



# Grain Price OUTLOOK

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## SOYBEANS: LARGE SUPPLIES CONTINUE TO PRESSURE PRICES

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### Summary

The USDA's January 11 reports confirmed prospects for continued large U.S. and world soybean and total oilseed supplies for the near future. The final estimate of the 2000 U.S. soybean crop came in at 2.77 billion bushels, only about 7 million less than the November estimate. The upcoming South American harvest is expected to be a record 2.245 billion bushels, 183 million larger than the previous record of last year. Stocks of U.S. soybeans on December 1, 2000 were estimated at a record 2.239 billion bushels, 56 million larger than stocks of a year ago.

Many analysts expect U.S. producers to expand soybean acreage in 2001, reflecting a 2 million acre reduction in winter wheat seedings and an expected reduction in corn acreage due to high prices for nitrogen and/or spot shortages of nitrogen fertilizer. If acreage expands and the average 2001 yield is near trend, another extremely large crop will be harvested this fall. Outside of periods of weather and crop concerns, price rallies will be difficult to generate, even if exports continue at a high rate.

### Large 2000 U.S. Crop Confirmed

The final estimate of the 2000 U.S. soybean crop stands at 2.77 billion bushels, 219 million smaller than the August 2000 estimate, but only 7 million smaller than the November 2000 estimate (Table 1). The market had anticipated a January estimate near 2.74 billion bushels. The U.S. average yield for the 2000

crop is now estimated at 38.1 bushels per acre, 2.6 bushels below the August estimate but 1.5 bushels larger than the 1999 average and 0.1 bushels above the November 2000 estimate. Compared to last year, yields were generally higher in the eastern part of the country and lower in the western growing areas, as the dry weather pattern shifted from the east to the west.

Unharvested acreage of soybeans was relatively large for the third consecutive year. Unharvested acreage has averaged 1.549 million acres over the past three years, compared to an average of 876,000 in the previous four years (Table 3). After averaging 50,000 acres the past two years, unharvested acreage reached 450,000 acres in Kansas in 2000, reflecting dry growing conditions.

The 2000 crop was marginally larger than the previous record crop of 1998, reflecting increased acreage and a continuation of generally high yields. Stocks of soybeans on December 1, 2000 were estimated at 2.239 billion bushels, about 50 million larger than stocks on the same date the previous two years (Table 4). The larger inventories this year were carried on the farm, as off-farm inventories were down about 10 million bushels.

### The Rate of Use Remains High

The domestic crush of soybeans continues to be driven by soybean meal demand. Soybean oil stocks are large and prices very low due to ample world vegetable and palm oil supplies.

The domestic crush during the first quarter of the 2000-01 marketing year totaled 421.3 million bushels, only 5.4 million below the level of crush a year earlier (Table 4). Domestic soybean meal consumption should continue to be supported by expanding hog and broiler production and generally profitable livestock prices. The number of cattle on feed continues to be larger than expected, with January 1 inventories about 3 percent larger than on-feed numbers of a year ago. Use for the year could be 3 percent larger than that of last year, bringing the total to 31.3 million tons (Table 5). The USDA projects soybean meal exports at 7.2 million tons, 131,000 tons less than shipped last year. Census Bureau figures show meal exports during the first 2 months of the marketing year of 1.23 million tons, 197,000 tons less than in October and November 1999. Sales, however, accelerated in early January. Outstanding commercial sales as of January 11 totaled 1.608 million tons, 386,000 more than on the same date last year. Total shipments plus outstanding sales were equal to those of a year ago.

Meal export demand may be supported somewhat by restrictions on meal and bone meal consumption in Europe, but the approach of a record South American soybean crop suggests that competition will remain very keen. If 7.2 million tons of meal are exported, total meal use will reach 38.5 million tons. Assuming imports of 65,000 tons and a draw down in year ending stocks of about 40,000 tons, domestic meal production will need to total about 38.4 million tons during the current marketing year (October 2000 through September 2001). With an average yield of 47.9 pounds of meal per bushel, the domestic crush will need to total about 1.603 billion bushels to meet the meal requirements. A total crush of 1.603 billion would mean that 26.2 percent of the annual crush occurred in the first quarter of the marketing year. That is less than the 27 percent of last year, but above the previous 5 year average of 25.2 percent.

