

A REFERENCE GUIDE TO IMPORTANT SOYBEAN FACTS & FIGURES

SOYSTATS 2022



A publication of the American Soybean Association

SOYSTATS® 2022

A PUBLICATION OF THE AMERICAN SOYBEAN ASSOCIATION

Welcome to the 2022 edition of SoyStats®, your comprehensive resource for statistical information about the U.S. soybean industry and its relationship to global oilseed production.

SOYBEAN HIGHLIGHTS

CALENDAR YEAR 2021

- U.S. soybean farmers planted 87.2 million acres (35.3 million hectares).
- Average yield in the U.S. was 51.4 bushels per acre.
- U.S. soybean production was 4.44 billion bushels.

MARKETING YEAR 2020/2021

- Total value of the U.S. soybean crop was \$45.7 billion.
- The U.S. exported 2.26 billion bushels of soybeans, or 51% of total production.
- Brazil was first in world soybean production with 4.59 billion bushels, followed by the U.S. at 4.44 billion bushels.
- Soybeans represented 61% of the world's oilseed production.

SOYBEAN FACTS

- A bushel of soybeans weighs 60 pounds (27.22 kg) and produces about 12 pounds of oil and 47 pounds of protein-rich meal.
- The soybean plant is a legume related to peas, clover and alfalfa.
- Each soybean plant generally produces 60 to 80 pods, each pod holding three pea-sized beans.

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Composition of a Soybean



In processing, soybeans are cleaned, cracked, dehulled and rolled into flakes. This ruptures the oil cells for efficient extraction to separate the oil and meal components.

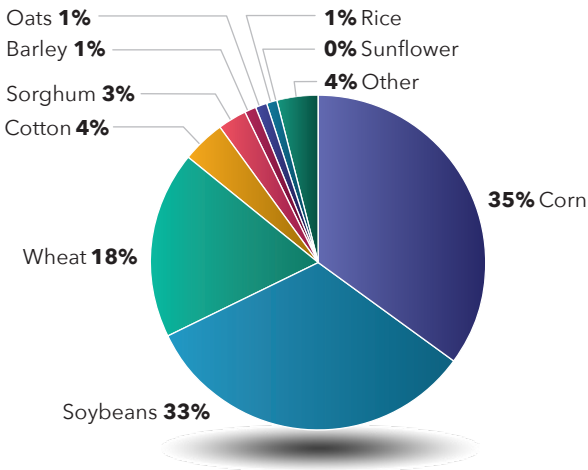
Soybean oil finds its way into food products such as margarine, salad dressings and cooking oils, and industrial products such as plastics and biofuels.

Lecithin, extracted from soybean oil, is used for everything from pharmaceuticals to protective coatings. It is a natural emulsifier and lubricant. Lecithin is used, for example, to keep the chocolate and cocoa butter in a candy bar from separating.

After removal of the soybean oil, the remaining flakes can be processed into various edible **soy protein** products or used to produce **soybean meal** for animal feeds. The dry (solid) portion of the bean provides a host of edible products.

Soy flour and **soy grits** are used in the commercial baking industry. They aid in dough conditioning and bleaching. Their excellent moisture-holding qualities also help retard staling. **Soy hulls** are processed into fiber bran for breads, cereal and snacks.

Crop Area Planted



Source: USDA, NASS. Data does not include hay.

U.S./Metric Conversion Table

(A bushel of soybeans weighs 60 pounds)

- 1 metric ton = 36.74 bushels of soybeans
- 1 metric ton = 2,204 pounds of soybeans
- 1 metric ton = 1.1 short tons of soybeans
- 1 hectare = 2.471 acres

Source Guide

EPA

Environmental Protection Agency

NASS

National Agricultural Statistics Service

ERS

Economic Research Service

USB

United Soybean Board

FAS

Foreign Agricultural Service

USDA

United States Department of Agriculture

GAIN

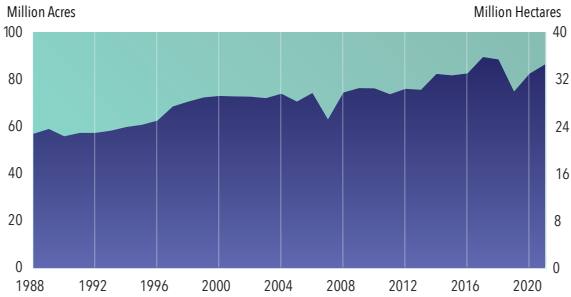
Global Agriculture Information Network

WAOB

World Agricultural Outlook Board

U.S. SOYBEAN 1988-2021

Area Planted



Year	Million Acres	Million Hectares	Year	Million Acres	Million Hectares
2021	87.2	35.3	2004	75.2	30.4
2020	83.4	33.7	2003	73.4	29.7
2019	76.1	30.8	2002	74.0	29.9
2018	89.2	36.1	2001	74.1	30.0
2017	90.2	36.5	2000	74.3	30.1
2016	83.5	33.8	1999	73.7	29.8
2015	82.7	33.5	1998	72.0	29.1
2014	83.3	33.7	1997	70.0	28.3
2013	76.8	31.1	1996	64.2	26.0
2012	77.2	31.2	1995	62.5	25.3
2011	75.0	30.4	1994	61.6	24.9
2010	77.4	31.3	1993	60.1	24.3
2009	77.5	31.3	1992	59.2	23.9
2008	75.7	30.6	1991	59.2	23.9
2007	64.7	26.2	1990	57.8	23.4
2006	75.5	30.6	1989	60.8	24.6
2005	72.0	29.2	1988	58.8	23.8

