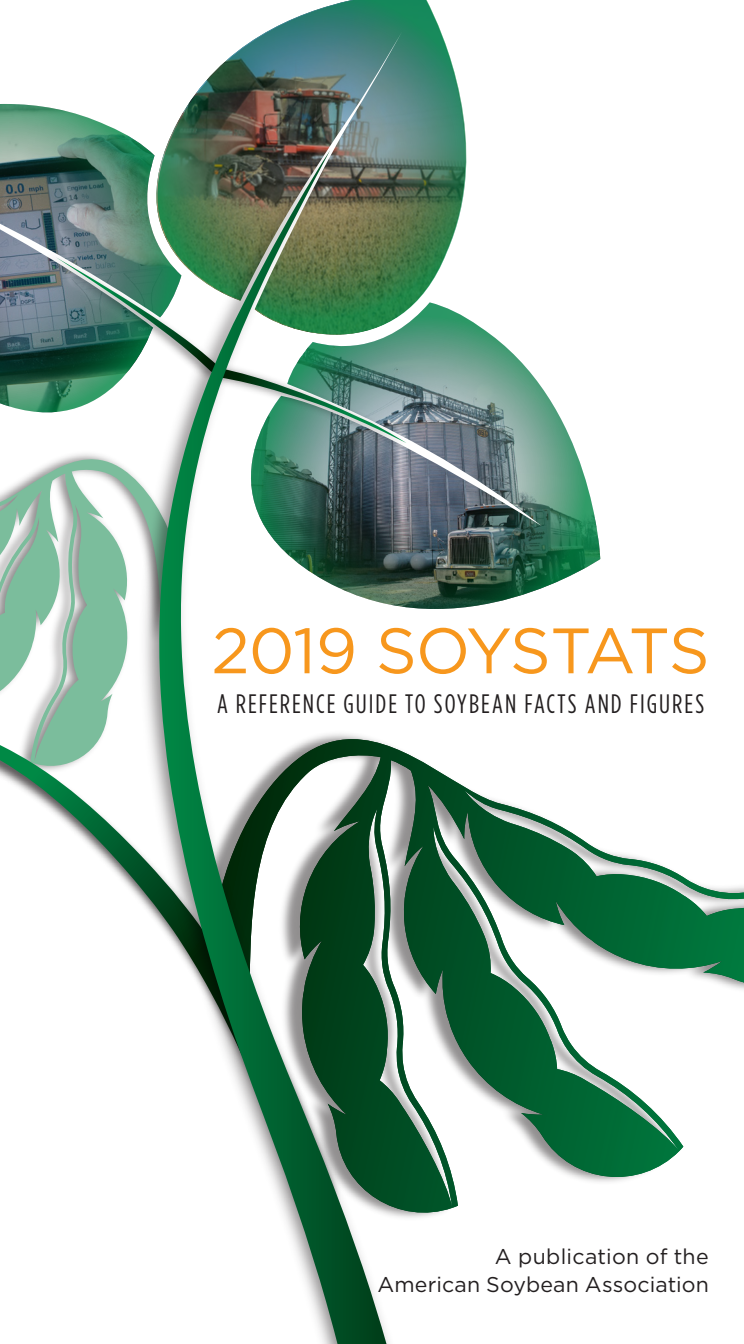




2019 SOYSTATS

A REFERENCE GUIDE TO SOYBEAN FACTS AND FIGURES

A publication of the
American Soybean Association

2019 SOYSTATS

A publication of the American Soybean Association

Welcome to the 2019 edition of SoyStats®, your comprehensive resource for statistical information about the U.S. soybean industry and its relationship to global oilseed production.

Soybean Highlights From 2018:

- U.S. soybean farmers planted 89.2 million acres.
- Average yield in the U.S. was 51.6 bushels per acre.
- U.S. soybean production was 4.54 billion bushels.
- Total value of the U.S. soybean crop was \$39.13 billion.
- The U.S. exported 1.87 billion bushels of soybeans, or 41 percent of total production.
- The U.S. was first in world soybean production with 4.54 billion bushels, followed by Brazil at 4.29 billion bushels.
- Soybeans represented 61 percent of the world's oilseed production.

Soybean Facts:

- A bushel of soybeans weighs 60 lbs. (27.22 kg) and produces about 11 pounds of oil and 48 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 holding three pea-sized beans.

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Composition of a Soybean

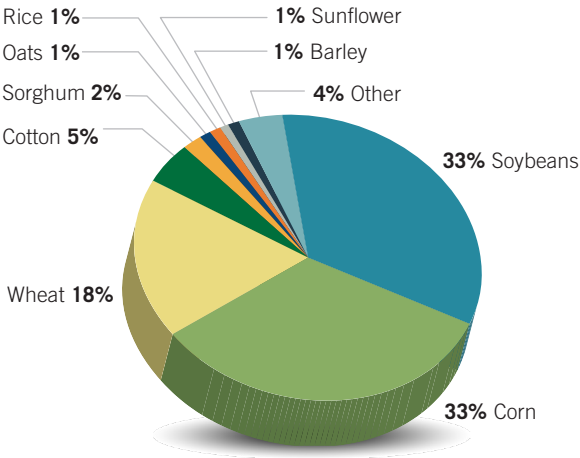
In processing, soybeans are cleaned, cracked, dehulled and rolled into flakes. This ruptures the oil cells for efficient extraction to separate the oil and meal components.

Soybean oil finds its way into food products such as margarine, salad dressings and cooking oils, and industrial products such as plastics and biodiesel fuel. 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 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 breads, cereal and snacks.

