

Table 1. Soybean production data for the United States, 2006 crop

Region	State	Yield (MT ha ⁻¹)	Area Harvested (1000 ha)	Production (M MT)
Western Corn Belt (WCB)	Iowa	3.36	4,070	13.7
	Kansas	2.08	1,215	2.5
	Minnesota	2.82	2,936	8.3
	Missouri	2.75	2,086	5.8
	Nebraska	3.43	2,025	6.9
	North Dakota	1.95	1,539	3.0
	South Dakota	2.22	1,580	3.5
	Western Corn Belt	2.7	15,451	44 50.3%
Eastern Corn Belt (ECB)	Illinois	3.43	4,070	14.0
	Indiana	3.43	2,300	7.9
	Michigan	2.69	802	2.2
	Ohio	3.09	1,871	5.8
	Wisconsin	2.89	656	1.9
	Eastern Corn Belt	3.1	9,700	32 36.5%
Midsouth (MDS)	Arkansas	2.42	1,239	3.0
	Kentucky	3.09	551	1.7
	Louisiana	2.15	336	0.7
	Mississippi	1.75	664	1.2
	Oklahoma	1.28	105	0.1
	Tennessee	2.55	458	1.2
	Texas	1.41	81	0.1
	Midsouth	2.1	3,434	8 9.2%
Southeast (SE)	Alabama	1.14	61	0.1
	Florida	n/a	n/a	n/a
	Georgia	1.61	61	0.1
	North Carolina	2.08	547	1.1
	South Carolina	1.88	158	0.3
	Southeast	1.7	826	2 1.8%
East Coast (EC)	Delaware	2.02	72	0.1
	Maryland	2.35	186	0.4
	New Jersey	2.22	35	0.1
	New York	2.82	80	0.2
	Pennsylvania	2.75	178	0.5
	Virginia	2.08	203	0.4
	East Coast	2.4	755	2 2.1%
Other Sts	2.53	9	0.02 0.03%	
USA 2006	2.88	30,175	86.9	
USA 2005	2.89	28,860	83.4	

Source: United States Department of Agriculture (12-Oct-06)

n/a = not available

Table 2. United Soybean Board/American Soybean Association 2006 Soybean Quality Survey

Region	State	Number of Samples	Protein (%)*		Oil	
			Average	Std. dev.	Average	Std. dev.
Western Corn Belt (WCB)	Iowa	233	34.45	1.44	19.06	0.98
	Kansas	31	35.21	2.08	18.56	0.95
	Minnesota	389	33.36	1.24	19.50	0.93
	Missouri	82	35.20	1.98	18.90	0.98
	Nebraska	108	34.75	1.47	18.96	0.96
	North Dakota	79	33.45	1.43	19.60	0.81
	South Dakota	68	33.22	1.54	19.15	0.98
Average*	Western Corn Belt		34.27		19.12	
Ranges	Western Corn Belt		(27.87 - 41.39)		(16.03 - 22.45)	
Eastern Corn Belt (ECB)	Illinois	205	34.59	1.47	19.01	1.03
	Indiana	82	34.91	1.42	18.80	0.83
	Michigan	39	34.72	0.95	19.04	0.64
	Ohio	93	35.07	1.52	19.11	0.93
	Wisconsin	33	33.13	1.64	19.44	0.81
Averages†	Eastern Corn Belt		34.68		19.00	
Ranges	Eastern Corn Belt		(28.06 - 38.80)		(16.02 - 22.15)	
Midsouth (MDS)	Arkansas	40	34.69	1.45	19.99	1.05
	Kentucky	8	34.92	1.85	19.27	0.94
	Louisiana	12	35.89	1.80	20.46	0.92
	Mississippi	22	35.60	1.83	19.64	1.06
	Oklahoma	4	34.22	1.93	19.15	0.58
	Tennessee	20	33.80	1.84	20.64	1.30
	Texas	3	35.59	0.85	19.39	1.25
Averages	Midsouth		34.85		19.90	
Ranges	Midsouth		(30.41 - 39.26)		(17.51 - 22.69)	
Southeast (SE)	Alabama	3	34.99	1.32	19.81	1.17
	Florida	0				
	Georgia	2	36.02	2.50	18.87	0.91
	North Carolina	7	35.14	1.90	20.08	0.76
	South Carolina	2	36.63	0.74	20.76	0.51
Averages	Southeast		35.46		20.12	
Ranges	Southeast		(32.31 - 37.78)		(18.23 - 21.12)	
East Coast (EC)	Delaware	3	35.08	1.19	18.56	0.87
	Maryland	4	35.62	1.20	19.23	1.14
	New Jersey	5	37.03	1.99	18.44	1.22
	New York	3	34.92	0.86	17.74	0.91
	Pennsylvania	8	35.11	0.95	18.64	0.75
	Virginia	5	33.38	1.14	20.45	0.39
Averages	East Coast		34.89		19.08	
Ranges	East Coast		(31.63 - 39.05)		(16.93 - 20.94)	
USA	Averages	1593	34.26		19.23	
	Ranges		(27.87 - 41.39)		(16.02 - 22.69)	
	Average of 2006 Crop†		34.51		19.17	
	US 1986-2006 avg.		35.34		18.67	