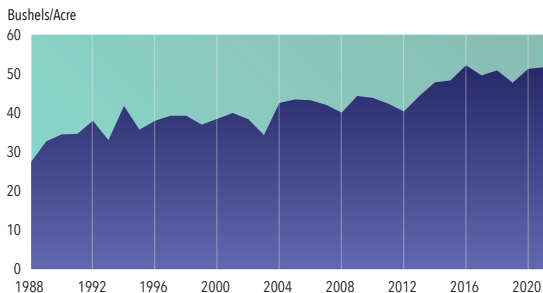
Source: USDA, NASS

Area Planted by State

Ranking	State	Thousand Acres	Thousand Hectares
1	Illinois	10,600	4,290
2	Iowa	10,100	4,087
3	Minnesota	7,650	3,096
4	N. Dakota	7,250	2,934
5	Missouri	5,700	2,307
6	Indiana	5,650	2,287
7	Nebraska	5,600	2,266
8	S. Dakota	5,450	2,206
9	Ohio	4,900	1,983
10	Kansas	4,850	1,963
11	Arkansas	3,040	1,230
12	Mississippi	2,220	898
13	Michigan	2,150	870
14	Wisconsin	2,100	850
15	Kentucky	1,850	749
16	N. Carolina	1,650	668
17	Tennessee	1,550	627
18	Louisiana	1,080	437
19	Pennsylvania	600	243
20	Virginia	600	243
21	Oklahoma	580	235
22	Maryland	490	198
23	S. Carolina	395	160
24	New York	325	132
25	Alabama	310	125
26	Delaware	155	63
27	Georgia	140	57
28	Texas	110	45
29	New Jersey	100	40

Source: USDA, NASS

Yield



Year	Bushels/Acre	Metric Tons/Hectare	Year	Bushels/Acre	Metric Tons/Hectare
2021	51.4	3.5	2004	42.2	2.8
2020	51.0	3.4	2003	33.9	2.3
2019	47.4	3.2	2002	38.0	2.6
2018	50.6	3.4	2001	39.6	2.7
2017	49.3	3.3	2000	38.1	2.6
2016	51.9	3.5	1999	36.6	2.5
2015	48.0	3.2	1998	38.9	2.6
2014	47.5	3.2	1997	38.9	2.6
2013	44.0	3.0	1996	37.6	2.5
2012	40.0	2.7	1995	35.3	2.4
2011	42.0	2.8	1994	41.4	2.8
2010	43.5	2.9	1993	32.6	2.2
2009	44.0	3.0	1992	37.6	2.5
2008	39.7	2.7	1991	34.2	2.3
2007	41.7	2.8	1990	34.1	2.3
2006	42.9	2.9	1989	32.3	2.2
2005	43.1	2.9	1988	27.0	1.8

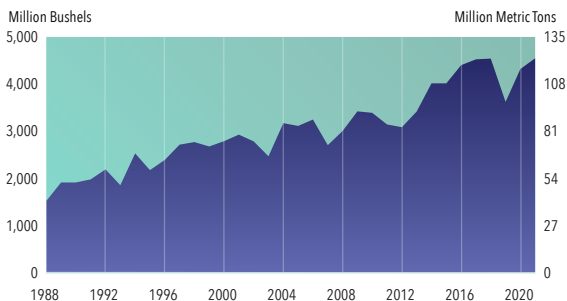
Source: USDA, NASS

Yield by State

Ranking	State	Bushels/Acre	Metric Tons/ Hectare
1	Illinois	64.0	4.3
2	Nebraska	63.0	4.2
3	Iowa	62.0	4.2
4	Indiana	59.5	4.0
5	Ohio	56.5	3.8
6	Kentucky	56.0	3.8
7	Wisconsin	55.0	3.7
8	Mississippi	54.0	3.6
9	New York	53.0	3.6
10	Maryland	53.0	3.6
11	Pennsylvania	53.0	3.6
12	Louisiana	52.0	3.5
13	Arkansas	51.0	3.4
14	Delaware	51.0	3.4
15	Michigan	51.0	3.4
16	Tennessee	50.0	3.4
17	Missouri	49.0	3.3
18	Minnesota	47.0	3.2
19	New Jersey	46.0	3.1
20	Virginia	46.0	3.1
21	Alabama	46.0	3.1
22	Georgia	46.0	3.1
23	S. Dakota	40.0	2.7
24	N. Carolina	40.0	2.7
25	Kansas	39.5	2.7
26	S. Carolina	38.0	2.6
27	Texas	38.0	2.6
28	N. Dakota	25.5	1.7
29	Oklahoma	23.0	1.5

Source: USDA, NASS

Production



Year	Million Bushels	Million Metric Tons	Year	Million Bushels	Million Metric Tons
2021	4,435	120.7	2004	3,124	85.0
2020	4,216	114.8	2003	2,454	66.8
2019	3,552	96.7	2002	2,756	75.0
2018	4,428	120.5	2001	2,891	78.7
2017	4,412	120.1	2000	2,758	75.1
2016	4,296	116.9	1999	2,654	72.2
2015	3,927	106.9	1998	2,741	74.6
2014	3,928	106.9	1997	2,689	73.2
2013	3,357	91.4	1996	2,380	64.8
2012	3,042	82.8	1995	2,174	59.2
2011	3,097	84.3	1994	2,515	68.4
2010	3,331	90.7	1993	1,870	50.9
2009	3,361	91.5	1992	2,190	59.6
2008	2,967	80.7	1991	1,987	54.1
2007	2,677	72.9	1990	1,926	52.4
2006	3,197	87.0	1989	1,924	52.4
2005	3,068	83.5	1988	1,549	42.2