U.S. Crop Area Planted 2018



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 = 2,200 pounds of soybeans
- 1 metric ton = 1.1 short tons of soybeans
- 1 hectare = 2.471 acres

Source Guide

CONAB

Brazil's National Food Supply Agency

ERS

Economic Research Service

FAS

Foreign Agricultural Service

ISAAA

International Service for the Acquisition
of Agri-biotech Applications

NASS

National Agricultural Statistics Service

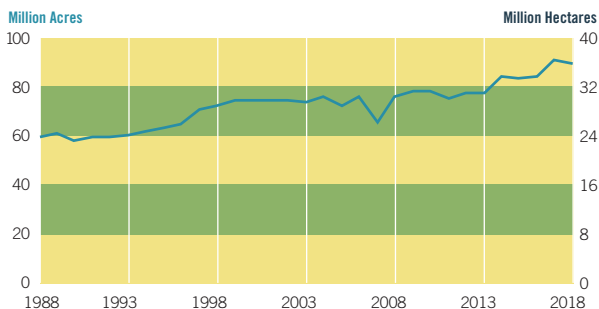
USDA

United States Department of Agriculture

WAOB

World Agricultural Outlook Board

U.S. Soybean Area Planted 1988-2018



Year	Million Acres	Million Hectares	Year	Million Acres	Million Hectares
2018	89.2	36.1	2002	73.9	29.9
2017	90.2	36.5	2001	74.1	30.0
2016	83.5	33.8	2000	74.3	30.1
2015	82.7	33.4	1999	73.7	29.8
2014	83.3	33.7	1998	72.0	29.1
2013	76.8	31.1	1997	70.0	28.3
2012	77.2	31.2	1996	64.2	26.0
2011	75.0	30.4	1995	62.5	25.3
2010	77.4	31.3	1994	61.6	24.9
2009	77.5	31.4	1993	60.1	24.3
2008	75.7	30.6	1992	59.2	24.0
2007	64.7	26.2	1991	59.2	24.0
2006	75.5	30.6	1990	57.8	23.4
2005	72.0	29.1	1989	60.8	24.6
2004	75.2	30.4	1988	58.8	23.8
2003	73.4	29.7			

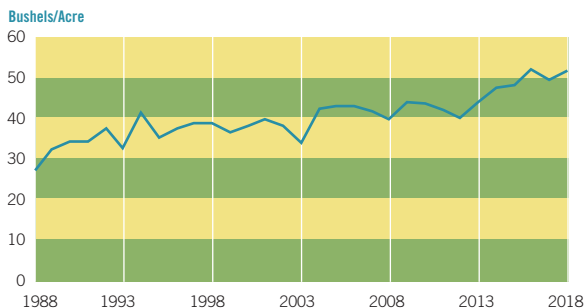
Source: USDA, NASS

U.S. Soybean Area Planted by State 2018

Ranking	State	Thousand Acres	Thousand Hectares
1	Illinois	10,800	4,371
2	Iowa	10,000	4,047
3	Minnesota	7,800	3,157
4	N. Dakota	6,900	2,792
5	Indiana	5,950	2,408
6	Missouri	5,850	2,367
7	Nebraska	5,700	2,307
8	S. Dakota	5,650	2,287
9	Ohio	5,000	2,023
10	Kansas	4,750	1,922
11	Arkansas	3,280	1,327
12	Michigan	2,300	931
13	Mississippi	2,230	902
14	Wisconsin	2,200	890
15	Kentucky	2,000	809
16	Tennessee	1,700	688
17	N. Carolina	1,650	668
18	Louisiana	1,340	542
19	Pennsylvania	640	259
20	Oklahoma	630	255
21	Virginia	600	243
22	Maryland	520	210
23	S. Carolina	390	158
24	Alabama	345	140
25	New York	330	134
26	Texas	175	71
27	Delaware	170	69
28	Georgia	145	59
29	New Jersey	105	42
30	W. Virginia	28	11
31	Florida	18	7

Source: USDA, NASS

U.S. Soybean Yield 1988-2018



Year	Bushels/ Acre	Metric Tons/ Hectare	Year	Bushels/ Acre	Metric Tons/ Hectare
2018	51.6	3.5	2002	38.0	2.6
2017	49.3	3.3	2001	39.6	2.7
2016	51.9	3.5	2000	38.1	2.6
2015	48.0	3.2	1999	36.6	2.5
2014	47.5	3.2	1998	38.9	2.6
2013	44.0	3.0	1997	38.9	2.6
2012	40.0	2.7	1996	37.6	2.5
2011	41.9	2.8	1995	35.3	2.4
2010	43.5	2.9	1994	41.4	2.8
2009	44.0	3.0	1993	32.6	2.2
2008	39.7	2.7	1992	37.6	2.5
2007	41.7	2.8	1991	34.2	2.3
2006	42.9	2.9	1990	34.1	2.3
2005	43.1	2.9	1989	32.3	2.2
2004	42.2	2.8	1988	27.0	1.8
2003	33.9	2.3			

