

**CHAPTER VI**  
**STATISTICS OF HAY, SEEDS, AND MINOR FIELD CROPS**

Chapter VI deals with hay, pasture, seeds, and various minor field crops.

**Table 6-1.—Hay, all: Area, yield, production, and value, United States, 1995–2004**

Year	Area harvested	Yield per acre	Production	Marketing year average price per ton received by farmers	Value of production
	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1995 .....	59,764	2.58	154,239	82.20	11,035,838
1996 .....	61,169	2.45	149,779	95.80	12,726,992
1997 .....	61,084	2.50	152,536	100.00	13,249,825
1998 .....	60,006	2.52	151,387	84.60	11,575,791
1999 .....	63,181	2.53	159,582	76.90	11,007,327
2000 .....	60,355	2.54	153,603	84.60	11,556,882
2001 .....	63,516	2.46	156,416	96.50	12,589,493
2002 .....	63,942	2.34	149,467	92.40	12,338,010
2003 .....	63,383	2.49	157,585	85.50	12,006,783
2004 <sup>1</sup> .....	61,916	2.55	157,774	89.70	12,197,354

<sup>1</sup> Preliminary.  
NASS, Crops Branch, (202) 720–2127.

**Table 6-2.—Hay, all: Stocks on farms, United States, 1995–2004**

Crop year	Dec. 1	May 1 <sup>1</sup>
	<i>1,000 tons</i>	<i>1,000 tons</i>
1995 .....	109,438	20,739
1996 .....	105,179	17,424
1997 .....	103,044	21,827
1998 .....	111,809	24,662
1999 .....	109,115	28,848
2000 .....	106,412	21,248
2001 .....	110,384	22,458
2002 .....	102,978	22,013
2003 .....	111,027	25,947
2004 <sup>2</sup> .....	114,294	NA

<sup>1</sup> Following year. <sup>2</sup> Preliminary. NA-not available.  
NASS, Crops Branch, (202) 720–2127.

**Table 6-3.—Hay, alfalfa and alfalfa mixtures: Area, yield, and production, by States, 2002–2004**

State	Area harvested			Yield per harvested acre			Production		
	2002	2003	2004 <sup>1</sup>	2002	2003	2004 <sup>1</sup>	2002	2003	2004 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AZ .....	230	235	240	8.10	8.50	8.20	1,863	1,998	1,968
AR .....	20	20	20	3.00	3.50	3.50	60	70	70
CA .....	1,160	1,090	1,050	6.90	7.00	7.00	8,004	7,630	7,350
CO .....	780	800	770	2.90	3.20	3.30	2,262	2,560	2,541
CT .....	9	8	7	2.40	2.90	2.70	22	23	19
DE .....	6	5	6	3.20	2.70	3.90	19	14	23
ID .....	1,170	1,200	1,180	4.00	3.70	4.00	4,680	4,440	4,720
IL .....	450	425	400	3.60	4.10	4.30	1,620	1,743	1,720
IN .....	300	350	350	3.30	3.80	4.10	990	1,330	1,435
IA .....	1,250	1,330	1,300	3.90	3.70	4.20	4,875	4,921	5,460
KS .....	950	1,000	950	3.70	3.40	4.00	3,515	3,400	3,800
KY .....	320	250	240	2.90	3.50	3.70	928	875	888
ME .....	12	9	10	2.00	2.30	2.00	24	21	20
MD .....	60	45	40	2.90	3.30	3.30	174	149	132
MA .....	16	14	13	2.40	2.40	2.40	38	34	31
MI .....	870	850	850	3.50	3.20	3.20	3,045	2,720	2,720
MN .....	1,400	1,375	1,350	3.30	3.00	3.50	4,620	4,125	4,725
MO .....	400	410	400	3.00	2.95	3.80	1,200	1,210	1,520
MT .....	1,500	1,600	1,400	2.00	2.10	2.30	3,000	3,360	3,220
NE .....	1,350	1,450	1,250	3.00	3.60	3.55	4,050	5,220	4,438
NV .....	275	265	250	4.30	4.40	4.70	1,183	1,166	1,175
NH .....	8	8	7	2.30	2.40	2.10	18	19	15
NJ .....	30	30	30	2.60	3.50	3.70	78	105	111
NM .....	240	230	240	5.30	4.90	4.90	1,272	1,127	1,176
NY .....	610	600	470	2.50	2.80	2.80	1,525	1,680	1,316
NC .....	20	18	12	2.00	3.00	2.20	40	54	26
ND .....	1,450	1,600	1,300	1.30	1.65	1.50	1,885	2,640	1,950
OH .....	620	580	470	3.00	3.40	3.20	1,860	1,972	1,504
OK .....	350	310	360	3.50	3.40	4.00	1,225	1,054	1,440
OR .....	495	480	480	4.30	4.60	4.30	2,129	2,208	2,064
PA .....	680	550	540	2.60	3.00	2.80	1,768	1,650	1,512
RI .....	2	2	2	2.20	2.50	2.30	4	5	5
SD .....	2,250	2,700	2,250	1.50	1.90	2.10	3,375	5,130	4,725
TN .....	30	30	35	3.50	4.20	3.80	105	126	133
TX .....	150	140	150	4.60	4.70	5.70	690	658	855
UT .....	565	545	560	3.60	4.00	3.80	2,034	2,180	2,128
VT .....	45	40	40	2.00	2.00	2.00	90	80	80
VA .....	140	130	110	2.50	3.50	4.00	350	455	440
WA .....	510	510	480	4.90	5.30	5.00	2,499	2,703	2,400
WV .....	50	45	45	2.50	2.50	2.40	125	113	108
WI .....	1,650	1,600	1,600	2.80	2.30	2.60	4,620	3,680	4,160
WY .....	500	650	450	2.30	2.50	2.80	1,150	1,625	1,260
US .....	22,923	23,529	21,707	3.19	3.24	3.47	73,014	76,273	75,383

<sup>1</sup> Preliminary.