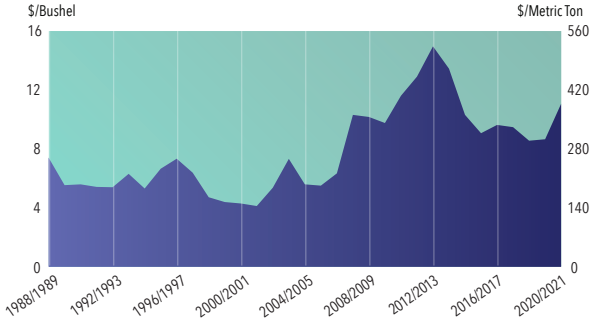
Source: USDA, NASS

Production by State

Ranking	State	Million Bushels	Million Metric Tons
1	Illinois	672.6	18.3
2	Iowa	621.9	16.9
3	Minnesota	356.3	9.7
4	Nebraska	350.9	9.6
5	Indiana	335.6	9.1
6	Missouri	276.9	7.5
7	Ohio	275.7	7.5
8	S. Dakota	215.6	5.9
9	Kansas	189.6	5.2
10	N. Dakota	181.6	4.9
11	Arkansas	153.5	4.2
12	Mississippi	117.7	3.2
13	Wisconsin	113.9	3.1
14	Michigan	109.1	3.0
15	Kentucky	103.0	2.8
16	Tennessee	76.0	2.1
17	N. Carolina	65.6	1.8
18	Louisiana	55.1	1.5
19	Pennsylvania	31.5	0.9
20	Virginia	27.1	0.7
21	Maryland	25.7	0.7
22	New York	17.0	0.5
23	S. Carolina	14.6	0.4
24	Alabama	14.0	0.4
25	Oklahoma	12.3	0.3
26	Delaware	7.8	0.2
27	Georgia	6.2	0.2
28	New Jersey	4.6	0.1
29	Texas	3.8	0.1

Source: USDA, NASS

Price Paid to Farmers



Marketing Year	Dollars/ Bushel	Dollars/ Metric Ton	Marketing Year	Dollars/ Bushel	Dollars/ Metric Ton
2020/2021	10.80	397	2003/2004	7.34	270
2019/2020	8.57	315	2002/2003	5.53	203
2018/2019	8.48	312	2001/2002	4.38	161
2017/2018	9.33	343	2000/2001	4.54	167
2016/2017	9.47	348	1999/2000	4.63	170
2015/2016	8.95	329	1998/1999	4.93	181
2014/2015	10.10	371	1997/1998	6.47	238
2013/2014	13.00	478	1996/1997	7.35	270
2012/2013	14.40	529	1995/1996	6.72	247
2011/2012	12.50	459	1994/1995	5.48	201
2010/2011	11.30	415	1993/1994	6.40	235
2009/2010	9.59	352	1992/1993	5.56	204
2008/2009	9.97	366	1991/1992	5.58	205
2007/2008	10.10	371	1990/1991	5.74	211
2006/2007	6.43	236	1989/1990	5.69	209
2005/2006	5.66	208	1988/1989	7.42	273
2004/2005	5.74	211			

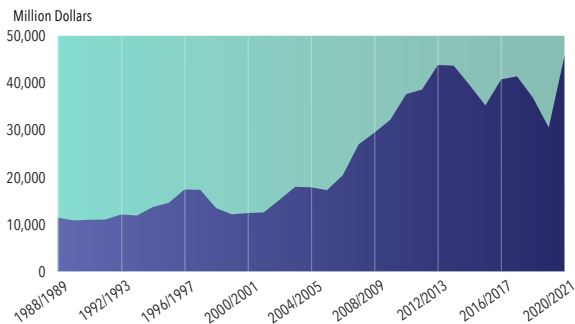
Source: USDA, NASS

Price Paid to Farmers by State

Ranking	State	Dollars/Bushel	Dollars/ Metric Ton
1	Georgia	13.00	478
2	S. Carolina	12.00	441
3	Virginia	11.90	437
4	Alabama	11.70	430
5	Michigan	11.70	430
6	Delaware	11.60	426
7	Maryland	11.60	426
8	New Jersey	11.50	423
9	Ohio	11.30	415
10	New York	11.30	415
11	Pennsylvania	11.30	415
12	N. Carolina	11.20	412
13	Indiana	11.10	408
14	Missouri	11.10	408
15	Iowa	11.10	408
16	Minnesota	11.00	404
17	Illinois	10.90	401
18	Kentucky	10.80	397
19	Tennessee	10.80	397
20	Kansas	10.70	393
21	Arkansas	10.50	386
22	Wisconsin	10.40	382
23	S. Dakota	10.30	378
24	Mississippi	10.20	375
25	Nebraska	10.20	375
26	N. Dakota	10.20	375
27	Oklahoma	10.10	371
28	Louisiana	10.00	367
29	Texas	9.10	334

Source: USDA, NASS

Crop Value



Marketing Year	Million Dollars	Marketing Year	Million Dollars
2020/2021	45,732	2003/2004	18,015
2019/2020	30,526	2002/2003	15,253
2018/2019	36,819	2001/2002	12,606
2017/2018	41,309	2000/2001	12,467
2016/2017	40,695	1999/2000	12,205
2015/2016	35,196	1998/1999	13,494
2014/2015	39,484	1997/1998	17,373
2013/2014	43,570	1996/1997	17,440
2012/2013	43,723	1995/1996	14,599
2011/2012	38,542	1994/1995	13,746
2010/2011	37,571	1993/1994	11,941
2009/2010	32,163	1992/1993	12,168
2008/2009	29,458	1991/1992	11,092
2007/2008	26,974	1990/1991	11,042
2006/2007	20,468	1989/1990	10,916
2005/2006	17,297	1988/1989	11,488
2004/2005	17,896		

Source: USDA, NASS

Crop Value By State

Ranking	State	Million Dollars	Percent of Total Principal Crops*
1	Illinois	6,704	40.3%
2	Iowa	5,616	33.7%
3	Minnesota	4,059	32.6%
4	Indiana	3,753	43.1%
5	Missouri	3,289	46.0%
6	Ohio	3,058	48.9%
7	Nebraska	3,053	25.1%
8	S. Dakota	2,331	34.7%
9	Kansas	2,084	24.0%
10	N. Dakota	1,977	28.1%
11	Arkansas	1,514	35.9%
12	Michigan	1,230	27.9%
13	Mississippi	1,135	46.8%
14	Kentucky	1,093	32.6%
15	Wisconsin	1,076	23.2%
16	Tennessee	875	36.4%
17	N. Carolina	668	25.8%
18	Louisiana	541	24.4%
19	Pennsylvania	327	16.2%
20	Virginia	280	25.2%
21	Maryland	254	33.2%
22	New York	180	11.3%
23	Oklahoma	164	9.4%
24	Alabama	132	12.7%
25	S. Carolina	124	16.1%
26	Delaware	84	30.6%
27	Georgia	51	1.6%
28	New Jersey	49	13.4%
29	Texas	34	0.6%