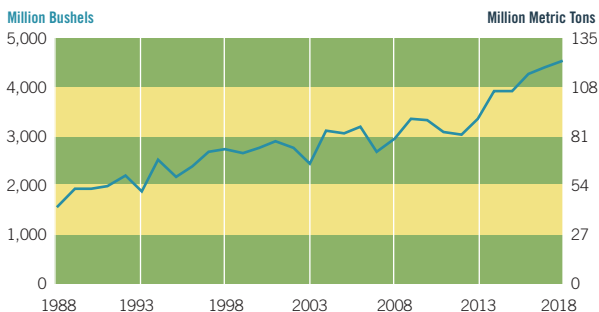
Source: USDA, NASS

U.S. Soybean Yield by State 2018

Ranking	State	Bushels/Acre	Metric Tons/ Hectare
1	Illinois	65.0	4.4
2	Nebraska	59.0	4.0
3	Indiana	58.5	3.9
4	Ohio	58.0	3.9
5	Iowa	57.0	3.8
6	Mississippi	54.5	3.7
7	W. Virginia	53.5	3.6
8	New York	52.5	3.5
9	Kentucky	52.0	3.5
10	Louisiana	52.0	3.5
11	Arkansas	51.0	3.4
12	Minnesota	50.5	3.4
13	Wisconsin	49.0	3.3
14	Michigan	48.0	3.2
15	Maryland	47.5	3.2
16	S. Dakota	46.0	3.1
17	Tennessee	46.0	3.1
18	Missouri	45.0	3.0
19	Pennsylvania	45.0	3.0
20	Kansas	43.5	2.9
21	Virginia	43.0	2.9
22	Delaware	42.0	2.8
23	Alabama	41.0	2.8
24	Georgia	40.0	2.7
25	New Jersey	40.0	2.7
26	Florida	38.0	2.6
27	N. Dakota	35.5	2.4
28	N. Carolina	34.0	2.3
29	Texas	32.0	2.2
30	Oklahoma	30.0	2.0
31	S. Carolina	29.5	2.0

Source: USDA, NASS

U.S. Soybean Production 1988-2018



Year	Million Bushels	Million Metric Tons	Year	Million Bushels	Million Metric Tons
2018	4,544	123.7	2002	2,756	75.0
2017	4,412	120.1	2001	2,891	78.7
2016	4,296	116.9	2000	2,758	75.1
2015	3,926	106.8	1999	2,654	72.2
2014	3,927	106.9	1998	2,741	74.6
2013	3,358	91.4	1997	2,689	73.2
2012	3,042	82.8	1996	2,380	64.8
2011	3,094	84.2	1995	2,174	59.2
2010	3,329	90.6	1994	2,515	68.4
2009	3,359	91.4	1993	1,871	50.9
2008	2,967	80.7	1992	2,190	59.6
2007	2,677	72.9	1991	1,987	54.1
2006	3,197	87.0	1990	1,926	52.4
2005	3,068	83.5	1989	1,924	52.4
2004	3,124	85.0	1988	1,549	42.2
2003	2,454	66.8			

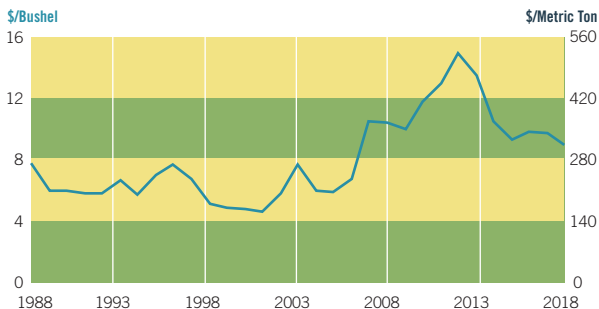
Source: USDA, NASS

U.S. Soybean Production by State 2018

Ranking	State	Million Bushels	Million Metric Tons
1	Illinois	698.8	19.0
2	Iowa	564.9	15.4
3	Minnesota	389.4	10.6
4	Indiana	346.3	9.4
5	Nebraska	333.4	9.1
6	Ohio	288.8	7.9
7	Missouri	261.0	7.1
8	S. Dakota	256.7	7.0
9	N. Dakota	243.5	6.6
10	Kansas	204.5	5.6
11	Arkansas	165.2	4.5
12	Mississippi	119.4	3.2
13	Michigan	109.4	3.0
14	Wisconsin	105.8	2.9
15	Kentucky	103.5	2.8
16	Tennessee	76.8	2.1
17	Louisiana	62.4	1.7
18	N. Carolina	53.4	1.5
19	Pennsylvania	28.4	0.8
20	Virginia	25.4	0.7
21	Maryland	24.5	0.7
22	Oklahoma	18.0	0.5
23	New York	16.8	0.5
24	Alabama	13.9	0.4
25	S. Carolina	11.1	0.3
26	Delaware	7.1	0.2
27	Georgia	5.4	0.1
28	Texas	4.3	0.1
29	New Jersey	4.1	0.1
30	W. Virginia	1.4	0.0
31	Florida	0.5	0.0

Source: USDA, NASS

U.S. Soybean Price Paid to Farmers 1988-2018



Year	Dollars/ Bushel	Dollars/ Metric Ton	Year	Dollars/ Bushel	Dollars/ Metric Ton
2018	8.60	316	2002	5.53	203
2017	9.33	343	2001	4.38	161
2016	9.47	348	2000	4.54	167
2015	8.95	329	1999	4.63	170
2014	10.10	371	1998	4.93	181
2013	13.00	478	1997	6.47	238
2012	14.40	529	1996	7.35	270
2011	12.50	459	1995	6.72	247
2010	11.30	415	1994	5.48	201
2009	9.59	352	1993	6.40	235
2008	9.97	366	1992	5.56	204
2007	10.10	371	1991	5.58	205
2006	6.43	236	1990	5.74	211
2005	5.66	208	1989	5.69	209
2004	5.74	211	1988	7.42	273
2003	7.34	270			