If 1.603 billion bushels of soybeans are crushed, about 18.1 billion pounds of oil will be produced, assuming an average oil yield per

bushel of soybeans near 11.3 pounds. Domestic consumption of oil should be near 16.5 billion pounds, based on a trend increase. Soybean oil exports continue at a low level due to ample supplies of other vegetable oils and large supplies of palm oil. Foreign oilseed production in 2000-01 is projected at 218.2 million tons, the second consecutive large crop (Table 6). World palm oil production is expected to reach 22.7 million tons, up nearly 8 percent from the large crop of 1999-00. Most of that increase is coming in Malaysia, where about 52 percent of the world production will occur. The Census Bureau reports only 160 million pounds of U.S. soybean oil exports in the first 2 months of the 2000-01 marketing year, about half of last year's exports during the same 2 months. All of the shortfall occurred in October 2000. Commercial exports and export sales of oil through January 11 totaled 218 million pounds, 8 percent more than cumulative sales of a year ago. The USDA projects exports for the year at 1.4 billion pounds, about the same as shipped last year. Based on the recent improvement in sales, we are using a projection of 1.5 billion pounds. Even so, year ending oil stocks will be large, at 2.175 billion pounds (Table 7).

Exports of U.S. soybeans continue the rapid pace established during the 1999-00 marketing year. Shipments in the first quarter of the 2000-01 marketing year totaled 315.5 million bushels, nearly 18 million more than during the same quarter last year (Table 4). Through January 18 (20 weeks into the marketing year) USDA's weekly export report showed cumulative export inspections of 481 million bushels, about 5 million less than the total of year earlier. However, unshipped sales as of January 11 stood at nearly 226 million bushels compared to only 159 million on the same date last year. Outstanding sales were extremely large for China (52 million versus 7 million last year), but were also larger for the European Union and Mexico.

On the surface, it appears that U.S. exports for the year could easily exceed the USDA projection of 975 million bushels. The major tempering factor for U.S. export prospects is

the large South American soybean crop expected to be harvested over the next 2 months. That crop is currently projected at 2.245 billion bushels, 183 million bushels larger than last year's record crop (Table 8). The expansion is being led by increased plantings in Argentina and higher yields in Brazil (Table 9). If the growing season there ends on a favorable note, production should exceed the current estimate.

Based on performance to date and prospects for continued large purchases by China, we are using an export projection of 985 million bushels (Table 10). Exports will need to average about 16 million bushels per week through August to reach that projection. Year ending stocks of soybeans in the U.S. are projected at 305 million bushels, 15 million larger than stocks at the beginning of the year.

### **2001 Acreage Prospects**

U.S. soybean acreage has increased steadily since 1992, growing by more than 15 million acres by 2000 (Table 3). Much of that growth has been in the western corn belt, where acreage has increased by 11.6 million acres (Table 11). Acreage in the eastern corn belt is up about 4 million. The increased acreage has been driven by changes in farm programs and high soybean prices in 1997. Acreage continues to increase, even with low prices, primarily due to the relatively high Commodity Credit Corporation loan rate for soybeans.

The potential exists for another increase in U.S. soybean acreage in 2001. Reduced winter wheat acreage opens the door for more spring planted crops and the higher prices for nitrogen fertilizer may result in reduced corn acreage. Decisions by spring wheat producers will be important in determining the mix of spring planted crops. At this juncture, it appears that planted acreage of soybeans could increase to near 76 million acres in 2001. With normal abandonment, harvested acreage could be near 75 million acres. That elusive 3 billion bushel crop may appear this year, depending on the nature of the growing season. A crop of that size would lead to a

further increase in year ending stocks by September 1, 2002.

### **Price Prospects**

The average monthly price of soybeans and soybean products during the 2000-01 marketing year have been as follows:

	Soybeans <sup>1</sup>	Soybean Meal <sup>2</sup>	Soybean Oil <sup>3</sup>
Month	\$/bu	\$/t	¢/lb
Sept. 2000	\$4.67	—	--
Oct.	4.51	\$163.61	13.50
Nov.	4.65	170.78	13.37
Dec.	4.92	187.90	13.11
Jan. 2001 <sup>4</sup>	4.70	181.19	12.73

<sup>1</sup> Central Illinois farm price

<sup>2</sup> Bulk, 44% protein, Decatur, Illinois

<sup>3</sup> Bulk, Decatur, IL

<sup>4</sup> Through January 19

Soybean prices have been very close to the average of a year ago, except during the month of December, when the average price was nearly \$.45 higher than during December 1999. Soybean meal prices have averaged about \$30 per ton higher than during the first four months of the 1999-00 marketing year. Soybean oil prices have averaged nearly 2.5 cent per pound below last year's average and have been the lowest since 1972.

