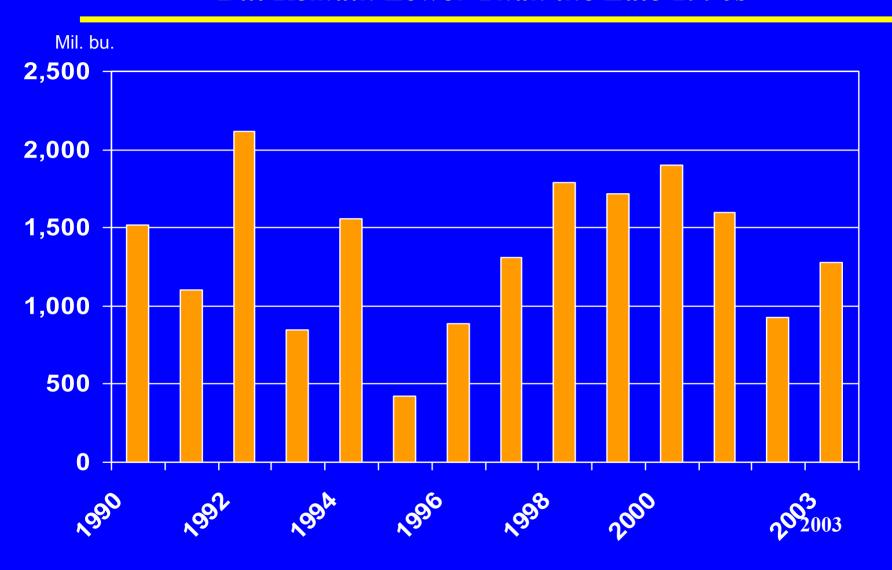


Wheat Ending Stocks to Stay Low



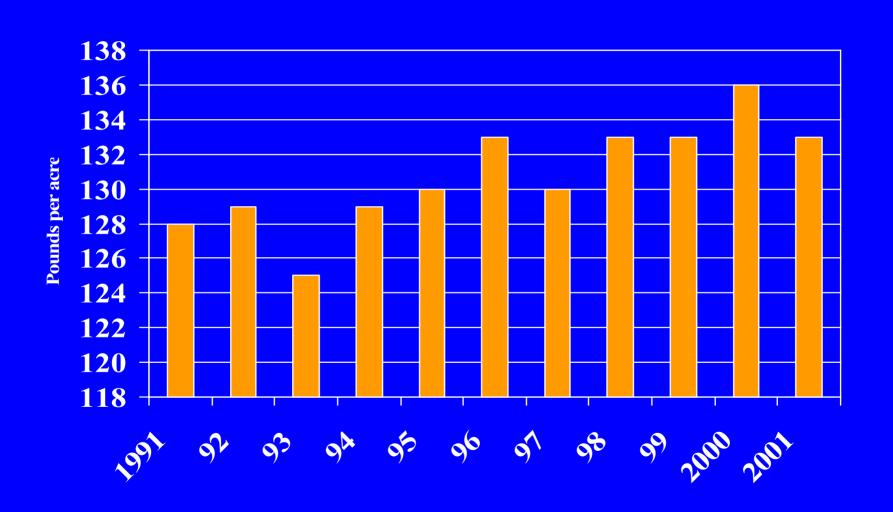


Corn Ending Stocks to Increase But Remain Lower Than the Late 1990s





Nitrogen Fertilizer Application Rate for Corn





Corn: "Normal" Seasonal Price Pattern

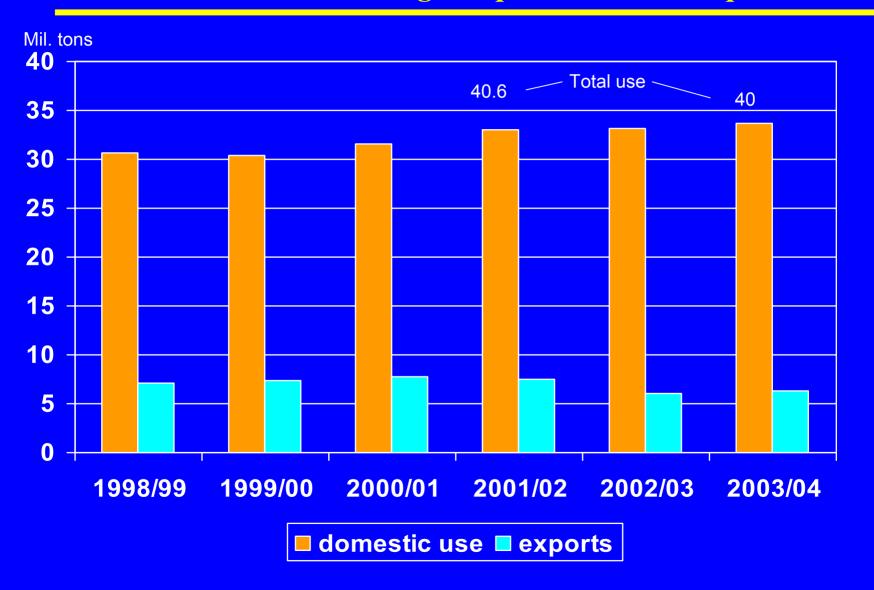
1990s excluding 1993, 1995, 1996





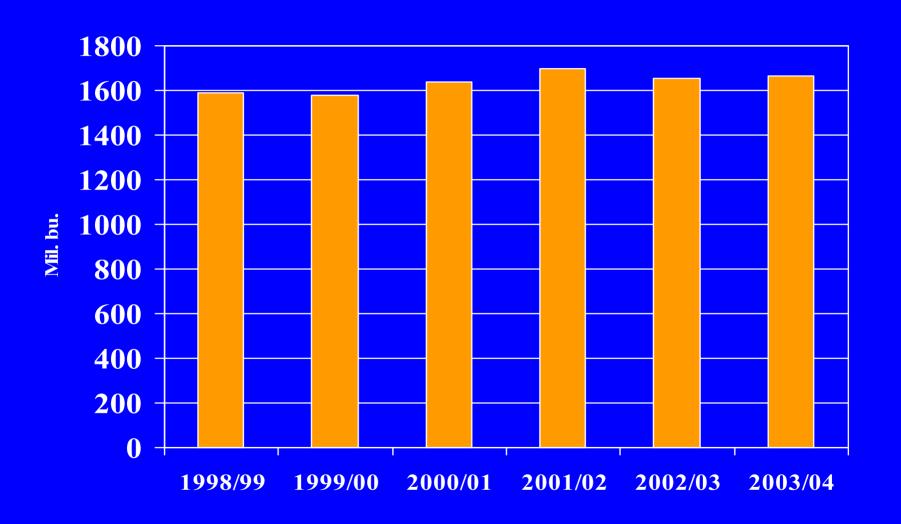
Soybean Meal Disappearance