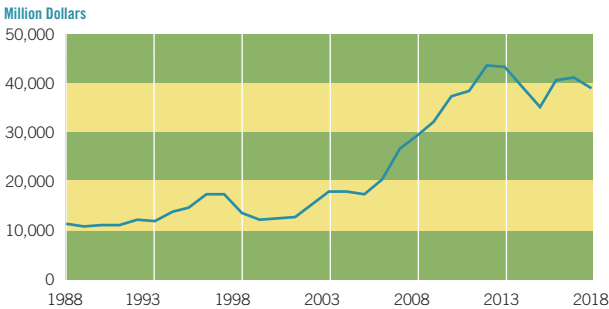
Source: USDA, NASS

U.S. Soybean Price to Farmers by State 2018

Ranking	State	Dollars/Bushel	Dollars/ Metric Ton
1	Mississippi	9.25	340
2	Louisiana	9.05	333
3	Arkansas	9.00	331
4	Illinois	8.95	329
5	S. Carolina	8.95	329
6	Alabama	8.85	325
7	Kentucky	8.80	323
8	Tennessee	8.80	323
9	Indiana	8.75	322
10	Ohio	8.75	322
11	N. Carolina	8.70	320
12	Iowa	8.60	316
13	Michigan	8.60	316
14	Missouri	8.60	316
15	Virginia	8.60	316
16	W. Virginia	8.60	316
17	Wisconsin	8.60	316
18	Georgia	8.55	314
19	Minnesota	8.55	314
20	Delaware	8.45	310
21	Maryland	8.45	310
22	New York	8.40	309
23	Nebraska	8.30	305
24	N. Dakota	8.30	305
25	Pennsylvania	8.30	305
26	Florida	8.10	298
27	S. Dakota	8.05	296
28	New Jersey	8.00	294
29	Kansas	7.95	292
30	Oklahoma	7.85	288
31	Texas	7.65	281

Source: USDA, NASS

U.S. Soybean Crop Value 1988-2018



Year	Million Dollars	Year	Million Dollars
2018	39,134	2002	15,240
2017	41,309	2001	12,663
2016	40,695	2000	12,521
2015	35,192	1999	12,288
2014	39,475	1998	13,513
2013	43,583	1997	17,373
2012	43,723	1996	17,400
2011	38,498	1995	14,617
2010	37,547	1994	13,756
2009	32,145	1993	11,974
2008	29,458	1992	12,176
2007	26,884	1991	11,087
2006	20,499	1990	11,042
2005	17,337	1989	10,916
2004	17,932	1988	11,492
2003	18,012		

Source: USDA, NASS

U.S. Soybean Crop Value by State 2018

Ranking	State	Million Dollars	Percent of Total Principal Crops*
1	Illinois	6,254	45.7
2	Iowa	4,858	34.6
3	Minnesota	3,329	34.8
4	Indiana	3,030	45.6
5	Nebraska	2,767	29.1
6	Ohio	2,527	51.9
7	Missouri	2,245	39.1
8	S. Dakota	2,066	38.9
9	N. Dakota	2,021	29.5
10	Kansas	1,625	24.8
11	Arkansas	1,487	38.8
12	Mississippi	1,104	46.2
13	Michigan	941	33.8
14	Kentucky	911	31.6
15	Wisconsin	910	26.9
16	Tennessee	676	31.4
17	Louisiana	565	29.0
18	N. Carolina	464	16.0
19	Pennsylvania	235	10.8
20	Virginia	218	20.8
21	Maryland	207	29.5
22	Oklahoma	141	8.4
23	New York	141	13.6
24	Alabama	123	12.2
25	S. Carolina	99	13.0
26	Delaware	60	25.1
27	Georgia	46	2.2
28	Texas	33	0.5
29	New Jersey	33	23.4
30	W. Virginia	12	8.0
31	Florida	4	0.3

Source: USDA, NASS

*Includes field and miscellaneous crops

U.S. Soybean Production Costs & Returns 2018

Category	\$/Planted Acre	\$/Planted Hectare
Gross value of production		
Soybeans	437.27	1,080.49
Total gross value of production	437.27	1,080.49
Operating Costs:		
Seed	58.18	143.76
Fertilizer*	25.04	61.87
Chemicals	27.29	67.43
Custom operations	10.43	25.77
Fuel, lube, and electricity	14.90	36.82
Repairs	23.89	59.03
Purchased irrigation water	0.06	0.15
Interest on operating capital	1.52	3.76
Total operating costs	161.31	398.60
Allocated overhead:		
Hired Labor	3.28	8.10
Opportunity cost of unpaid labor	19.52	48.23
Capital recovery of machinery & equipment	92.61	228.84
Opportunity cost of land (rental rate)	144.96	358.20
Taxes and insurance	10.89	26.91
General farm overhead	18.49	45.69
Total allocated overhead	289.75	715.97
Total cost listed	451.06	1,114.57
Value of production less total costs listed	-13.79	-34.08
Value of production less operating costs	275.96	681.89
Supporting information:		
Yield (bushels per planted acre)(mt/ha)	51.0	3.43
Price (\$ per bushel at harvest)(\$/mt)	8.58	315
Enterprise size (planted acres)(ha)**	273	110
Production practices:**		
Irrigated (percent)	10	10
Dryland (percent)	90	90

* Commercial fertilizer, soil conditioners and manure

** Developed from survey base year, 2012

Sources: USDA, ERS, Industry Estimates

U.S. Soybean **Crush** 1988-2018

Year	Million Bushels	Metric Tons
2018	2,100	57.2
2017	2,055	55.9
2016	1,901	51.7
2015	1,886	51.3
2014	1,873	51.0
2013	1,734	47.2
2012	1,689	46.0
2011	1,703	46.3
2010	1,648	44.9
2009	1,752	47.7
2008	1,662	45.2
2007	1,803	49.1
2006	1,808	49.2
2005	1,739	47.3
2004	1,696	46.2
2003	1,530	41.6
2002	1,615	44.0
2001	1,700	46.3
2000	1,641	44.7
1999	1,579	43.0
1998	1,590	43.3
1997	1,597	43.5
1996	1,436	39.1
1995	1,370	37.3
1994	1,405	38.2
1993	1,276	34.7
1992	1,279	34.8
1991	1,254	34.1
1990	1,187	32.3
1989	1,146	31.2
1988	1,058	28.8