Source: USDA, NASS

*Includes field and miscellaneous crops

Production Costs & Returns

Category	\$/Planted Acre	\$/Planted Hectare
Gross value of production:		
Soybeans	650.69	1,607.85
Total gross value of production	650.69	1,607.85
Operating costs:		
Seed	59.46	146.93
Fertilizer*	30.97	76.53
Chemicals	34.58	85.45
Custom operations	13.10	32.37
Fuel, lube, and electricity	13.79	34.08
Repairs	31.43	77.66
Purchased irrigation water	0.01	0.02
Interest on operating capital	0.06	0.15
Total operating costs	183.40	453.18
Allocated overhead:		
Hired Labor	5.37	13.27
Opportunity cost of unpaid labor	18.77	46.38
Capital recovery of machinery & equipment	118.23	292.15
Opportunity cost of land (rental rate)	154.97	382.93
Taxes and insurance	13.25	32.74
General farm overhead	19.97	49.35
Total allocated overhead	330.56	816.81
Total cost listed	513.96	1,270.00
Value of production less total costs listed	136.73	337.86
Value of production less operating costs	467.29	1,154.67
Supporting information:		
Yield (bushels per planted acre)(mt/ha)	54.0	3.63
Price (\$ per bushel at harvest)(\$/mt)	11.98	440
Enterprise size (planted acres)(ha)**	314	127
Production practices:**		
Irrigated (%)	10	10
Dryland (%)	90	90

*Commercial fertilizer, soil conditioners and manure

**Developed from survey base year, 2018

Sources: USDA, ERS

Crush

Marketing Year	Million Bushels	Metric Tons
2020/2021	2,141	58.3
2019/2020	2,165	58.9
2018/2019	2,092	56.9
2017/2018	2,055	55.9
2016/2017	1,901	51.7
2015/2016	1,886	51.3
2014/2015	1,873	51.0
2013/2014	1,734	47.2
2012/2013	1,689	46.0
2011/2012	1,703	46.3
2010/2011	1,648	44.9
2009/2010	1,752	47.7
2008/2009	1,662	45.2
2007/2008	1,803	49.1
2006/2007	1,808	49.2
2005/2006	1,739	47.3
2004/2005	1,696	46.2
2003/2004	1,530	41.6
2002/2003	1,615	43.9
2001/2002	1,700	46.3
2000/2001	1,640	44.6
1999/2000	1,578	42.9
1998/1999	1,590	43.3
1997/1998	1,597	43.5
1996/1997	1,436	39.1
1995/1996	1,370	37.3
1994/1995	1,405	38.2
1993/1994	1,276	34.7
1992/1993	1,279	34.8
1991/1992	1,254	34.1
1990/1991	1,187	32.3
1989/1990	1,146	31.2

Source: USDA, WAOB

Ending Stocks

Marketing Year	Million Bushels	Metric Tons
2020/2021	257	7.0
2019/2020	525	14.3
2018/2019	909	24.7
2017/2018	438	11.9
2016/2017	302	8.2
2015/2016	197	5.4
2014/2015	191	5.2
2013/2014	92	2.5
2012/2013	141	3.8
2011/2012	169	4.6
2010/2011	215	5.9
2009/2010	151	4.1
2008/2009	138	3.8
2007/2008	205	5.6
2006/2007	574	15.6
2005/2006	449	12.2
2004/2005	256	7.0
2003/2004	112	3.1
2002/2003	178	4.9
2001/2002	208	5.7
2000/2001	248	6.7
1999/2000	290	7.9
1998/1999	348	9.5
1997/1998	200	5.4
1996/1997	132	3.6
1995/1996	183	5.0
1994/1995	335	9.1
1993/1994	209	5.7
1992/1993	292	8.0
1991/1992	278	7.6
1990/1991	329	9.0
1989/1990	239	6.5

Source: USDA, WAOB

Biomass-Based Diesel Production

Produced Under the Renewable Fuel Standard

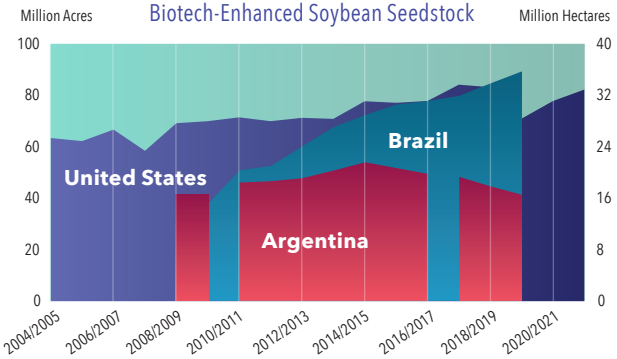
MILLION GALLONS					
Year	Biodiesel	Renewable Diesel	Renewable Jet Fuel	Renewable Heating Oil	Total
2021	1,704.287	782.961	5.020	0.395	2,492.663
2020	1,824.874	482.912	4.608	0.006	2,312.400
2019	1,713.762	457.843	2.429	0.005	2,174.039
2018	1,855.121	281.877	1.828	0.000	2,138.826
2017	1,588.250	253.195	1.711	0.000	1,843.156
2016	1,632.753	236.821	1.944	0.000	1,871.518
2015	1,254.228	171.868	0.000	0.000	1,426.096
2014	1,305.910	150.536	0.000	0.000	1,456.446
2013	1,378.586	72.007	0.000	0.000	1,450.594
2012	1,016.202	40.195	0.000	0.000	1,056.397
2011	1,032.918	45.322	0.000	0.000	1,078.240
2010	201.956	0.960	0.000	0.000	202.915