On a daily basis, the cash price of soybeans in central Illinois has traded from \$4.415 during the last week of October to a high of \$4.975 on December 19. The price was at \$4.52 on January 23. Based on the price performance over the previous 27 years, a new high in the cash price would be expected before the marketing year is over, for three reasons. First, the trading range to date of \$.56 is less than the marketing year trading range in any of the previous 27 years. The smallest range was \$.615 in 1985-86. A wider trading range could be experienced this year with either a

higher or lower cash price (or both), so that the first reason to expect a new high is not compelling. Second, over the past 27 marketing years, the highest cash price in central Illinois has never been reached in December, as is the case so far this year. History would now suggest a high sometime in May, June, or July. Third, the highest cash price during any of the previous 27 years has not been less than \$5.35 (1985). The high last year was \$5.415.

These historical parameters are interesting, but do not provide a fundamental reason for prices to move above the previous high, or to move higher at all. Prospects of a large South American crop and increased acreage in the U.S. suggest that higher prices will be difficult to generate. A continued rapid rate of exports is the most supportive factor near term.

With prices just barely above the October lows, some patience is probably required in pricing additional quantities of old crop soybeans. Prices may be able to capture at least half the \$.45 decline experienced between December 19 and January 23. Significant price recovery may be possible only with crop concerns during the upcoming planting or growing season. With new crop prices about \$.80 below the loan rate, sales of the 2001 crop should also be delayed.

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Table 1. United States Soybean Production Estimates

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	million bushels																					
August 1	2,130	1,880	2,017	2,293	1,843	2,035	1,959	1,979	2,000	1,474	1,905	1,836	1,869	2,079	1,902	2,282	2,246	2,300	2,744	2,727	2,870	2,989
September 1	2,174	1,831	2,089	2,314	1,535	2,028	2,063	1,980	1,957	1,472	1,889	1,835	1,817	2,085	1,909	2,316	2,285	2,270	2,746	2,909	2,778	2,900
October 1	2,213	1,757	2,107	2,300	1,517	1,972	2,108	1,992	1,968	1,501	1,926	1,823	1,934	2,108	1,891	2,458	2,190	2,346	2,722	2,769	2,696	2,823
November 1	2,236	1,775	2,077	2,300	1,535	1,902	2,129	2,009	1,960	1,512	1,937	1,904	1,962	2,167	1,834	2,523	2,183	2,403	2,736	2,763	2,673	2,777
January 1	2,268	1,817	2,030	2,277	1,595	1,861	2,099	2,007	1,905	1,539	1,927	1,922	1,986	2,197	1,809	2,558	2,152	2,382	2,727	2,757	2,643	2,770
FINAL	2,261	1,798	1,989	2,190	1,636	1,861	2,099	1,943	1,938	1,549	1,924	1,926	1,987	2,190	1,870	2,515	2,174	2,380	2,689	2,741	2,654	

Table 2. United States Soybean Yield Estimates

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	million bushels																					
August 1	30.3	27.4	30.2	32.3	29.7	30.5	31.5	32.9	34.7	26.0	32.3	32.5	31.8	35.8	33.8	37.6	36.4	36.3	39.5	39.5	39.2	40.7
September 1	30.9	27.0	31.2	32.6	24.9	30.3	33.2	33.1	34.0	25.9	32.0	32.4	31.0	35.9	34.0	38.2	37.0	35.8	39.3	40.6	37.9	39.5
October 1	31.5	26.0	31.5	32.4	24.7	29.5	33.9	33.3	34.2	26.4	32.6	32.3	33.0	36.3	33.7	40.5	35.5	37.0	39.0	38.7	37.0	38.7
November 1	31.8	26.5	31.0	32.4	25.0	28.5	34.2	33.8	34.1	26.6	32.8	33.7	33.5	37.3	32.7	41.5	35.4	37.9	39.2	38.6	36.7	38.0
January 1	32.2	26.8	30.4	32.2	25.7	28.2	34.1	33.8	33.7	26.8	32.4	34.0	34.3	37.6	32.0	41.9	34.9	37.6	39.0	38.9	36.5	38.1
FINAL	32.1	26.5	30.1	31.5	26.2	28.1	34.1	33.3	33.9	27.0	32.3	34.1	34.2	37.6	32.6	41.4	35.3	37.6	38.9	38.9	36.6	