Data as of November 3, 2006

* 13% moisture basis

† Regional and US average values weighted based on estimated (Oct 12, 2006) production by state

Table 3. Historical Summary of Yield and Quality Data for US Soybeans.

Year	Yield (kg ha ⁻¹)	Protein* (%)	Oil* (%)	Sum† (%)	Harvested (M ha)	Production (M MT)	Protein Std. Dev.	Oil Std. Dev.
1986	2237	35.76	18.54	54.30	23.62	52.9	1.39	0.7
1987	2278	35.46	19.11	54.57	23.15	52.8	1.59	0.71
1988	1814	35.13	19.27	54.40	23.24	42.2	1.50	0.83
1989	2170	35.18	18.73	53.91	24.11	52.4	1.51	0.82
1990	2291	35.40	19.18	54.58	22.89	52.5	1.22	0.66
1991	2298	35.48	18.66	54.14	23.49	54.0	1.38	0.86
1992	2526	35.56	17.27	52.83	23.58	59.6	1.38	0.97
1993	2190	35.73	18.03	53.76	23.21	50.9	1.24	0.87
1994	2782	35.39	18.20	53.59	24.63	68.6	1.36	0.93
1995	2372	35.45	18.19	53.64	24.93	59.2	1.39	0.86
1996	2526	35.57	17.90	53.47	25.66	64.9	1.25	0.87
1997	2614	34.55	18.47	53.02	27.99	73.2	1.51	0.96
1998	2614	36.13	19.14	55.27	28.53	74.6	1.50	0.81
1999	2452	34.55	18.61	53.16	29.35	72.1	1.88	1.05
2000	2553	36.22	18.65	54.87	29.57	75.6	1.68	0.94
2001	2647	34.98	18.97	53.95	30.01	79.6	1.95	1.07
2002	2486	35.42	19.38	54.80	29.08	72.2	1.58	0.93
2003	2284	35.65	18.66	54.31	29.38	67.2	1.71	1.19
2004	2822	35.06	18.61	53.67	29.97	84.6	1.47	0.9
2005	2889	34.92	19.41	54.33	28.86	83.4	1.46	0.87
2006‡	2876	34.51	19.17	53.67	30.17	86.9	1.64	1.01
Averages (1986-2006)	2463	35.34	18.67	54.01	26.45	65.7	1.50	0.90

Sources: United States Department of Agriculture
Iowa State University
University of Minnesota

*Protein and oil concentrations expressed on a 13% basis moisture

†Sum represents sum of protein and oil concentrations

‡2006 quality estimates are weighted by 2006 production estimates

§2006 production estimates as of October 12, 2006

Table 4. Carbohydrate analysis of a small number of samples from Northern and Southern U.S.*