NASS, Crops Branch, (202) 720-2127.

**Table 6-4.—Hay, all other: Area, yield, and production, by States, 2002–2004**

State	Area harvested			Yield per harvested acre			Production		
	2002	2003	2004 <sup>1</sup>	2002	2003	2004 <sup>1</sup>	2002	2003	2004 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AL .....	825	780	850	2.20	2.60	2.70	1,815	2,028	2,295
AZ .....	45	40	35	3.80	4.10	4.30	171	164	151
AR .....	1,410	1,320	1,400	2.30	2.20	2.50	3,243	2,904	3,500
CA .....	590	530	500	3.00	3.50	3.30	1,770	1,855	1,650
CO .....	550	700	750	1.30	1.50	1.50	715	1,050	1,125
CT .....	53	55	59	1.90	2.10	2.10	101	116	124
DE .....	9	8	8	2.30	3.00	2.30	21	24	18
FL .....	280	255	260	2.80	2.50	2.50	784	638	650
GA .....	650	600	600	2.40	3.00	2.70	1,560	1,800	1,620
ID .....	320	300	300	1.90	1.70	2.10	608	510	630
IL .....	325	350	350	2.10	2.80	2.40	683	980	840
IN .....	300	300	310	2.10	2.60	2.80	630	780	868
IA .....	350	270	300	2.20	2.20	2.60	770	594	780
KS .....	2,300	2,250	2,400	1.50	1.60	1.70	3,450	3,600	4,080
KY .....	2,100	2,200	2,100	2.00	2.50	2.40	4,200	5,500	5,040
LA .....	420	380	370	2.50	2.90	3.00	1,050	1,102	1,110
ME .....	145	135	145	1.70	1.80	1.90	247	243	276
MD .....	160	150	175	2.20	2.60	2.50	352	390	438
MA .....	70	65	75	1.90	1.80	2.00	133	117	150
MI .....	230	200	250	2.20	2.00	2.20	506	400	550
MN .....	700	700	650	1.70	1.60	1.80	1,190	1,120	1,170
MS .....	750	750	720	2.50	2.50	2.30	1,875	1,875	1,656
MO .....	3,850	3,840	3,950	1.85	1.80	2.00	7,123	6,912	7,900
MT .....	1,100	850	1,100	1.40	1.50	1.40	1,540	1,275	1,540
NE .....	1,700	1,700	1,550	1.00	1.40	1.10	1,700	2,380	1,705
NV .....	210	175	170	1.60	1.50	1.80	336	263	306
NH .....	46	44	50	1.80	2.00	1.80	83	88	90
NJ .....	90	90	90	1.60	1.80	1.90	144	162	171
NM .....	120	70	90	1.90	2.20	2.10	228	154	189
NY .....	1,100	1,250	800	1.90	1.60	2.00	2,090	2,000	1,600
NC .....	730	760	700	1.80	2.60	2.50	1,314	1,976	1,750
ND .....	1,850	1,350	1,430	1.10	1.45	1.20	2,035	1,958	1,716
OH .....	700	770	720	2.20	2.60	2.40	1,540	2,002	1,728
OK .....	2,800	2,500	2,700	1.70	1.70	1.70	4,760	4,250	4,590
OR .....	620	620	650	2.20	2.20	2.40	1,364	1,364	1,560
PA .....	1,050	1,100	1,160	1.60	2.20	2.40	1,680	2,420	2,784
RI .....	6	7	7	2.20	2.00	2.20	13	14	15
SC .....	340	340	330	1.90	2.60	2.40	646	884	792
SD .....	1,600	1,600	1,650	0.90	1.30	1.30	1,440	2,080	2,145
TN .....	1,950	2,000	1,900	2.10	2.30	2.50	4,095	4,600	4,750
TX .....	5,300	5,100	5,200	2.40	2.30	2.20	12,720	11,730	11,440
UT .....	150	155	155	1.80	2.00	2.20	270	310	341
VT .....	195	195	190	2.00	2.00	1.60	390	390	304
VA .....	1,250	1,150	1,180	1.70	2.60	2.40	2,125	2,990	2,832
WA .....	310	300	310	2.70	3.00	3.20	837	900	992
WV .....	520	500	530	1.80	1.90	1.80	936	950	954
WI .....	400	500	450	1.80	1.40	1.60	720	700	720
WY .....	450	550	540	1.00	1.40	1.40	450	770	756
US .....	41,019	39,854	40,209	1.86	2.04	2.05	76,453	81,312	82,391

<sup>1</sup> Preliminary.  
 NASS, Crops Branch, (202) 720-2127.