Table 3. Soybean Planting Intentions, Actual Plantings, and Acres Harvested

Year	January Intentions	Mar./April Intentions	June/July Intentions	Actual	Harvested Acreage
			million acres		
1975	57.5	56.6	54.6	54.6	53.8
1976	50.9	49.3	49.0	50.3	49.4
1977	53.1	55.7	59.0	59.0	57.6
1978	63.9	63.7	64.0	64.7	63.3
1979	66.3	68.8	71.6	71.4	70.3
1980	71.6	71.3	70.3	69.9	67.8
1981	----	69.8	68.5	67.5	66.2
1982	69.5 <sup>a</sup>	---	72.2	70.9	69.4
1983	68.8 <sup>a</sup>	65.8 <sup>b</sup>	63.3	63.8	62.5
1984	65.2 <sup>a</sup>	---	68.0	67.8	66.1
1985	64.4 <sup>a</sup>	---	63.3	63.1	61.6
1986	---	62.0	61.8	60.4	58.3
1987	---	56.9	58.7	58.180	57.172
1988	---	58.0	58.5	58.840	57.373
1989	---	61.7	61.3	60.820	59.282
1990		59.42	58.05	57.795	56.283
1991	58.5	57.12	59.78	59.180	58.169
1992		57.42	59.03	59.180	58.233
1993		59.30	61.58	60.085	57.307
1994		61.12	61.78	61.620	60.809
1995		61.45	63.105	62.495	61.544
1996		62.478	63.895	64.195	63.349
1997		68.800	70.850	70.005	69.110
1998		72.000	72.720	72.025	70.441
1999		73.105	74.205	73.730	72.446
2000		74.871	74.501	74.496	(72.718)