MILLION LITERS					
Year	Biodiesel	Renewable Diesel	Renewable Jet Fuel	Renewable Heating Oil	Total
2021	6,451.424	2,963.827	19.005	1.497	9,435.753
2020	6,907.895	1,828.019	17.445	0.022	8,753.380
2019	6,487.293	1,733.125	9.194	0.018	8,229.630
2018	7,022.393	1,067.018	6.920	0.000	8,096.332
2017	6,012.176	958.446	6.477	0.000	6,977.100
2016	6,180.638	896.466	7.358	0.000	7,084.462
2015	4,747.768	650.590	0.000	0.000	5,398.359
2014	4,943.404	569.841	0.000	0.000	5,513.245
2013	5,218.515	272.578	0.000	0.000	5,491.092
2012	3,846.741	152.156	0.000	0.000	3,998.898
2011	3,910.018	171.561	0.000	0.000	4,081.579
2010	764.486	3.632	0.000	0.000	768.118

Source: EPA Moderated Transaction System

Adoption of Biotech-Enhanced Seedstock

Major Exporting Countries Only



UNITED STATES PLANTED AREA					
Marketing Year	Total Soy Acres (Millions)	Total Soy Hectares (Millions)	Biotech Acres (Millions)	Biotech Hectares (Millions)	Percent Biotech
2021/2022	87.2	35.3	82.8	33.5	95
2020/2021	83.4	33.7	78.4	31.7	94
2019/2020	76.1	30.8	71.5	28.9	94
2018/2019	89.2	36.1	83.8	33.9	94
2017/2018	90.2	36.5	84.8	34.3	94
2016/2017	83.5	33.8	78.4	31.7	94
2015/2016	82.7	33.5	77.7	31.4	94
2014/2015	83.3	33.7	78.3	31.7	94
2013/2014	76.8	31.1	71.4	28.9	93
2012/2013	77.2	31.2	71.8	29.1	93
2011/2012	75.0	30.4	70.5	28.5	94
2010/2011	77.4	31.3	72.0	29.1	93
2009/2010	77.5	31.3	70.5	28.5	91
2008/2009	75.7	30.6	69.7	28.2	92
2007/2008	64.7	26.2	58.9	23.8	91
2006/2007	75.5	30.6	67.2	27.2	89
2005/2006	72.0	29.2	62.7	25.4	87
2004/2005	75.2	30.4	63.9	25.9	85

Note: Only includes herbicide-resistant biotech for the U.S.

Source: USDA, NASS

ARGENTINA PLANTED AREA

Marketing Year	Total Soy Acres (Millions)	Total Soy Hectares (Millions)	Biotech Acres (Millions)	Biotech Hectares (Millions)	Percent Biotech
2021/2022	40.8	16.5			
2020/2021	41.0	16.6			
2019/2020	41.3	16.7	41.2	16.7	100
2018/2019	44.5	18.0	44.5	18.0	100
2017/2018	48.2	19.5	48.2	19.5	100
2016/2017					
2015/2016	49.4	20.0	49.4	20.0	100
2014/2015	53.9	21.8	53.9	21.8	100
2013/2014	50.7	20.5	50.7	20.5	100
2012/2013	47.7	19.3	47.7	19.3	100
2011/2012	46.5	18.8	46.5	18.8	100
2010/2011	46.0	18.6	46.0	18.6	100
2009/2010					
2008/2009	42.0	17.0	42.0	17.0	100

BRAZIL PLANTED AREA

Marketing Year	Total Soy Acres (Millions)	Total Soy Hectares (Millions)	Biotech Acres (Millions)	Biotech Hectares (Millions)	Percent Biotech
2021/2022	99.8	40.4			
2020/2021	96.1	38.9			
2019/2020	91.3	37.0	89.5	36.2	98
2018/2019	88.6	35.9	84.8	34.3	96
2017/2018	86.9	35.2	79.9	32.3	92
2016/2017	83.8	33.9	77.9	31.5	93
2015/2016	82.3	33.3	76.5	31.0	93
2014/2015	77.8	31.5	72.4	29.3	93
2013/2014	74.4	30.1	67.7	27.4	91
2012/2013	68.4	27.7	60.2	24.4	88
2011/2012	61.8	25.0	52.5	21.3	85
2010/2011	59.8	24.2	50.8	20.6	85
2009/2010	58.1	23.5	37.7	15.3	65

Note: Blank sections indicate no data reported.

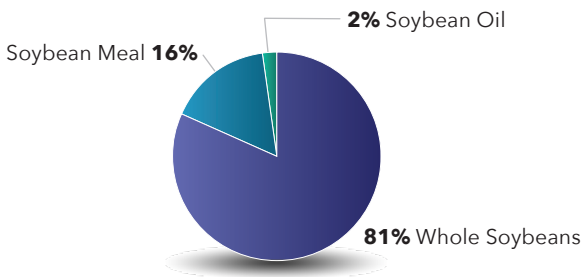
Source: USDA, FAS, GAIN

Exports

Marketing Year	Million Bushels	Million Metric Tons
2020/2021	2,261	61.5
2019/2020	1,679	45.7
2018/2019	1,753	47.7
2017/2018	2,134	58.1
2016/2017	2,167	59.0
2015/2016	1,943	52.9
2014/2015	1,842	50.1
2013/2014	1,639	44.6
2012/2013	1,328	36.1
2011/2012	1,365	37.2
2010/2011	1,505	41.0
2009/2010	1,499	40.8
2008/2009	1,279	34.8
2007/2008	1,159	31.5
2006/2007	1,116	30.4
2005/2006	940	25.6
2004/2005	1,097	29.9
2003/2004	887	24.1
2002/2003	1,044	28.4
2001/2002	1,064	28.9
2000/2001	996	27.1
1999/2000	973	26.5
1998/1999	805	21.9
1997/1998	874	23.8
1996/1997	886	24.1
1995/1996	849	23.1
1994/1995	840	22.9
1993/1994	588	16.0
1992/1993	771	21.0
1991/1992	684	18.6
1990/1991	557	15.2
1989/1990	622	16.9
1988/1989	527	14.3