Table 6-5.—Hay, all: Area, yield, and production, by States, 2002–2004

State	Area harvested			Yield per harvested acre			Production		
	2002	2003	2004 <sup>1</sup>	2002	2003	2004 <sup>1</sup>	2002	2003	2004 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AL .....	825	780	850	2.20	2.60	2.70	1,815	2,028	2,295
AZ .....	275	275	275	7.40	7.86	7.71	2,034	2,162	2,119
AR .....	1,430	1,340	1,420	2.31	2.22	2.51	3,303	2,974	3,570
CA .....	1,750	1,620	1,550	5.59	5.85	5.81	9,774	9,485	9,000
CO .....	1,330	1,500	1,520	2.24	2.41	2.41	2,977	3,610	3,666
CT .....	62	63	66	1.98	2.21	2.17	123	139	143
DE .....	15	13	14	2.67	2.92	2.93	40	38	41
FL .....	280	255	260	2.80	2.50	2.50	784	638	650
GA .....	650	600	600	2.40	3.00	2.70	1,560	1,800	1,620
ID .....	1,490	1,500	1,480	3.55	3.30	3.61	5,288	4,950	5,350
IL .....	775	775	750	2.97	3.51	3.41	2,303	2,723	2,560
IA .....	600	650	660	2.70	3.25	3.49	1,620	2,110	2,303
IN .....	1,600	1,600	1,600	3.53	3.45	3.90	5,645	5,515	6,240
KS .....	3,250	3,250	3,350	2.14	2.15	2.35	6,965	7,000	7,880
KY .....	2,420	2,450	2,340	2.12	2.60	2.53	5,128	6,375	5,928
LA .....	420	380	370	2.50	2.90	3.00	1,050	1,102	1,110
ME .....	157	144	155	1.73	1.83	1.91	271	264	296
MD .....	220	195	215	2.39	2.76	2.65	526	539	570
MA .....	86	79	88	1.99	1.91	2.06	171	151	181
MI .....	1,100	1,050	1,100	3.23	2.97	2.97	3,551	3,120	3,270
MN .....	2,100	2,075	2,000	2.77	2.53	2.95	5,810	5,245	5,895
MS .....	750	750	720	2.50	2.50	2.30	1,875	1,875	1,656
MO .....	4,250	4,250	4,350	1.96	1.91	2.17	8,323	8,122	9,420
MT .....	2,600	2,450	2,500	1.75	1.89	1.90	4,540	4,635	4,760
NE .....	3,050	3,150	2,800	1.89	2.41	2.19	5,750	7,600	6,143
NV .....	485	440	420	3.13	3.25	3.53	1,519	1,429	1,481
NH .....	54	52	57	1.87	2.06	1.84	101	107	105
NJ .....	120	120	120	1.85	2.23	2.35	222	267	282
NM .....	360	300	330	4.17	4.27	4.14	1,500	1,281	1,365
NY .....	1,710	1,850	1,270	2.11	1.99	2.30	3,615	3,680	2,916
NC .....	750	778	712	1.81	2.61	2.49	1,354	2,030	1,776
ND .....	3,300	2,950	2,730	1.19	1.56	1.34	3,920	4,598	3,666
OH .....	1,320	1,350	1,190	2.58	2.94	2.72	3,400	3,974	3,232
OK .....	3,150	2,810	3,060	1.90	1.89	1.97	5,985	5,304	6,030
OR .....	1,115	1,100	1,130	3.13	3.25	3.21	3,493	3,572	3,624
PA .....	1,730	1,650	1,700	1.99	2.47	2.53	3,448	4,070	4,296
RI .....	8	9	9	2.13	2.11	2.22	17	19	20
SC .....	340	340	330	1.90	2.60	2.40	646	884	792
SD .....	3,850	4,300	3,900	1.25	1.68	1.76	4,815	7,210	6,870
TN .....	1,980	2,030	1,935	2.12	2.33	2.52	4,200	4,726	4,883
TX .....	5,450	5,240	5,350	2.46	2.36	2.30	13,410	12,388	12,295
UT .....	715	700	715	3.22	3.56	3.45	2,304	2,490	2,469
VT .....	240	235	230	2.00	2.00	1.67	480	470	384
VA .....	1,390	1,280	1,290	1.78	2.69	2.54	2,475	3,445	3,272
WA .....	820	810	790	4.07	4.45	4.29	3,336	3,603	3,392
WV .....	570	545	575	1.86	1.95	1.85	1,061	1,063	1,062
WI .....	2,050	2,100	2,050	2.60	2.09	2.38	5,340	4,380	4,880
WY .....	950	1,200	990	1.68	2.00	2.04	1,600	2,395	2,016
US .....	63,942	63,383	61,916	2.34	2.49	2.55	149,467	157,585	157,774

<sup>1</sup> Preliminary.

NASS, Crops Branch, (202) 720-2127.