<sup>a</sup> February 1

<sup>b</sup> May 1

Table 4. Soybean Quarterly Balance Sheet

	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01
	million pounds																		
September 1 stocks	254.5	344.6	175.7	316.1	536.4	436.4	302.5	182.0	239.1	329.0	278.4	292.3	209.1	334.8	183.5	131.8	199.8	348.5	290.2
Production	2,190.3	1,635.8	1,860.9	2,099.1	1,942.6	1,937.7	1,548.8	1,923.8	1,925.9	1,986.6	2,190.4	1,869.7	2,514.9	2,174.3	2,380.3	2,688.8	2,741.0	2,653.8	2,769.7
TOTAL	2,444.8	1,980.4	2,036.6	2,415.2	2,479.0	2,374.1	1,855.3	2,108.8	2,167.0	2,319.6	2,470.8	2,167.0	2,730.0	2,514.1	2,572.8	2,825.6	2,943.8	3,006.3	3,062.9
September-November																			
Crush	284.2	269.6	253.7	267.5	295.8	293.4	275.4	273.0	304.1	322.0	328.2	329.6	346.2	351.4	360.6	395.8	409.3	426.7	421.3
Export	245.9	190.6	153.4	166.5	216.5	260.8	138.3	168.5	120.1	167.1	235.9	176.0	230.9	233.6	289.7	365.3	268.5	297.8	315.5
Seed, residual	-36.2	48.5	14.8	21.5	10.1	64.6	74.8	56.6	58.8	51.5	70.7	79.8	50.9	95.7	97.4	66.9	78.5	98.9	87.0
TOTAL	493.9	508.7	421.9	455.4	522.4	618.8	488.5	498.1	483.0	540.6	634.8	585.4	628.0	681.7	747.7	826.2	758.8	823.4	823.8
December 1 stocks	1,950.9	1,471.7	1,614.7	1,959.8	1,956.6	1,755.3	1,366.8	1,610.7	1,684.0	1,779.0	1,836.0	1,573.6	2,102.0	1,833.4	1,825.1	1,999.4	2,186.0	2,182.9	2,239.1
Crush	314.9	262.5	276.4	281.9	320.1	317.3	286.3	304.3	301.4	323.1	335.2	327.2	371.8	359.0	400.7	443.1	408.6	408.1	
Export	263.6	234.6	230.2	270.9	233.7	258.9	197.0	217.0	179.7	259.6	255.9	212.7	283.5	278.7	333.1	306.4	243.1	315.4	
Seed, residual	26.6	18.8	47.0	35.7	63.8	33.0	-6.7	33.9	12.8	19.6	29.3	12.1	76.5	5.3	35.5	46.9	77.0	63.2	
TOTAL	605.1	515.9	553.6	588.5	617.6	609.2	476.6	555.2	493.9	602.3	620.4	552.0	731.8	643.0	769.3	796.5	728.7	786.7	
March 1 stocks	1,345.8	955.8	1,061.1	1,371.3	1,339.0	1,146.1	890.2	1,055.5	1,190.1	1,177.3	1,215.6	1,021.6	1,370.2	1,190.4	1,055.8	1,202.9	1,457.3	1,396.2	
Crush	260.1	240.0	258.2	262.3	297.2	308.3	270.1	290.7	295.5	304.0	325.4	320.4	361.7	334.0	355.7	404.9	396.4	373.9	
Export	216.2	204.2	153.4	226.4	159.3	185.0	135.5	153.2	146.9	148.2	186.7	120.6	216.6	188.5	165.9	120.0	161.9	205.8	
Seed, residual	78.9	39.9	41.1	33.7	45.7	-2.5	20.1	15.7	24.2	29.4	20.1	25.3	0.0	44.9	34.3	84.4	50.4	58.9	
TOTAL	555.2	484.1	452.7	522.4	502.2	490.8	425.7	459.6	466.6	481.6	532.2	466.3	578.3	567.4	555.9	609.2	608.7	621.8	
June 1 stocks	790.6	471.7	608.4	848.9	836.8	655.3	464.5	595.9	723.5	695.7	683.4	555.3	791.9	622.8	499.9	593.7	848.6	774.4	
Crush	248.8	210.6	242.1	241.1	265.5	255.5	225.8	278.4	285.9	304.6	290.0	298.4	325.5	324.9	318.7	353.2	375.4	370.1	
Export	179.5	113.6	61.1	76.3	147.4	97.6	56.2	84.2	110.4	109.0	91.0	79.7	107.0	150.5	93.0	78.7	127.5	171.6	
Seed, residual	17.7	-28.2	-10.9	-4.9	-12.5	0.3	0.5	-5.8	-1.8	3.1	10.1	-31.9	24.6	-35.2	-43.6	-37.9	-1.3	-55.0	
TOTAL	446.0	296.0	292.3	312.5	400.4	352.8	282.5	356.8	394.5	416.7	391.1	346.2	457.1	439.6	368.1	393.9	501.6	486.7	
September 1 stocks Annual	344.6	175.7	316.1	536.4	436.4	302.5	182.0	239.1	329.0	278.4	292.3	209.1	334.8	183.5	131.8	199.8	348.5	290.2	
Crush	1,108.0	982.7	1,030.4	1,052.8	1,178.7	1,174.5	1,057.6	1,146.4	1,186.9	1,253.7	1,278.8	1,275.6	1,405.2	1,369.4	1,435.7	1,595.1	1,589.7	1,578.8	
Export	905.2	743.0	598.1	740.1	756.9	801.7	527.0	622.9	557.1	683.9	769.5	589.0	838.0	851.2	881.7	870.4	801.0	973.8	
Seed, residual	87.0	79.0	92.0	85.9	107.0	95.4	88.7	100.4	94.0	103.6	130.2	85.3	152.0	110.4	123.6	160.3	204.6	166.2	
TOTAL	2,100.2	1,804.7	1,720.5	1,878.8	2,042.6	2,071.6	1,673.3	1,869.7	1,838.0	2,041.2	2,178.5	1,949.9	2,397.0	2,330.9	2,441.0	2,625.8	2,595.3	2,718.8	



Table 5. Soybean Meal Balance Sheet -- Years Beginning October 1

	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00 <sup>c</sup>	2000-01 <sup>c</sup>
	thousand tons											
Beginning stocks	173	318	285	230	204	150	223	212	210	218	330	293
Production	<u>27,719</u>	<u>28,325</u>	<u>29,831</u>	<u>30,364</u>	<u>30,514</u>	<u>33,270</u>	<u>32,527</u>	<u>34,210</u>	<u>38,176</u>	<u>37,792</u>	<u>37,623</u>	<u>38,392</u>
TOTAL <sup>a</sup>	27,982	28,688	30,183	30,687	30,788	33,483	32,825	34,524	38,443	38,109	38,003	38,750
Domestic	22,291	22,934	23,007	24,251	25,283	26,542	26,611	27,320	28,895	30,657	30,378	31,300
Exports	<u>5,319</u>	<u>5,469</u>	<u>6,946</u>	<u>6,232</u>	<u>5,356</u>	<u>6,717</u>	<u>6,002</u>	<u>6,994</u>	<u>9,330</u>	<u>7,122</u>	<u>7,331</u>	<u>7,200</u>
TOTAL	27,610	28,403	29,953	30,483	30,639	33,260	32,613	34,314	38,225	37,779	37,710	38,500
Ending stocks	318	285	230	204	150	223	212	210	218	330	293	250
Price <sup>b</sup>	\$173.94	\$170.00	\$176.00	\$181.85	\$180.00	\$151.00	\$225.00	\$260.40	\$175.00	\$131.83	\$159.55	\$160.00