Domestic use record high, exports below 2000 peak





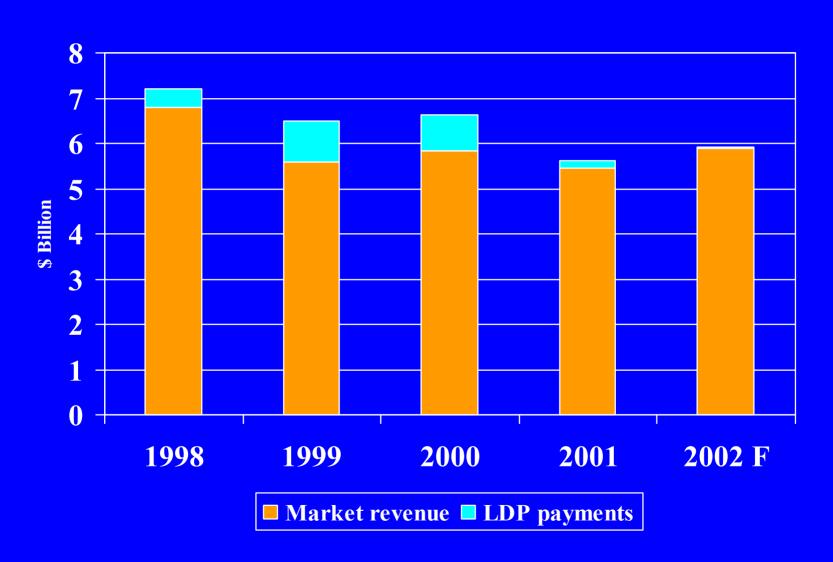
Soybean Crush



FSA-EPAS

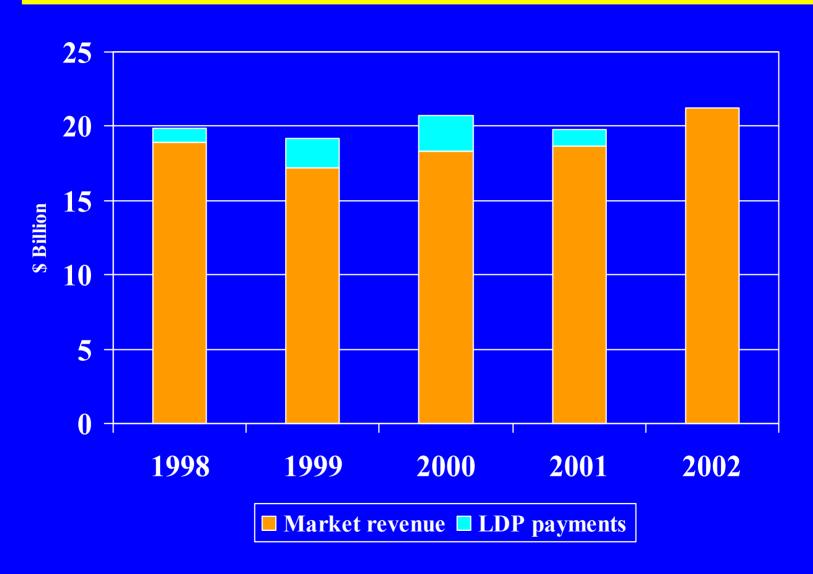


Wheat Sector Revenue Up in 2002 Higher prices outweigh lower crop and loss of LDPs



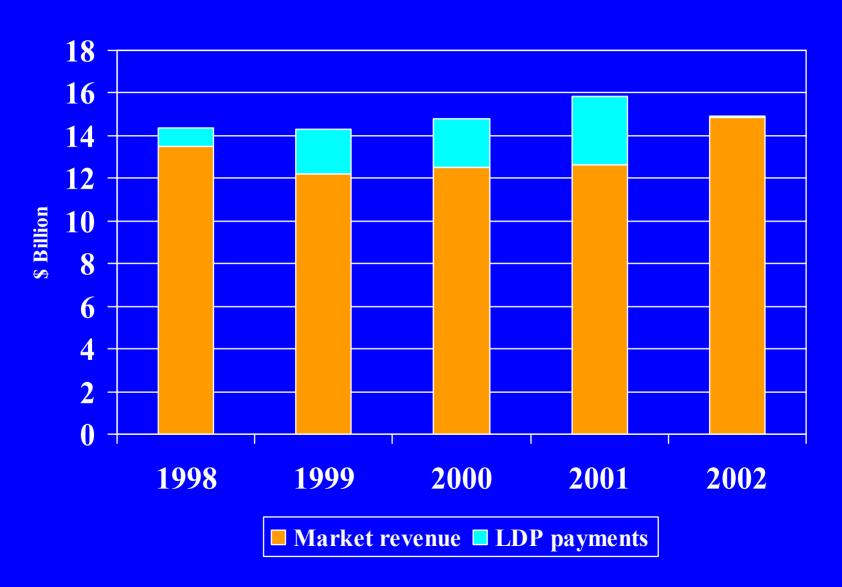


Corn Sector Revenue Up in 2002 Higher prices outweigh lower crop and loss of LDPs





Soybean Revenue Down in 2002 Loss of LDPs and smaller crop outweigh price rise