Source: USDA, WAOB

Product Exports



WHOLE SOYBEAN EXPORTS

Customer	Value (Millions \$)	Customer	Value (Millions \$)
China	15,528	Taiwan	701
Mexico	2,408	Thailand	551
Japan	1,267	Vietnam	522
Egypt	1,253	South Korea	424
Indonesia	1,132	All Others	3,381
Netherlands	834		

SOYBEAN MEAL EXPORTS

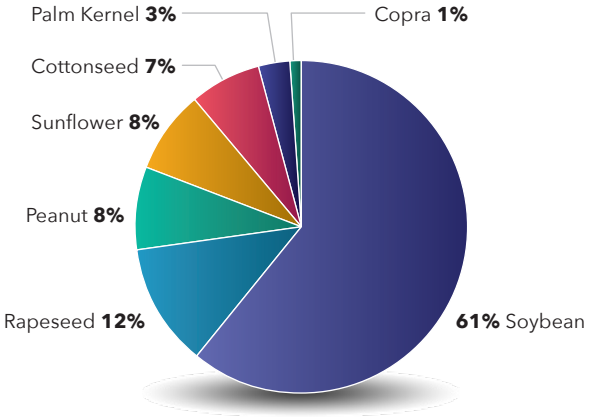
Customer	Value (Millions \$)	Customer	Value (Millions \$)
Philippines	947	Guatemala	206
Mexico	860	Vietnam	199
Canada	518	Morocco	153
Colombia	518	Venezuela	150
Ecuador	296	All Others	1,549
Dominican Republic	231		

SOYBEAN OIL EXPORTS

Customer	Value (Millions \$)	Customer	Value (Millions \$)
South Korea	224	Peru	45
Guatemala	95	India	34
Dominican Republic	82	Colombia	34
Mexico	76	Jamaica	24
Venezuela	67	All Others	98
Canada	58		

Source: USDA, FAS

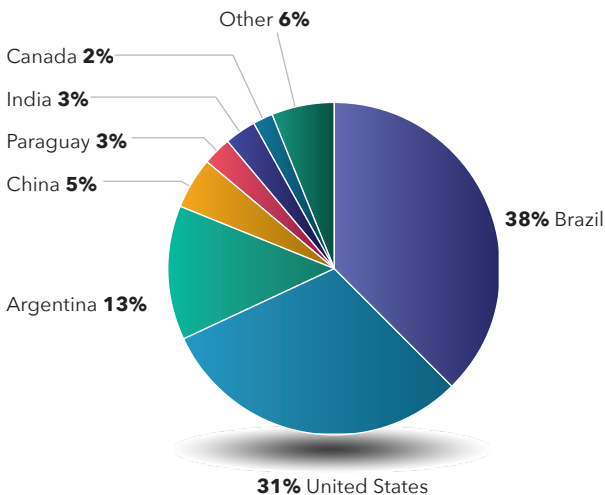
Oilseed Production



Oilseed	Million Short Tons	Million Metric Tons
Soybean	405.4	367.8
Rapeseed	81.1	73.6
Peanut	54.6	49.6
Sunflower	54.3	49.3
Cottonseed	45.1	40.9
Palm Kernel	21.0	19.0
Copra	6.1	5.6
Total	667.6	605.7

Source: USDA, FAS

WORLD 2020/2021 MARKETING YEAR Soybean Production

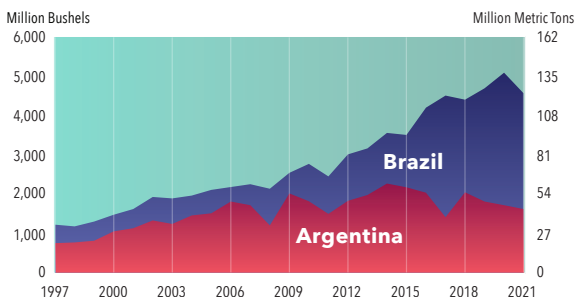


Country	Million Bushels	Million Metric Tons
Brazil	5,126	139.5
United States	4,216	114.7
Argentina	1,698	46.2
China	720	19.6
India	384	10.5
Paraguay	364	9.9
Canada	234	6.4
Other	771	21.0
Total	13,513	367.8