<sup>a</sup> Includes imports

<sup>b</sup> Bulk, Decatur, Illinois 44%

<sup>c</sup> Projected

Table 6. World Oilseed and Soybean Production

Year	Major Oilseeds			Soybeans		
	United States	Ex-United States	Total	United States	Ex-United States	Total
	million metric tons					
1977-78	56.5	93.7	150.2	47.95	23.98	71.93
1978-79	58.6	92.0	150.6	50.86	26.62	77.48
1979-80	72.4	98.1	170.5	61.72	31.79	93.51
1980-81	55.8	99.8	155.6	48.77	32.20	80.97
1981-82	64.0	105.5	169.5	54.13	31.93	86.06
1982-83	68.2	110.1	178.3	59.61	33.96	93.57
1983-84	50.4	115.1	165.5	44.52	38.64	84.16
1984-85	59.2	131.7	191.1	50.64	42.50	93.14
1985-86	65.4	130.8	196.2	57.13	39.92	97.05
1986-87	59.4	135.0	194.4	52.87	45.21	98.08
1987-88	60.6	150.0	210.6	52.75	51.06	103.81
1988-89	50.3	153.9	204.2	42.15	53.49	95.64
1989-90	59.3	153.1	212.4	52.35	55.02	107.37
1990-91	60.6	155.1	215.7	52.42	51.57	103.99
1991-92	64.3	160.0	224.3	54.07	53.31	107.38
1992-93	68.4	158.9	227.4	59.61	57.69	117.30
1993-94	59.5	168.4	227.9	50.92	66.58	117.50
1994-95	79.7	181.2	260.9	68.49	69.14	137.63
1995-96	69.1	190.6	259.7	59.24	65.72	124.96
1996-97	74.8	187.0	261.8	64.78	67.40	132.18
1997-98	83.1	203.9	287.0	73.18	84.90	158.07
1998-99	84.4	209.9	294.3	74.60	85.23	159.83
1999-00	82.3	217.3	299.6	72.22	85.46	157.68
2000-01	85.3	218.2	303.5	75.38	91.80	167.18

<sup>1</sup>WASDE January 11, 2001 and earlier.

Table 7. Soybean Oil Balance Sheet -- Years Beginning October 1

	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01 <sup>c</sup>
	million pounds											
Beginning stocks	1,715	1,305	1,786	2,239	1,555	1,103	1,137	2,015	1,520	1,382	1,520	1,995
Production	<u>13,003</u>	<u>13,406</u>	<u>14,346</u>	<u>13,778</u>	<u>13,951</u>	<u>15,613</u>	<u>15,240</u>	<u>15,752</u>	<u>18,143</u>	<u>18,081</u>	<u>17,824</u>	<u>18,100</u>
TOTAL <sup>a</sup>	14,740	14,728	16,132	16,027	15,574	16,733	16,472	17,821	19,723	19,546	19,427	20,175
Domestic	12,082	12,163	12,246	13,053	12,941	12,916	13,465	14,263	15,262	15,655	16,055	16,500
Exports	<u>1,353</u>	<u>779</u>	<u>1,647</u>	<u>1,419</u>	<u>1,529</u>	<u>2,680</u>	<u>992</u>	<u>2,037</u>	<u>3,079</u>	<u>2,372</u>	<u>1,376</u>	<u>1,500</u>
TOTAL	13,435	12,942	13,893	14,472	14,471	15,596	14,457	16,300	18,341	18,027	17,432	18,000
Ending stocks	1,305	1,786	2,239	1,555	1,103	1,137	2,015	1,520	1,382	1,520	1,995	2,175
Average Price <sup>b</sup>	22.3¢	21.0¢	19.1¢	21.4¢	27.1¢	27.6¢	24.75¢	22.5¢	25.8¢	19.9¢	15.60¢	14.0¢