**Table 6-6.—Hay, all: Marketing year average price and value of production, by States, crop of 2002, 2003, and 2004**

State	Marketing year average price per ton, baled			Value of production		
	2002	2003	2004	2002	2003	2004
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL .....	57.00	58.00	51.00	103,455	117,624	117,045
AZ .....	99.50	89.00	98.50	202,289	192,843	208,269
AR .....	60.00	55.50	53.00	179,679	148,632	166,180
CA .....	95.50	90.50	113.00	925,107	852,425	1,010,175
CO .....	116.00	86.00	84.50	355,108	318,630	292,485
CT .....	143.00	145.00	154.00	17,454	20,150	22,048
DE .....	158.00	158.00	131.00	6,291	5,940	5,305
FL .....	97.00	90.00	90.00	76,048	57,420	58,500
GA .....	57.00	62.00	55.00	88,920	111,600	89,100
ID .....	95.00	87.50	107.00	496,612	426,855	556,690
IL .....	89.50	87.00	85.50	203,076	229,828	216,180
IN .....	131.00	105.00	92.00	194,760	207,780	198,786
IA .....	82.00	79.50	84.00	459,420	438,865	515,580
KS .....	87.50	68.50	64.50	591,080	459,900	491,600
KY .....	68.50	73.00	68.50	342,456	437,375	387,048
LA .....	45.00	51.00	55.00	47,250	56,202	61,050
ME .....	109.00	110.00	118.00	29,566	28,803	34,860
MD .....	156.00	139.00	131.00	82,044	75,232	75,630
MA .....	147.00	147.00	151.00	25,042	22,330	27,273
MI .....	84.50	93.00	93.50	297,801	295,240	302,890
MN .....	67.50	66.50	67.00	403,690	353,355	409,320
MS .....	41.50	42.00	46.00	77,813	78,750	76,176
MO .....	67.50	64.00	59.00	517,842	487,684	510,690
MT .....	82.50	73.50	76.50	369,730	339,338	362,110
NE .....	85.00	54.00	51.00	481,425	407,290	309,883
NV .....	102.00	93.00	101.00	155,771	135,882	152,690
NH .....	139.00	140.00	149.00	14,099	15,110	15,645
NJ .....	110.00	125.00	120.00	24,450	33,855	37,725
NM .....	140.00	142.00	120.00	208,572	180,460	163,926
NY .....	106.00	113.00	113.00	378,075	417,760	326,924
NC .....	81.50	61.50	61.00	110,120	124,500	108,120
ND .....	64.50	52.50	58.50	231,665	233,398	202,761
OH .....	113.00	121.00	98.00	386,610	424,989	286,080
OK .....	79.50	67.00	74.50	381,850	319,549	380,070
OR .....	100.00	88.50	108.00	348,019	313,262	381,708
PA .....	134.00	137.00	127.00	471,928	555,060	535,104
RI .....	143.00	145.00	156.00	2,491	2,835	3,110
SC .....	70.00	65.00	63.00	45,220	57,460	49,896
SD .....	78.00	60.50	63.50	363,870	423,515	421,245
TN .....	56.00	55.00	53.00	237,405	262,260	260,699
TX .....	77.00	74.00	74.00	906,240	844,213	833,580
UT .....	94.50	81.50	87.50	212,211	199,840	213,480
VT .....	112.00	111.00	118.00	53,550	52,150	45,184
VA .....	97.50	88.50	88.00	240,663	304,655	288,488
WA .....	111.00	93.50	108.00	375,366	343,610	371,040
WV .....	63.50	57.50	56.50	67,477	61,039	59,994
WI .....	70.00	79.00	84.00	373,050	345,080	408,600
WY .....	110.00	79.00	74.00	175,350	186,210	146,412
US .....	92.40	85.50	89.70	12,338,010	12,006,783	12,197,354

NASS, Crops Branch, (202) 720-2127.

**Table 6-7.—Hay: Area and production, by kinds, United States, 1995–2004**

Year	Area harvested			Production		
	Alfalfa	All other hay	All hay	Alfalfa	All other hay	All hay
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>
1995 .....	24,404	35,360	59,764	84,138	70,101	154,239
1996 .....	24,206	36,963	61,169	79,139	70,640	149,779
1997 .....	23,551	37,533	61,084	78,535	74,001	152,536
1998 .....	23,592	36,414	60,006	81,992	69,395	151,387
1999 .....	24,066	39,115	63,181	84,405	75,177	159,582
2000 .....	23,463	36,892	60,355	81,520	72,083	153,603
2001 .....	23,952	39,564	63,516	80,354	76,062	156,416
2002 .....	22,923	41,019	63,942	73,014	76,453	149,467
2003 .....	23,529	39,854	63,383	76,273	81,312	157,585
2004 <sup>1</sup> .....	21,707	40,209	61,916	75,383	82,391	157,774

<sup>1</sup> Preliminary.

NASS, Crops Branch, (202) 720-2127.

**Table 6-8.—Hay: Supply and disappearance, prices, and number of animal units fed annually, United States, 1995–2004<sup>1</sup>**

Year beginning May	Farm carryover May 1	Production	Total supply	Disappearance	Roughage-consuming animal units	Supply per animal unit	Disappearance per animal unit	Price received per ton
	Million tons	Million tons	Million tons	Million tons	Million units	Tons	Tons	Dollars
1995 .....	20.8	154.2	175.0	154.3	78.1	2.24	1.97	82.2
1996 .....	20.7	149.8	170.5	153.1	76.4	2.23	2.00	95.8
1997 .....	17.4	152.5	170.0	148.1	74.9	2.27	1.98	100.0
1998 .....	21.8	151.4	173.2	148.6	74.5	2.33	1.99	84.6
1999 .....	24.7	159.6	184.2	155.4	73.2	2.52	2.12	76.9
2000 .....	28.8	153.6	182.5	161.3	72.4	2.52	2.23	84.6
2001 .....	21.1	156.4	177.6	155.1	72.1	2.46	2.15	96.5
2002 .....	22.5	149.5	171.9	149.9	72.0	2.39	2.08	92.4
2003 .....	22.0	156.6	178.6	152.7	70.7	2.52	2.16	85.5
2004 <sup>2</sup> .....	25.9	157.8	183.7	NA	70.8	2.60	NA	NA

<sup>1</sup> Excludes trade. <sup>2</sup> Preliminary. NA—not available.  
ERS, Market and Trade Economics Division, (202) 694-5296.