Source: USDA, WAOB

U.S. Soybean Ending Stocks 1988-2018

Year	Million Bushels	Metric Tons
2018	895	24.4
2017	438	11.9
2016	302	8.2
2015	197	5.4
2014	191	5.2
2013	92	2.5
2012	141	3.8
2011	169	4.6
2010	215	5.9
2009	151	4.1
2008	138	3.8
2007	205	5.6
2006	574	15.6
2005	449	12.2
2004	256	7.0
2003	112	3.0
2002	178	4.8
2001	208	5.7
2000	248	6.7
1999	290	7.9
1998	348	9.5
1997	200	5.4
1996	132	3.6
1995	183	5.0
1994	335	9.1
1993	209	5.7
1992	292	7.9
1991	278	7.6
1990	329	9.0
1989	239	6.5
1988	182	5.0

Source: USDA, WAOB

U.S. Biodiesel Production 1999-2018

Year	Million Gallons	Million Liters
2018	1,853	7,014
2017	1,596	6,042
2016	1,569	5,939
2015	1,268	4,800
2014	1,271	4,811
2013	1,359	5,144
2012	991	3,751
2011	967	3,660
2010	343	1,298
2009	545	2,063
2008	700	2,646
2007	450	1,701
2006	250	945
2005	112	423
2004	25	95
2003	20	76
2002	15	57
2001	5	19
2000	2	8
1999	0.5	2

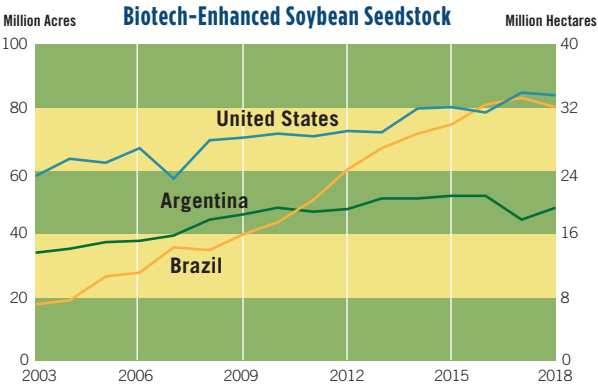
Source: National Biodiesel Board, Energy Information Administration

1 bushel of soybeans produces 1.5 gallons of biodiesel and 48 pounds of protein-rich meal.

Adoption of Biotech-Enhanced Seedstock

2003-2018

MAJOR EXPORTING COUNTRIES ONLY



UNITED STATES					
Year	Total Soy Acres (Millions)	Total Soy Hectares (Millions)	Biotech Acres (Millions)	Biotech Hectares (Millions)	Percent Biotech
2018	89.2	36.1	83.8	33.9	94
2017	90.2	36.5	84.7	34.3	94
2016	83.4	33.8	78.4	31.7	94
2015	85.2	34.5	80.0	32.4	94
2014	84.8	34.3	79.7	32.2	94
2013	77.6	31.4	72.2	29.2	93
2012	77.2	31.2	72.6	29.3	94
2011	75.4	30.5	70.9	28.7	94
2010	77.4	31.3	71.9	29.1	93
2009	77.5	31.4	70.5	28.6	91
2008	75.7	30.6	69.6	28.2	92
2007	63.6	25.7	57.8	23.4	91
2006	75.5	30.6	67.2	27.2	89
2005	72.0	29.1	62.6	25.3	87
2004	75.2	30.4	63.9	25.8	85
2003	72.3	29.3	58.6	23.7	81

Source: USDA, ISAAA

ARGENTINA

Year	Total Soy Acres (Millions)	Total Soy Hectares (Millions)	Biotech Acres (Millions)	Biotech Hectares (Millions)	Percent Biotech
*2018	48.2	19.5	48.2	19.5	100
2017	44.7	18.1	44.7	18.1	100
2016	52.1	21.1	52.1	21.1	100
2015	52.1	21.1	52.1	21.1	100
2014	51.4	20.8	51.4	20.8	100
2013	51.4	20.8	51.4	20.8	100
2012	47.9	19.4	47.9	19.4	100
2011	47.2	19.1	47.2	19.1	100
2010	48.2	19.5	48.2	19.5	100
2009	46.9	19.0	46.4	18.8	99
2008	44.9	18.2	44.7	18.1	99
2007	41.5	16.8	39.5	16.0	95
2006	38.0	15.4	37.8	15.3	100
2005	37.6	15.2	37.4	15.1	100
2004	35.6	14.4	35.3	14.3	99
2003	34.6	14.0	34.3	13.9	99

* Estimate | Source: USDA, ISAAA

BRAZIL

Year	Total Soy Acres (Millions)	Total Soy Hectares (Millions)	Biotech Acres (Millions)	Biotech Hectares (Millions)	Percent Biotech
*2018	87.0	35.2	80.0	32.4	92
2017	85.7	34.7	83.2	33.7	97
2016	83.7	33.9	80.8	32.7	97
2015	79.5	32.2	74.8	30.3	94
2014	77.1	31.2	71.7	29.0	93
2013	72.9	29.5	67.4	27.3	92
2012	68.2	27.6	60.7	24.6	89
2011	61.8	25.0	50.9	20.7	83
2010	62.7	25.4	44.0	17.8	75
2009	56.6	22.9	40.0	16.2	71
2008	54.1	21.9	35.1	14.2	65
2007	54.4	22.0	35.8	14.5	66
2006	49.9	20.2	27.9	11.3	56
2005	54.3	22.0	26.6	10.8	49
2004	56.3	22.8	19.1	7.7	34
2003	52.6	21.3	17.9	7.2	34