<sup>a</sup> Includes imports

<sup>b</sup> Bulk, Decatur, Illinois 44%

<sup>c</sup> Projected

Table 8. Soybean Production by Country

Year	United States	Brazil <sup>a</sup>	Argentina <sup>a</sup>	Paraguay <sup>a</sup>	China	Other	World	All Foreign
million bushels								
1970	1,127	76	2	3	254	165	1,627	500
1971	1,176	135	3	4	290	126	1,734	558
1972	1,283	184	10	4	320	66	1,867	584
1973	1,547	289	18	7	367	64	2,292	745
1974	1,215	363	18	8	349	54	2,007	792
1975	1,547	413	26	10	367	46	2,409	862
1976	1,288	460	51	14	242	128	2,183	895
1977	1,762	350	99	12	266	154	2,643	881
1978	1,870	557	136	20	278	167	2,847	977
1979	2,261	376	132	21	274	191	3,255	994
1980	1,798	558	129	22	292	176	2,975	1,177
1981	1,989	471	152	22	342	186	3,162	1,173
1982	2,190	542	154	19	332	200	3,437	1,247
1983	1,636	571	257	20	359	213	3,056	1,420
1984	1,861	672	248	35	356	248	3,421	1,561
1985	2,099	518	268	22	386	272	3,565	1,466
1986	1,943	636	257	35	427	303	3,601	1,658
1987	1,938	662	356	40	457	359	3,812	1,874
1988	1,549	852	235	60	428	387	3,506	1,957
1989	1,924	747	395	58	376	445	3,945	2,020
1990	1,926	579	423	48	404	446	3,826	1,900
1991	1,987	709	410	48	357	435	3,946	1,959
1992	2,188	827	417	64	378	434	4,308	2,120
1993	1,871	908	456	66	563	454	4,318	2,447
1994	2,517	952	459	81	588	460	5,057	2,540
1995	2,177	887	457	88	496	487	4,591	2,415
1996	2,380	1,003	412	102	486	474	4,857	2,477
1997	2,689	1,194	717	110	551	545	5,806	3,117
1998	2,741	1,150	735	110	557	580	5,873	3,132
1999	2,654	1,194	761	107	525	553	5,794	3,140
2000	2,770	1,268	863	114	566	562	6,143	3,373

<sup>a</sup> Harvested in the spring of the following year.

Table 9. South American Soybean Area, Yield and, Production, 1988 to Date

Year	Brazil			Argentina			Paraguay		
	Area	Yield	Production	Area	Yield	Production	Area	Yield	Production
	mil. ha.	t/ha.	mil.t	mil. ha.	t/ha.	mil. t.	mil. ha.	t/ha.	mil. t.
1988-89	12.15	1.94	23.60	4.00	1.63	6.50	0.85	1.90	1.62
1989-90	11.55	1.76	20.34	4.95	2.17	10.75	0.98	1.61	1.58
1990-91	9.75	1.62	15.75	4.75	2.42	11.50	0.89	1.46	1.30
1991-92	9.70	1.99	19.30	4.80	2.32	11.15	0.90	1.44	1.30
1992-93	10.63	2.12	22.50	4.90	2.32	11.35	0.98	1.79	1.75
1993-94	11.44	2.16	24.70	5.40	2.30	12.40	1.05	1.71	1.80
1994-95	11.68	2.22	25.90	5.70	2.19	12.50	1.10	2.00	2.20
1995-96	10.95	2.21	24.15	5.98	2.08	12.43	1.10	2.18	2.40
1996-97	11.80	2.27	26.80	6.26	1.81	11.20	1.20	2.31	2.77
1997-98	13.00	2.50	32.50	6.95	2.80	19.50	1.20	2.49	2.99
1998-99	12.90	2.43	31.30	8.17	2.45	20.00	1.20	2.50	3.00
1999-00	13.40	2.43	32.50	8.57	2.42	20.70	1.15	2.52	2.90
2000-01 (forecast)	13.40	2.57	34.50	9.80	2.40	23.50	1.25	2.48	3.10