**Table 6-9.—Field seeds: Average retail price paid by farmers for seed, Apr. 15, United States, 1995–2004**

Kind of seed	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
	Price per 100 pounds									
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Alfalfa, uncertified varieties .....	168.00	185.00	185.00	205.00	184.00	165.00	158.00	157.00	178.00	163.00
Alfalfa, certified varieties .....	274.00	277.00	282.00	288.00	287.00	277.00	278.00	280.00	286.00	291.00
Clover, ladino .....	320.00	318.00	307.00	308.00	298.00	285.00	285.00	280.00	305.00	291.00
Clover, red .....	134.00	172.00	184.00	194.00	178.00	143.00	132.00	130.00	144.00	145.00
Lespedeza, Korean .....	66.00	99.00	90.00	89.00	76.15	77.50	160.00	98.00	102.00	81.50
Lespedeza, Striate, Kobe .....	95.60	125.00	112.00	108.00	96.00	90.00	180.00	104.00	108.00	93.60
Lespedeza, Sericea .....	178.00	291.00	220.00	290.00	294.00	310.00	330.00	300.00	281.00	230.00
Timothy .....	71.00	76.00	73.00	71.20	78.80	115.00	105.00	90.00	107.00	110.00
Orchardgrass .....	148.00	141.00	119.00	116.00	107.00	108.00	135.00	143.00	147.00	140.00
Blue Grass, Kentucky: Public and common Proprietary, including Merion .....	159.00	172.00	153.00	152.00	129.00	158.00	140.00	155.00	159.00	180.00
Ryegrass, annual .....	228.00	243.00	224.00	216.00	204.00	214.00	220.00	225.00	228.00	217.00
Tall fescue .....	67.60	58.80	57.90	65.30	64.20	60.50	55.50	58.00	51.30	52.60
Sudangrass .....	88.10	109.00	148.00	101	99.50	91.00	114.00	106.00	92.60	93.70
Potatoes .....	51.80	51.90	51.40	53.70	52.20	53.00	53.00	56.00	55.30	55.60
Peanuts .....	7.90	10.30	7.60	9.10	8.50	10.45	8.50	10.90	10.80	9.69
Sunflower .....	79.50	82.00	81.75	83.60	80.90	81.70	82.60	82.10	55.90	56.90
Cottonseed, all .....	297.00	313.00	355.00	380.00	400.00	395.00	407.00	407.00	417.00	425.00
Biotech <sup>1</sup> .....	68.20	73.00	74.90	79.30	82.40	128.00	154.00	213.00	218.00	270.00
Non-biotech .....	.....	.....	.....	.....	.....	.....	217.00	271.00	293.00	340.00
Grain sorghum, hybrid ..	.....	.....	.....	.....	.....	.....	87.00	94.00	107.00	108.00
.....	78.70	84.00	92.00	96.00	97.60	93.00	93.00	96.00	100.00	105.00
	Price per bushel									
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Corn, hybrid, all <sup>2</sup> .....	77.10	77.70	83.50	86.90	88.10	87.50	92.20	92.00	102.00	105.00
Biotech <sup>1</sup> .....	.....	.....	.....	.....	.....	.....	110.00	113.00	115.00	122.00
Non-biotech .....	.....	.....	.....	.....	.....	.....	85.30	85.80	90.90	91.10
Wheat (spring) .....	7.12	8.10	7.30	6.85	6.10	6.10	6.20	6.50	8.77	7.00
Wheat (winter) .....	7.80	8.50	10.00	8.25	7.35	7.05	7.20	7.70	8.01	8.26
Oats (spring) .....	4.51	5.19	5.32	5.02	4.60	4.50	4.70	5.35	7.05	5.88
Rice .....	15.10	17.50	19.00	19.50	19.10	17.25	15.70	14.90	14.90	19.60
Barley (spring) .....	5.37	6.49	6.13	6.04	5.80	5.80	5.80	5.80	6.90	6.39
Soybeans for seed, all ..	13.40	14.80	16.10	17.15	17.00	17.10	20.70	22.50	24.20	24.10
Biotech <sup>1</sup> .....	.....	.....	.....	.....	.....	.....	23.90	27.00	28.80	30.50
Non-biotech .....	.....	.....	.....	.....	.....	.....	17.90	15.00	19.60	17.40
Flaxseed .....	8.00	8.14	9.31	10.00	8.50	7.90	7.60	7.60	9.96	9.60

<sup>1</sup> Biotech varieties are made to be resistant to herbicides, insects, or both. A technology fee is included within the price. <sup>2</sup> Price per 80,000 kernels.