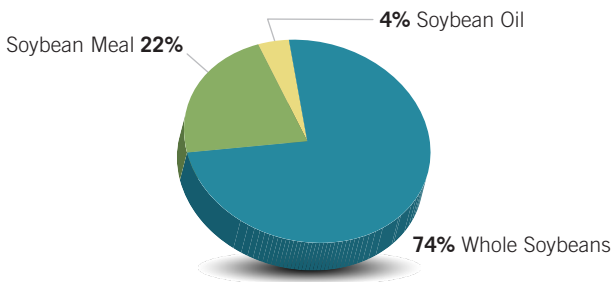
* Estimate | Source: USDA, ISAAA

U.S. Soybean Exports 1988-2018

Year	Million Bushels	Million Metric Tons
2018	1,875	51.0
2017	2,129	57.9
2016	2,166	58.9
2015	1,942	52.9
2014	1,842	50.1
2013	1,638	44.6
2012	1,317	35.8
2011	1,365	37.1
2010	1,501	40.9
2009	1,499	40.8
2008	1,279	34.8
2007	1,159	31.5
2006	1,116	30.4
2005	940	25.6
2004	1,097	29.9
2003	880	23.9
2002	1,045	28.4
2001	1,063	28.9
2000	996	27.1
1999	975	26.5
1998	805	21.9
1997	872	23.7
1996	882	24.0
1995	851	23.2
1994	838	22.8
1993	589	16.0
1992	770	21.0
1991	684	18.6
1990	557	15.2
1989	623	17.0
1988	527	14.3

Source: USDA, WAOB

U.S. Soybean & Soy Product Exports 2018



WHOLE SOYBEAN EXPORTS

Customer	Value (Millions \$)	Customer	Value (Millions \$)
China	3,145	Taiwan	803
Mexico	1,723	Argentina	719
Netherlands	1,379	Pakistan	689
Egypt	1,164	Spain	618
Indonesia	998	All Others	4,917
Japan	947		

SOYBEAN MEAL EXPORTS

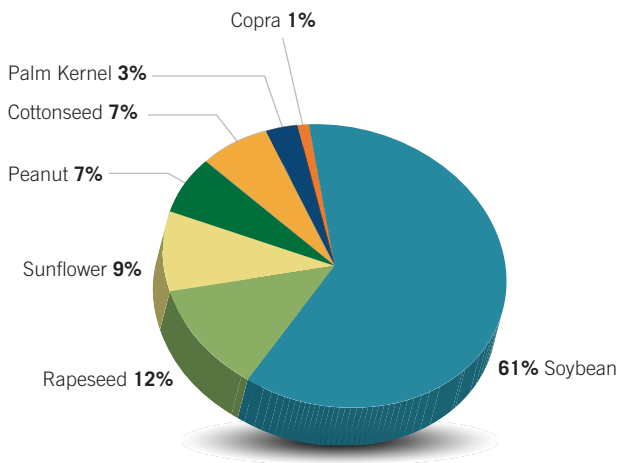
Customer	Value (Millions \$)	Customer	Value (Millions \$)
Philippines	888	Dominican Republic	189
Mexico	671	Guatemala	170
Colombia	478	Japan	147
Canada	353	Spain	136
Vietnam	304	All Others	1,581
Morocco	205		

SOYBEAN OIL EXPORTS

Customer	Value (Millions \$)	Customer	Value (Millions \$)
South Korea	214	Venezuela	35
Mexico	129	Canada	24
Dominican Republic	107	Jamaica	21
Colombia	100	Nicaragua	12
Peru	70	All Others	114
Guatemala	57		

Source: USDA, FAS

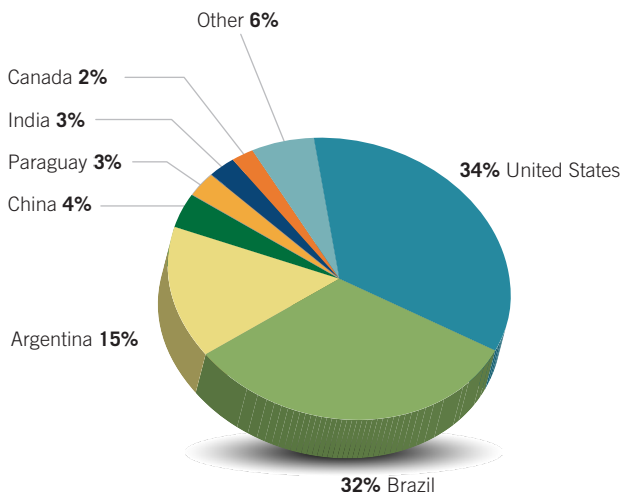
World Oilseed Production 2018



Oilseed	Million Short Tons	Million Metric Tons
Soybean	397.9	361.0
Rapeseed	77.6	70.4
Sunflower	56.8	51.5
Cottonseed	47.7	43.3
Peanut	46.2	41.9
Palm Kernel	21.4	19.4
Copra	6.4	5.8
Total	654.0	593.3

Source: USDA, FAS

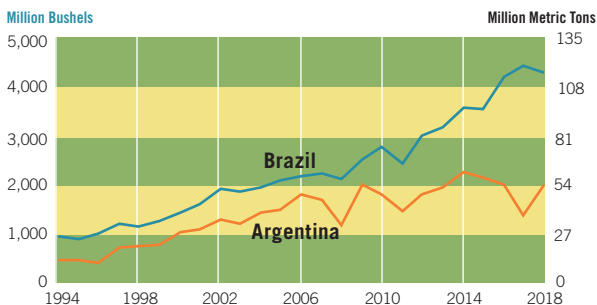
World Soybean Production 2018



Country	Million Bushels	Million Metric Tons
United States	4,544	123.7
Brazil	4,299	117.0
Argentina	2,021	55.0
China	584	15.9
India	404	11.0
Paraguay	349	9.5
Canada	268	7.3
Other	794	21.6
Total	13,263	361.0