Source: USDA, FAS

Table 10. Soybean Balance Sheet -- Years Beginning September 1

	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00 <sup>a</sup>	2000-01 <sup>a</sup>
	million bushels											
Carryin	182	239	329	278	292	209	335	183	132	200	348	290
Production	<u>1,924</u>	<u>1,926</u>	<u>1,987</u>	<u>2,190</u>	<u>1,870</u>	<u>2,515</u>	<u>2,174</u>	<u>2,380</u>	<u>2,689</u>	<u>2,741</u>	<u>2,654</u>	<u>2,770</u>
TOTAL <sup>b</sup>	2,109	2,167	2,320	2,470	2,168	2,729	2,514	2,573	2,826	2,944	3,006	3,063
Crush	1,146	1,187	1,254	1,279	1,276	1,405	1,369	1,436	1,597	1,590	1,579	1,603
Export	623	557	684	770	589	838	851	882	870	805	973	985
Seed, feed, residual	<u>101</u>	<u>94</u>	<u>103</u>	<u>129</u>	<u>94</u>	<u>151</u>	<u>111</u>	<u>123</u>	<u>159</u>	<u>201</u>	<u>164</u>	<u>170</u>
TOTAL	1,870	1,838	2,041	2,178	1,954	2,394	2,331	2,441	2,626	2,596	2,716	2,758
Carryout	239	329	278	292	209	335	183	132	200	348	290	305
U.S. Average price	\$5.70	\$5.75	\$5.58	\$5.60	\$6.40	\$5.48	\$6.77	\$7.35	\$6.47	\$4.93	\$4.63	\$4.70

<sup>a</sup> Projected

<sup>b</sup> Includes Imports

Table 11. Planted Acres of Soybeans by Region

Region	Western Corn Belt <sup>a</sup>		Eastern Corn Belt <sup>b</sup>		Mid-South <sup>c</sup>		Southeast <sup>d</sup>		East Coast <sup>e</sup>		United States	
	000 acres	%	000 acres	%	000 acres	%	000 acres	%	000 acres	%	000 acres	%
1976	16,145	32.1	14,530	28.9	13,630	27.1	4,799	9.6	1,122	2.3	50,226	100.0
1979	23,370	32.7	19,620	27.5	18,470	25.9	8,360	11.7	1,591	2.2	71,411	100.0
1986	24,875	41.2	18,300	30.3	10,995	18.2	4,680	7.8	1,535	2.5	60,385	100.0
1987	24,120	41.5	18,580	31.9	10,330	17.8	3,675	6.3	1,475	2.5	58,180	100.0
1988	24,310	41.3	18,680	31.7	10,460	17.8	3,810	6.5	1,580	2.7	58,840	100.0
1989	24,790	40.8	19,020	31.3	10,750	17.7	4,460	7.3	1,800	2.9	60,820	100.0
1990	23,750	41.1	18,490	32.0	10,270	17.2	3,650	6.3	1,635	2.8	57,795	100.0
1991	26,035	44.0	19,420	32.8	8,990	15.2	3,005	5.1	1,730	2.9	59,180	100.0
1992	25,400	42.9	20,000	33.8	8,980	15.2	2,915	5.2	1,715	2.9	59,180	100.0
1993	25,300	42.1	20,410	34.0	9,690	16.1	2,915	4.9	1,770	2.9	60,085	100.0
1994	27,220	44.1	20,510	33.3	9,220	15.0	2,875	4.7	1,795	2.9	61,620	100.0
1995	28,210	45.1	21,130	33.8	9,130	14.7	2,290	3.6	1,735	2.8	62,495	100.0
1996	28,250	44.0	22,370	34.8	9,390	14.6	2,565	4.0	1,620	2.5	64,195	100.0
1997	32,450	46.4	22,610	32.3	10,390	14.8	2,777	4.0	1,778	2.5	70,005	100.0
1998	33,700	46.8	23,650	32.8	10,180	14.1	2,690	3.8	1,805	2.5	72,025	100.0
1999	35,800	48.5	24,100	32.7	9,700	13.2	2,360	3.2	1,770	2.4	73,730	100.0
2000	37,050	49.7	24,200	32.5	9,110	12.3	2,250	3.0	1,886	2.5	74,496	100.0

<sup>a</sup> Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota

<sup>b</sup> Illinois, Indiana, Michigan, Ohio, Wisconsin

<sup>c</sup> Arkansas, Kentucky, Louisiana, Mississippi, Oklahoma, Tennessee, Texas

<sup>d</sup> Alabama, Florida, Georgia, North Carolina, South Carolina

<sup>e</sup> Delaware, Maryland, New Jersey, New York, Pennsylvania, Virginia