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

**Table 6-10.—Beans, dry edible (cleaned basis): Production, by classes, United States, 2002–2004<sup>1</sup>**

Class	2002	2003	2004
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
Navy (pea beans) .....	5,389	2,514	2,142
Great northern .....	1,558	2,216	951
Small white .....	68	55	66
Pinto .....	13,188	10,453	7,814
Red kidney, light .....	1,207	1,095	810
Red kidney, dark .....	1,136	845	682
Pink .....	596	612	520
Small red .....	592	581	601
Cranberry .....	359	190	180
Black .....	3,120	1,263	1,870
Large lima (CA) .....	334	369	297
Baby lima (CA) .....	501	325	257
Blackeye .....	543	785	394
Small chickpeas (Garbanzo) <sup>2</sup> .....		60	76
Large chickpeas (Garbanzo) <sup>2</sup> .....		357	517
Chickpeas, all (Garbanzo) .....	861	417	593
Other .....	860	772	622
<b>Total .....</b>	<b>30,312</b>	<b>22,492</b>	<b>17,799</b>

<sup>1</sup> Excludes beans grown for garden seed. <sup>2</sup> Estimates began in 2003.  
NASS, Crops Branch, (202) 720-2127.

**Table 6-11.—Beans, dry edible: Area, yield, and production, by States, 2002–2004<sup>1</sup>**

State	Area planted			Area harvested			Yield per acre (cleaned basis)			Production (cleaned basis)		
	2002	2003	2004	2002	2003	2004	2002	2003	2004	2002	2003	2004
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
CA .....	92.0	77.0	60.0	89.0	75.0	57.0	1,980	1,840	2,040	1,762	1,380	1,163
CO .....	92.0	80.0	75.0	70.0	73.0	67.0	2,170	1,600	1,550	1,519	1,168	1,039
ID .....	95.0	75.0	80.0	93.0	73.0	78.0	2,050	2,050	2,100	1,907	1,497	1,638
KS .....	21.0	12.0	9.0	17.5	11.0	8.5	1,600	2,100	1,800	280	231	153
MI .....	270.0	170.0	190.0	265.0	165.0	185.0	1,850	1,500	1,700	4,903	2,475	3,145
MN .....	170.0	115.0	115.0	155.0	110.0	100.0	1,720	1,700	1,150	2,666	1,870	1,150
MT .....	26.9	13.0	13.0	23.0	12.8	12.7	1,600	1,820	2,240	367	233	285
NE .....	185.0	155.0	120.0	165.0	148.0	110.0	2,100	2,130	2,160	3,465	3,151	2,376
NM .....	8.5	10.0	6.0	8.5	10.0	6.0	1,800	1,860	2,600	153	186	156
NY .....	25.0	25.0	24.0	24.5	24.0	23.5	1,360	1,860	1,050	333	446	247
ND .....	790.0	540.0	560.0	690.0	520.0	475.0	1,540	1,500	1,000	10,626	7,800	4,750
OR .....	9.8	7.0	8.0	8.5	6.0	7.5	1,720	1,650	1,550	146	99	116
SD .....	21.0	8.0	9.0	16.0	7.5	8.9	1,630	1,770	1,840	261	133	164
TX .....	37.5	50.0	20.0	32.5	44.0	17.5	970	1,170	800	315	513	140
UT .....	1.8	5.6	5.3	0.3	5.2	4.8	1,670	310	300	5	16	14
WA .....	44.5	27.5	30.0	44.5	27.5	29.0	1,870	1,910	2,100	830	525	609
WI .....	7.7	6.0	5.0	7.6	5.9	4.9	1,970	2,100	2,310	150	124	113
WY .....	32.0	30.0	25.0	29.0	29.0	24.0	2,150	2,220	2,250	624	645	541
<b>US .....</b>	<b>1,929.7</b>	<b>1,406.1</b>	<b>1,354.3</b>	<b>1,738.9</b>	<b>1,346.9</b>	<b>1,219.3</b>	<b>1,743</b>	<b>1,670</b>	<b>1,460</b>	<b>30,312</b>	<b>22,492</b>	<b>17,799</b>

<sup>1</sup> Excludes beans grown for garden seed.  
NASS, Crops Branch, (202) 720-2127.

**Table 6-12.—Beans, dry edible: Area, yield, production, price, and value, United States, 1995–2004<sup>1</sup>**

Year	Area planted	Area harvested	Yield per acre <sup>2</sup>	Production <sup>2</sup>	Marketing year average price per 100 pounds received by farmers	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1995 .....	2,066.3	1,896.3	1,618	30,689	20.80	633,620
1996 .....	1,839.0	1,750.7	1,594	27,912	23.50	652,240
1997 .....	1,869.8	1,758.8	1,670	29,370	19.30	576,658
1998 .....	2,014.1	1,917.7	1,586	30,418	19.00	567,243
1999 .....	2,027.5	1,881.0	1,762	33,146	16.40	548,784
2000 .....	1,767.7	1,616.5	1,642	26,543	15.50	416,462
2001 .....	1,437.4	1,250.0	1,569	19,610	22.10	427,055
2002 .....	1,929.7	1,738.9	1,743	30,312	17.10	519,341
2003 .....	1,406.1	1,346.9	1,670	22,492	18.40	422,793
2004 .....	1,354.3	1,219.3	1,460	17,799	24.80	444,795

<sup>1</sup> Excludes beans grown for garden seed. <sup>2</sup> Cleaned basis.  
NASS, Crops Branch, (202) 720-2127.