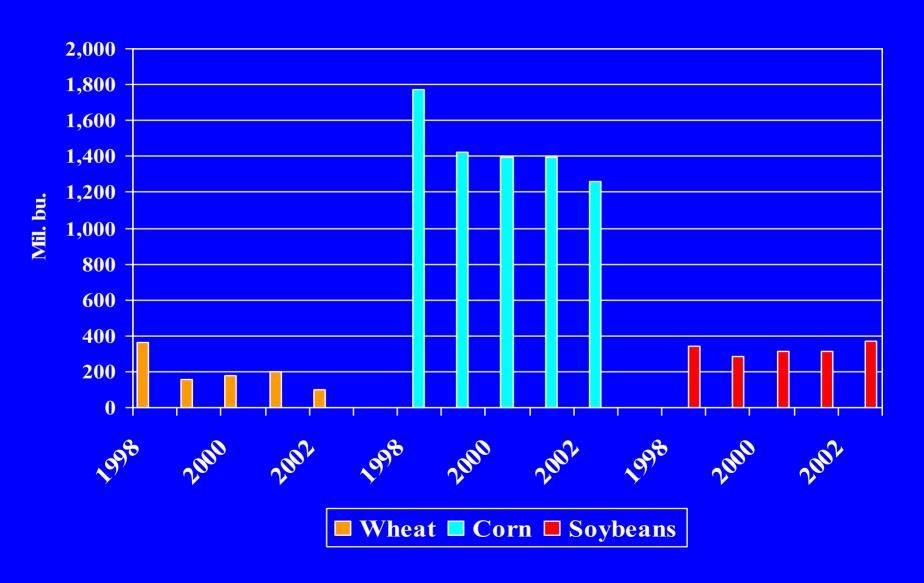
Population Growth

- World population growth slowing
- 2003 growth rate projected at 1.16 percent, down from 1.58 percent in 1990
- This will amount to 74 million more people to feed in 2003
- US. growth rate projected at 0.9 percent, adding 2.7 million people in 2003



Crops Placed Under Loan 1998-2002*

through Jan.2003





Loan Deficiency Payments, 1998-2002