Source: USDA, FAS

BRAZIL & ARGENTINA 1997-2021

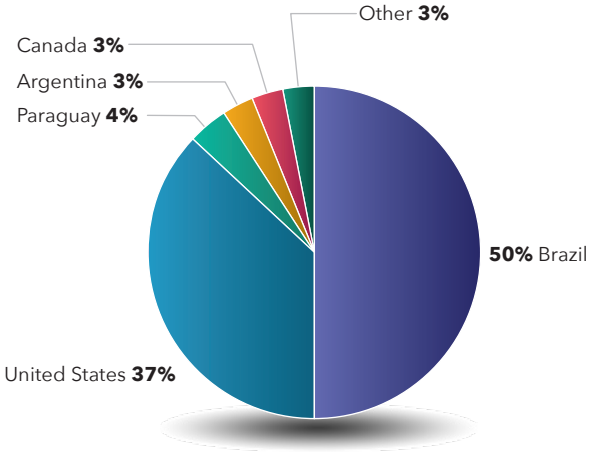
Soybean Production



BRAZIL			ARGENTINA		
Year	Million Bushels	Million Metric Tons	Year	Million Bushels	Million Metric Tons
2021	4,593	125.0	2021	1,543	42.0
2020	5,126	139.5	2020	1,698	46.2
2019	4,722	128.5	2019	1,793	48.8
2018	4,428	120.5	2018	2,032	55.3
2017	4,534	123.4	2017	1,389	37.8
2016	4,222	114.9	2016	2,021	55.0
2015	3,516	95.7	2015	2,161	58.8
2014	3,568	97.1	2014	2,258	61.5
2013	3,167	86.2	2013	1,962	53.4
2012	3,013	82.0	2012	1,811	49.3
2011	2,443	66.5	2011	1,473	40.1
2010	2,767	75.3	2010	1,800	49.0
2009	2,535	69.0	2009	2,003	54.5
2008	2,124	57.8	2008	1,176	32.0
2007	2,241	61.0	2007	1,698	46.2
2006	2,168	59.0	2006	1,793	48.8
2005	2,094	57.0	2005	1,488	40.5
2004	1,947	53.0	2004	1,433	39.0
2003	1,874	51.0	2003	1,213	33.0
2002	1,911	52.0	2002	1,304	35.5
2001	1,598	43.5	2001	1,102	30.0
2000	1,451	39.5	2000	1,021	27.8
1999	1,275	34.7	1999	779	21.2
1998	1,150	31.3	1998	735	20.0
1997	1,194	32.5	1997	716	19.5

Source: USDA, FAS

Soybean Exports



Country	Million Bushels	Million Metric Tons
Brazil	3,000	81.7
United States	2,261	61.5
Paraguay	233	6.3
Argentina	191	5.2
Canada	167	4.5
Other	193	5.2
Total	6,044	164.5

Source: USDA, FAS

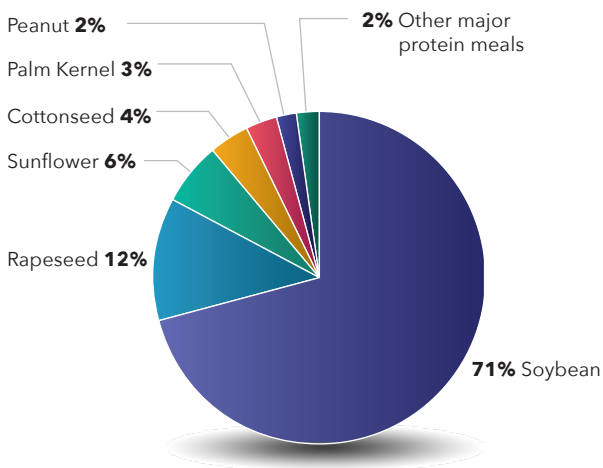
Meal Production

Year	Million Short Tons	Average \$ Per Short Ton*	Million Metric Tons	Average \$ Per Metric Ton*
2020/2021	50.6	392.31	45.9	355.90
2019/2020	51.1	299.50	46.4	271.70
2018/2019	48.8	308.28	44.3	279.67
2017/2018	49.2	345.02	44.7	313.00
2016/2017	44.8	316.88	40.6	287.47
2015/2016	44.7	324.56	40.5	294.44
2014/2015	45.1	368.49	40.9	334.29
2013/2014	40.7	489.94	36.9	444.47
2012/2013	39.9	468.11	36.2	424.66
2011/2012	41.0	395.53	37.2	358.82
2010/2011	39.3	345.52	35.6	313.45
2009/2010	41.7	311.27	37.8	282.38
2008/2009	39.1	331.17	35.5	300.43
2007/2008	42.3	335.94	38.4	304.76
2006/2007	43.0	205.44	39.0	186.37
2005/2006	41.2	174.17	37.4	158.00
2004/2005	40.7	182.90	36.9	165.92
2003/2004	36.3	256.05	33.0	232.28
2002/2003	38.2	181.58	34.6	164.73
2001/2002	40.3	167.72	36.6	152.15
2000/2001	39.4	173.61	35.7	157.50
1999/2000	37.6	167.70	34.1	152.14
1998/1999	37.8	138.55	34.3	125.69
1997/1998	38.2	185.30	34.6	168.10
1996/1997	34.2	270.90	31.0	245.76
1995/1996	32.5	235.90	29.5	214.01
1994/1995	33.3	162.60	30.2	147.51

* 48% protein, Decatur, Illinois

Source: USDA, WAOB

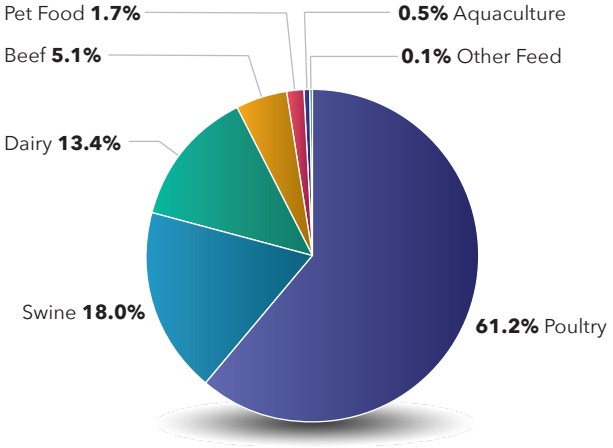
Protein Meal Consumption



Source	Million Short Tons	Million Metric Tons
Soybean	268.5	243.6
Rapeseed	45.4	41.2
Sunflower	22.8	20.7
Cottonseed	16.0	14.5
Palm Kernel	10.2	9.3
Peanut	8.6	7.8
Other major protein meals	8.1	7.3
Total	379.7	344.4

Source: USDA, FAS

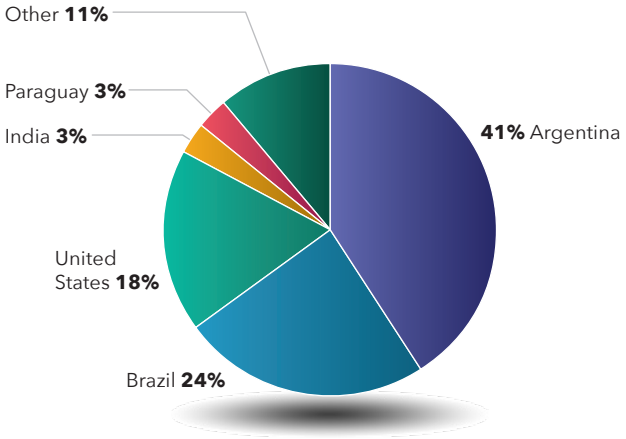
Meal Use by Livestock



Use	Million Short Tons	Million Metric Tons
Poultry	22.4	20.3
Swine	6.6	6.0
Dairy	4.9	4.4
Beef	1.9	1.7
Pet Food	0.6	0.6
Aquaculture	0.2	0.2
Other Feed	0.0	0.0
Total	36.5	33.1