**Table 6-13.—Beans, dry edible (cleaned basis): Marketing year average price and value of production, by States, crop of 2002, 2003, and 2004<sup>1</sup>**

State	Marketing year average price per cwt.			Value of production		
	2002	2003	2004	2002	2003	2004
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
CA .....	33.30	35.30	37.80	58,675	48,714	43,961
CO .....	17.70	18.20	27.20	26,886	21,258	28,261
ID .....	18.60	19.20	23.50	35,470	28,742	38,493
KS .....	17.00	17.60	29.60	4,760	4,066	4,529
MI .....	15.30	19.30	22.80	75,016	47,768	71,706
MN .....	16.00	18.60	23.20	42,656	34,782	26,680
MT .....	15.20	18.20	26.30	5,578	4,241	7,496
NE .....	18.60	17.30	22.80	64,449	54,512	54,173
NM .....	15.00	16.00	28.00	2,295	2,976	4,368
NY .....	22.20	22.60	28.30	7,393	10,080	6,990
ND .....	14.30	16.10	24.50	151,952	125,580	116,375
OR .....	18.40	19.10	26.70	2,686	1,891	3,097
SD .....	17.40	15.80	21.90	4,541	2,101	3,592
TX .....	20.00	20.00	22.00	6,300	10,260	3,080
UT .....	18.50	18.00	28.00	93	288	392
WA .....	19.90	21.00	24.00	16,517	11,025	14,616
WI .....	17.70	26.50	33.50	2,655	3,286	3,786
WY .....	18.30	17.40	24.40	11,419	11,223	13,200
US .....	17.10	18.40	24.80	519,341	422,793	444,795

<sup>1</sup> Excludes beans grown for garden seed.  
NASS, Crops Branch, (202) 720-2127.

**Table 6-14.—Beans, dry edible: Season average wholesale price per 100 pounds, selected markets, 1994–2003**

Year beginning September	F.o.b. California points			F.o.b. Northern Colorado points: Pinto	F.o.b. Western Nebraska points: Great northern	F.o.b. Southern Idaho points: Small red	F.o.b. Michigan points:		
	Baby lima	Large lima	Blackeye				Pea bean (Navy)	Black	Light red kidney
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1994 .....	33.81	44.67	40.18	21.32	37.18	28.19	31.63	32.60	28.77
1995 .....	39.66	49.97	29.36	25.74	38.55	28.87	23.88	22.86	29.02
1996 .....	45.58	57.09	32.57	27.56	26.61	39.31	23.11	27.08	37.76
1997 .....	27.51	39.81	31.00	26.48	27.07	28.16	20.82	33.19	28.44
1998 .....	41.27	46.80	37.52	20.89	25.84	27.54	26.33	28.56	32.40
1999 .....	28.57	35.90	23.40	19.75	24.25	21.92	19.16	18.37	26.79
2000 .....	26.26	34.56	25.95	21.02	23.20	24.33	16.43	18.33	25.32
2001 .....	33.73	41.65	29.93	31.39	23.52	33.36	25.65	37.44	34.04
2002 .....	32.28	42.33	34.48	22.87	26.47	28.81	18.00	19.24	29.68
2003 <sup>1</sup> .....	32.34	42.38	30.11	22.19	22.19	28.53	23.53	24.73	29.69

<sup>1</sup> Preliminary.

ERS, Specialty Crops Branch, (202) 694-5253. Compiled from the Bean Market Summary, Agricultural Marketing Service, U.S. Department of Agriculture, Greeley, Colorado.

**Table 6-15.—Beans, dry edible: United States exports by class and quantity, 1994/95–2003/2004**

Year <sup>1</sup>	Navy or pea	Great northern	Other white	Pinto	Red kidney	Other <sup>2</sup>	Total
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1994/95 ....	95,426	36,484	7,438	144,344	38,166	95,316	417,174
1995/96 ....	86,464	28,291	1,126	82,062	32,380	98,920	329,244
1996/97 ....	95,279	40,773	551	74,960	35,335	107,092	353,992
1997/98 ....	107,669	50,201	1,338	96,256	33,605	150,203	439,271
1998/99 ....	90,679	42,011	1,561	94,991	27,680	117,212	374,135
1999/2000	67,222	38,204	1,388	64,337	28,662	127,581	327,394
2000/2001	89,997	50,742	1,565	93,037	31,939	103,492	370,771
2001/2002	63,088	48,179	882	71,198	20,163	77,124	280,634
2002/2003	66,361	24,210	11,746	56,908	33,067	90,521	282,813
2003/2004	54,976	19,347	1,687	90,787	11,286	92,109	270,192

<sup>1</sup> Year beginning September 1. <sup>2</sup> Includes other colored, black, blackeye, and limas.  
 FAS, Grain and Feed Division, (202) 720-8398. Compiled from reports of the U.S. Department of Commerce.

**Table 6-16.—Beans, dry edible: United States exports to specified countries, 2001/2002–2003/2004<sup>1 2</sup>**

Country	2001/2002	2002/2003	2003/2004
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Canada .....	13	23	11
Haiti .....	15	16	20
Italy .....	6	8	3
Other .....	68	36	85
<b>Total .....</b>	<b>280</b>	<b>282</b>	<b>266</b>

<sup>1</sup> Year beginning September 1. <sup>2</sup> Excluding seed bean exports. Compiled from U.S. Census data.  
 FAS, Grain and Feed Division, (202) 720-8398.