	Protein %	Oil %	Fiber %	Sucrose mg g ⁻¹	Raffinose mg g ⁻¹	Stachyose mg g ⁻¹	total sugars mg g ⁻¹
Northern states†	36.2	20.8	4.78	57.8	7.63	43.4	108.8
Southern states‡	38.3	21.0	5.05	23.1	7.94	30.3	61.4

* Wet chemistry analysis conducted at the University of Missouri Analytical Laboratories

† Northern states represent 22 samples from Illinois, Indiana, Iowa, Minnesota, Nebraska, N Dakota, Ohio, and S. Dakota

‡ Southern states represent 18 samples from Arkansas, Kansas, Louisiana, Mississippi, Missouri, and Texas

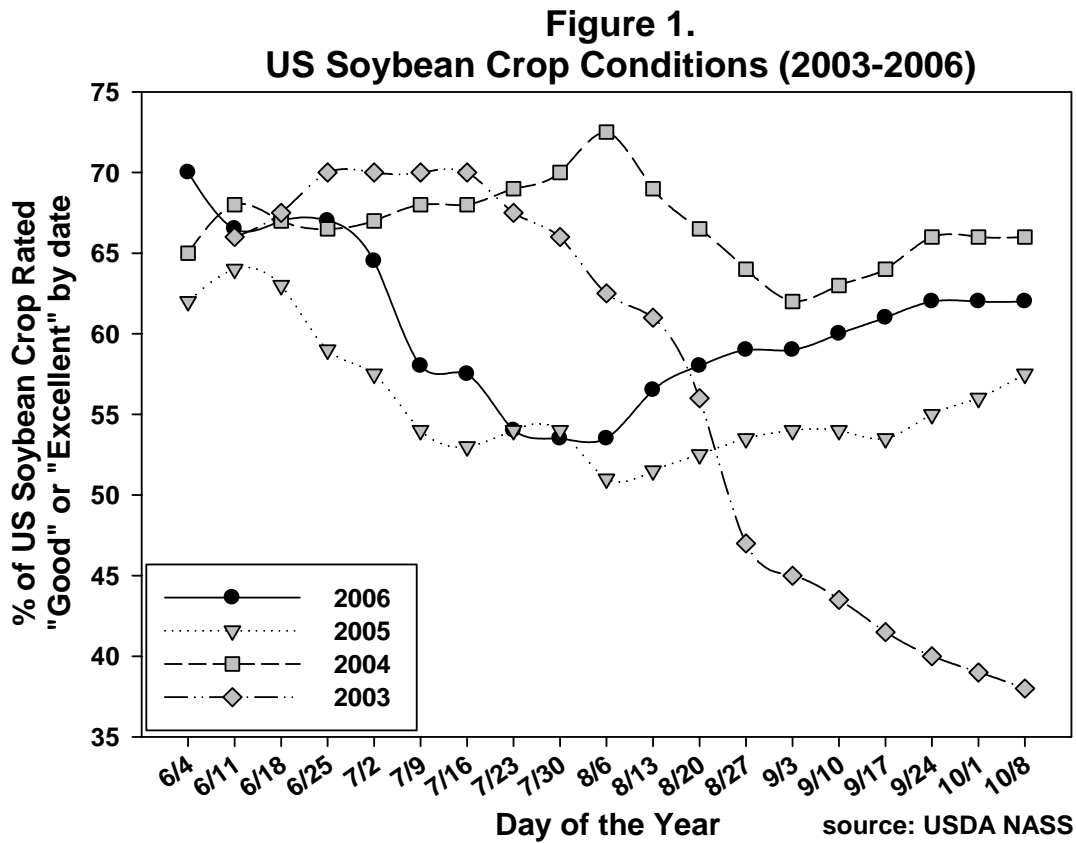


Figure 2. 2006 US Soybean quality by state