Source: USDA, FAS

Brazil & Argentina Soybean Production 1994-2018

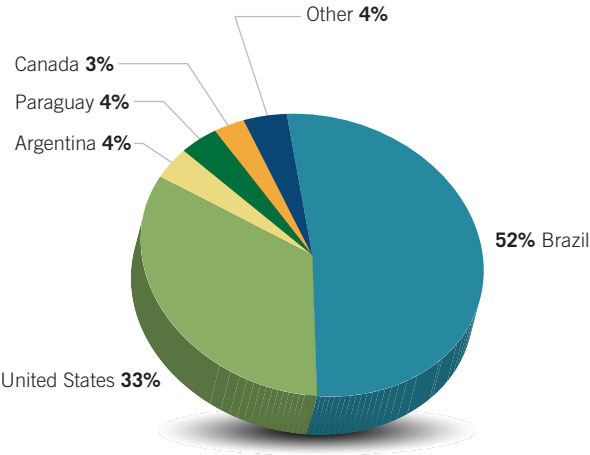


BRAZIL		
Year	Million Bushels	Million Metric Tons
2018	4,299	117.0
2017	4,439	120.8
2016	4,211	114.6
2015	3,546	96.5
2014	3,571	97.2
2013	3,186	86.7
2012	3,013	82.0
2011	2,443	66.5
2010	2,767	75.3
2009	2,535	69.0
2008	2,124	57.8
2007	2,241	61.0
2006	2,168	59.0
2005	2,094	57.0
2004	1,947	53.0
2003	1,874	51.0
2002	1,911	52.0
2001	1,598	43.5
2000	1,433	39.0
1999	1,257	34.2
1998	1,150	31.3
1997	1,194	32.5
1996	1,003	27.3
1995	887	24.2
1994	952	25.9

ARGENTINA		
Year	Million Bushels	Million Metric Tons
2018	2,021	55.0
2017	1,389	37.8
2016	2,021	55.0
2015	2,161	58.8
2014	2,258	61.5
2013	1,962	53.4
2012	1,811	49.3
2011	1,473	40.1
2010	1,800	49.0
2009	2,003	54.5
2008	1,176	32.0
2007	1,698	46.2
2006	1,793	48.8
2005	1,488	40.5
2004	1,433	39.0
2003	1,213	33.0
2002	1,304	35.5
2001	1,102	30.0
2000	1,021	27.8
1999	779	21.2
1998	735	20.0
1997	716	19.5
1996	412	11.2
1995	457	12.4
1994	459	12.5

Source: USDA, FAS

World Soybean Exports 2018



Country	Million Bushels	Million Metric Tons
Brazil	2,921	79.5
United States	1,875	51.0
Argentina	231	6.3
Paraguay	206	5.6
Canada	195	5.3
Other	244	6.6
Total	5,672	154.3

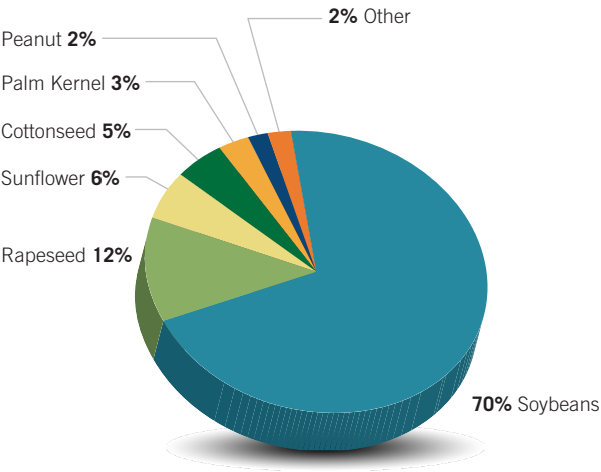
Source: USDA, FAS

U.S. Soybean Meal Production 1991-2018

Year	Million Short Tons	Average \$ Per Short Ton	Million Metric Tons	Average \$ Per Metric Ton
2018	49.1	315	44.5	347
2017	49.2	345	44.6	380
2016	44.8	317	40.6	349
2015	44.7	325	40.6	358
2014	45.1	368	40.9	406
2013	40.7	490	36.9	540
2012	39.9	468	36.2	516
2011	41.0	394	37.2	434
2010	39.3	346	35.7	381
2009	41.7	311	37.8	343
2008	39.1	331	35.5	365
2007	42.3	336	38.4	370
2006	43.0	205	39.0	226
2005	41.2	174	37.4	192
2004	40.7	183	33.0	202
2003	36.3	256	32.9	282
2002	38.2	182	34.6	201
2001	40.3	168	36.6	185
2000	39.4	174	35.7	191
1999	37.6	168	34.1	185
1998	37.8	139	34.3	153
1997	38.2	185	34.7	204
1996	34.2	262	31.0	289
1995	32.5	236	29.5	260
1994	33.3	163	30.2	179
1993	30.5	193	27.7	213
1992	30.4	194	27.6	214
1991	29.8	189	27.0	209

Source: USDA, WAOB

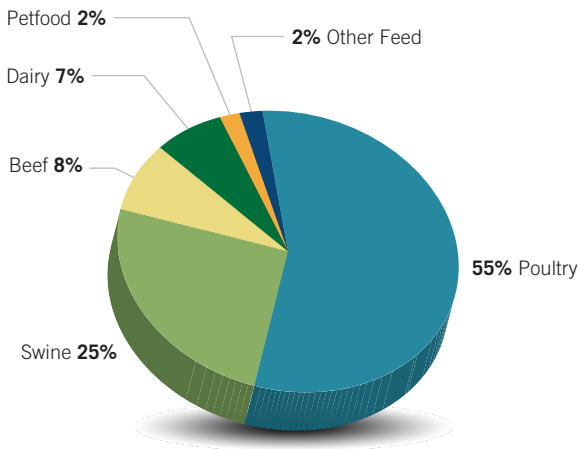
World Protein Meal Consumption 2018



Source	Million Short Tons	Million Metric Tons
Soybeans	259.5	235.4
Rapeseed	43.1	39.1
Sunflower	22.8	20.7
Cottonseed	17.3	15.7
Palm Kernel	11.5	10.4
Peanut	7.5	6.8
Other	7.6	6.9
Total	369.3	335.0