Source: USB Soybean Meal Demand Assessment Reports

Meal Exports



Country	Million Short Tons	Million Metric Tons
Argentina	31.2	28.3
Brazil	18.3	16.6
United States	13.8	12.5
India	2.2	2.0
Paraguay	2.1	1.9
Other	8.1	7.3
Total	75.7	68.7

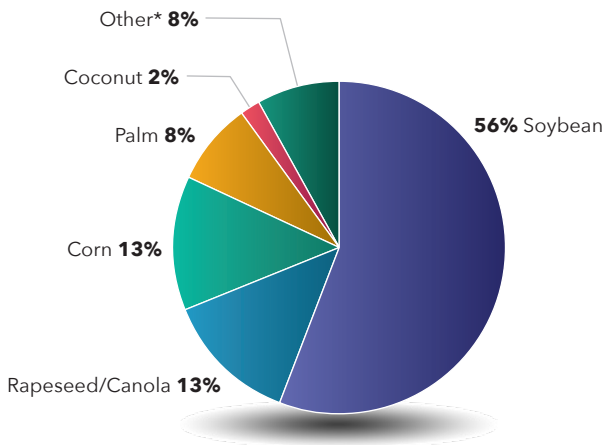
Source: USDA, FAS

U.S. 1993/94-2020/21 MARKETING YEARS
Soybean Oil Production

Marketing Year	Billion Pounds	Average \$ Per Pound	Million Metric Tons	Average \$ Per Metric Ton
2020/2021	25.0	0.569	11.4	1254
2019/2020	24.9	0.297	11.3	654
2018/2019	24.2	0.283	11.0	623
2017/2018	23.8	0.300	10.8	662
2016/2017	22.1	0.326	10.0	718
2015/2016	22.0	0.299	10.0	658
2014/2015	21.4	0.316	9.7	697
2013/2014	20.1	0.382	9.1	843
2012/2013	19.8	0.471	9.0	1039
2011/2012	19.7	0.519	9.0	1144
2010/2011	18.9	0.532	8.6	1173
2009/2010	19.6	0.360	8.9	793
2008/2009	18.7	0.322	8.5	709
2007/2008	20.6	0.520	9.3	1147
2006/2007	20.5	0.310	9.3	684
2005/2006	20.4	0.234	9.2	516
2004/2005	19.4	0.230	8.8	507
2003/2004	17.1	0.300	7.7	661
2002/2003	18.4	0.220	8.4	486
2001/2002	18.9	0.165	8.6	363
2000/2001	18.4	0.141	8.4	311
1999/2000	17.8	0.156	8.1	344
1998/1999	18.1	0.198	8.2	437
1997/1998	18.1	0.258	8.2	569
1996/1997	15.8	0.225	7.1	496
1995/1996	15.2	0.247	6.9	545
1994/1995	15.6	0.275	7.1	606
1993/1994	14.0	0.270	6.3	594

Source: USDA, WAOB

Vegetable Oil Consumption

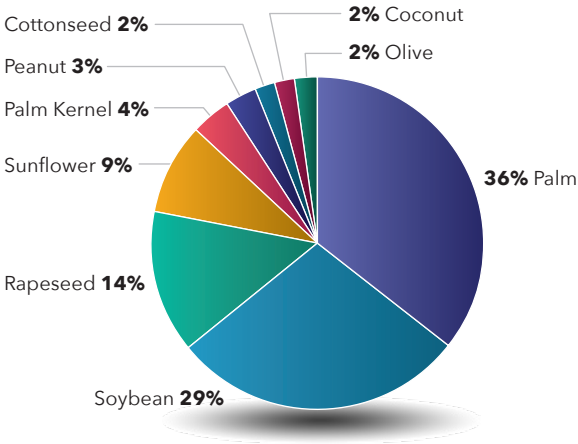


Feedstock	Million Pounds	Million Metric Tons
Soybean	23,323	10.6
Rapeseed/Canola	5,586	2.5
Corn	5,297	2.4
Palm	3,537	1.6
Coconut	959	0.4
Other*	3,172	1.4
Total	41,874	19.0

*Other includes palm kernel, peanut, sunflower, safflower and others.

Source: USDA, ERS

Vegetable Oil Consumption



Feedstock	Million Pounds	Million Metric Tons
Palm	80.7	73.2
Soybean	64.8	58.7
Rapeseed	31.4	28.5
Sunflower	20.1	18.3
Palm Kernel	9.2	8.3
Peanut	7.1	6.5
Cottonseed	5.4	4.9
Coconut	3.9	3.5
Olive	3.4	3.1
Total	226.0	205.0

Source: USDA, FAS

ABOUT THE AMERICAN SOYBEAN ASSOCIATION



The mission of the American Soybean Association (ASA) is to advocate for U.S. soy farmers on policy and trade.

ASA represents U.S. soybean farmers on domestic and international policy issues important to the soybean industry. ASA has 26 affiliated state associations representing 30 soybean-producing states and more than 500,000 soybean farmers.

In support of ASA's mission to advocate for U.S. soy farmers on policy and trade, ASA invests cost-share funding provided by the U.S. Department of Agriculture's Foreign Agricultural Service in the U.S. Soybean Export Council to operate global offices and conduct activities to maximize the use of U.S. soy internationally.

Visit SoyGrowers.com or contact the American Soybean Association at 800-688-7692.

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