Source: USDA, FAS

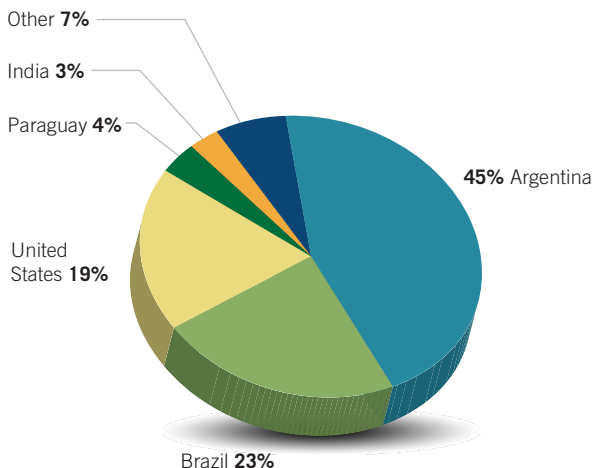
U.S. Soybean Meal Use by Livestock 2018



Use	Million Short Tons	Million Metric Tons
Poultry	19.8	18.0
Swine	9.0	8.2
Beef	2.9	2.7
Dairy	2.5	2.3
Petfood	0.8	0.7
Other Feed	0.8	0.7
Total	35.8	32.6

Source: Based on industry estimates, USB 2008 soymeal market study, USDA, (NASS)

World Soybean Meal Exports 2018



Country	Million Short Tons	Million Metric Tons
Argentina	32.9	29.8
Brazil	16.8	15.2
United States	13.8	12.5
Paraguay	2.8	2.6
India	2.2	2.0
Other	5.3	4.8
Total	73.8	66.9

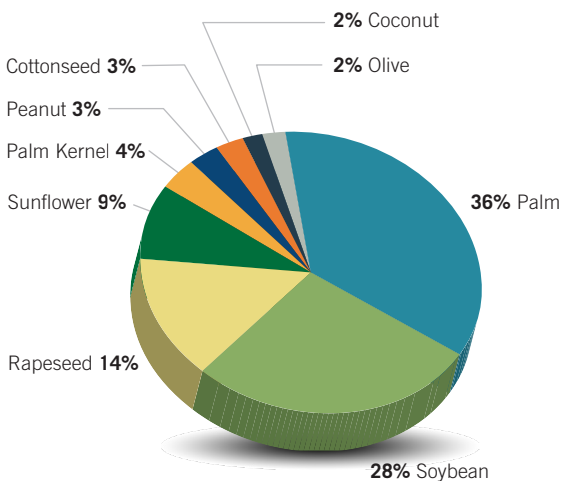
Source: USDA, FAS

U.S. Soybean Oil Production 1991-2018

Year	Billion Pounds	Average \$ Per Pound	Million Metric Tons	Average \$ Per Metric Ton
2018	24.5	0.300	11.1	661
2017	23.8	0.300	10.8	661
2016	22.1	0.325	10.0	716
2015	22.0	0.299	10.0	659
2014	21.4	0.316	9.7	697
2013	20.1	0.382	9.1	842
2012	19.8	0.471	9.0	1,038
2011	19.7	0.519	8.9	1,144
2010	18.9	0.532	8.6	1,173
2009	19.6	0.360	8.9	793
2008	18.7	0.322	8.5	709
2007	20.6	0.520	9.3	1,147
2006	20.5	0.310	9.3	684
2005	20.4	0.234	9.2	516
2004	19.4	0.230	8.8	507
2003	17.1	0.300	7.8	661
2002	18.4	0.220	8.3	485
2001	18.9	0.165	8.6	364
2000	18.4	0.142	8.4	312
1999	17.8	0.156	8.1	344
1998	18.1	0.199	8.2	439
1997	18.1	0.258	8.2	569
1996	15.8	0.225	7.2	496
1995	15.2	0.247	6.9	545
1994	15.6	0.275	7.1	606
1993	14.0	0.270	6.3	595
1992	13.8	0.214	6.2	472
1991	14.3	0.191	6.5	421

Source: USDA, WAOB

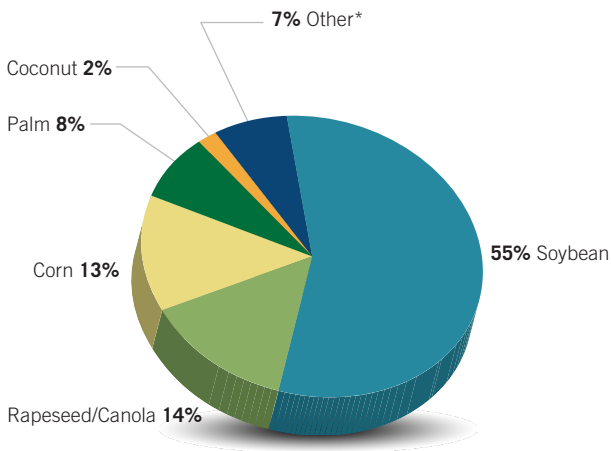
World Vegetable Oil Consumption 2018



Source	Million Short Tons	Million Metric Tons
Palm	77.9	70.7
Soybean	62.1	56.3
Rapeseed	31.0	28.1
Sunflower	19.6	17.8
Palm Kernel	8.9	8.1
Peanut	6.1	5.5
Cottonseed	5.7	5.1
Coconut	3.8	3.4
Olive	3.4	3.1
Total	218.5	198.1

Source: USDA, FAS

U.S. Vegetable Oil Consumption 2018



Feedstock	Million Pounds	Million Metric Tons
Soybean	22,600	10.3
Rapeseed/Canola	5,647	2.6
Corn	5,264	2.4
Palm	3,367	1.5
Coconut	998	0.5
Other*	3,043	1.4
Total	40,919	18.7

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

Source: ERS, USDA

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 300,000 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.

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