**Table 6-17.—Peas, dry field: United States exports to specified countries, 2001/2002–2003/2004<sup>1 2 3</sup>**

Country	2001/2002	2002/2003	2003/2004
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Canada .....	21	36	17
Philippines .....	19	13	15
Kenya .....	2	8	7
Korea, Republic of .....	4	4	4
Spain .....	6	2	0
Uganda .....	3	3	2
Sudan .....	0	3	5
Peru .....	2	2	2
Burundi .....	0	2	4
India .....	3	2	1
Algeria .....	0	0	0
Korea, Democratic People's Republic .....	0	2	2
Angola .....	1	2	6
Japan .....	1	2	1
Somalia .....	0	1	1
Mauritania .....	0	1	1
Belgium-Luxembourg .....	0	1	0
South Africa, Republic of .....	2	1	0
Taiwan .....	2	1	2
Mexico .....	1	1	2
Other .....	20	0	15
<b>Total .....</b>	<b>87</b>	<b>102</b>	<b>128</b>

<sup>1</sup> Year beginning September 1. <sup>2</sup> Excluding seed pea and chickpea exports. <sup>3</sup> Regional totals include countries not listed.

FAS, Grain and Feed Division, (202) 720-8398.

**Table 6-18.—Hops: Area, yield, production, price, value, and Sept. 1 stocks, United States, 1995–2004**

Year	Area harvested	Yield per acre	Production	Marketing year average price per pound received by farmers	Value of production	Stocks Sept. 1
	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>
1995 .....	43.2	1,826	78,852	171.0	135,087	55,900
1996 .....	44.2	1,698	74,971	165.0	123,530	58,700
1997 .....	43.3	1,729	74,872	160.0	119,840	62,000
1998 .....	36.6	1,625	59,548	169.0	100,728	55,000
1999 .....	34.3	1,881	64,456	169.0	109,099	54,000
2000 .....	36.1	1,871	67,577	187.0	126,217	48,000
2001 .....	35.9	1,861	66,832	185.0	123,843	54,000
2002 .....	29.3	1,990	58,337	191.0	111,546	65,000
2003 .....	28.7	1,903	54,565	186.0	101,637	69,000
2004 <sup>1</sup> .....	27.7	1,990	55,204	190.0	104,798	61,000

<sup>1</sup> Preliminary.  
NASS, Crops Branch, (202) 720-2127.

**Table 6-19.—Hops: Area, yield, and production, by States, 2002–2004**

State	Area harvested			Yield per acre			Production		
	2002	2003	2004 <sup>1</sup>	2002	2003	2004 <sup>1</sup>	2002	2003	2004 <sup>1</sup>
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
ID .....	3,399	3,429	3,253	1,624	1,536	1,588	5,519.6	5,266.3	5,165.0
OR .....	5,577	5,748	5,107	1,692	1,626	1,686	9,438.0	9,347.6	8,612.0
WA .....	20,333	19,492	19,382	2,133	2,050	2,137	43,379.0	39,951.2	41,426.9
US .....	29,309	28,669	27,742	1,990	1,903	1,990	58,336.6	54,565.1	55,203.9

<sup>1</sup> Preliminary.  
NASS, Crops Branch, (202) 720-2127.

**Table 6-20.—Hops: Marketing year average price and value of production, by States, crop of 2002, 2003, and 2004**

State	Marketing year average price per pound			Value of production		
	2002	2003	2004 <sup>1</sup>	2002	2003	2004 <sup>1</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
ID .....	1.58	1.62	1.60	8,721	8,531	8,264
OR .....	2.07	2.31	2.31	19,537	21,593	19,894
WA .....	1.92	1.79	1.85	83,288	71,513	76,640
Total .....	1.91	1.86	1.90	111,546	101,637	104,798

<sup>1</sup> Preliminary.  
NASS, Crops Branch, (202) 720-2127.

**Table 6-21.—Hops: United States exports by country of destination and imports by country of origin, 2001/2002–2003/2004**

Item and country	Year beginning September		
	2001/2002	2002/2003	2003/2004
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>Exports</b>			
North America:			
Canada .....	1,034.8	1,045.1	1,185.4
Mexico .....	1,138.4	1,069.9	1,105.1
Total .....	2,173.1	2,115.0	2,290.6
European Union:			
Belgium-Luxembourg .....	1,027.8	1,239.7	2,080.1
Germany .....	864.1	658.8	1,922.6
United Kingdom .....	712.5	680.7	781.5
Netherlands .....	171.5	251.0	214.5
Ireland .....	84.3	65.4	35.9
Other Countries .....	98.1	130.4	324.4
Total .....	2,958.3	3,026.0	5,359.0
Asia:			
Japan .....	651.4	467.4	334.3
Hong Kong .....	239.7	286.4	277.9
Korea, Republic of .....	259.4	386.7	234.8
China, Peoples Republic .....	32.8	92.8	213.3
Taiwan .....	3.5	0.0	0.1
Total .....	1,186.8	1,233.2	1,060.5
South America:			
Brazil .....	1,078.8	1,094.7	1,133.5
Colombia .....	378.1	394.2	415.5
Venezuela .....	361.9	159.4	245.4
Argentina .....	145.6	112.5	196.2
Other Countries .....	130.3	231.2	339.6
Total .....	2,094.7	1,992.0	2,330.2
Other countries:			
Australia .....	193.4	107.4	184.4
Other Countries .....	1,026.1	1,263.2	1,458.8
Total .....	1,219.5	1,370.6	1,643.2
Grand total .....	9,605.4	9,662.1	12,835.3
<b>Imports</b>			
North America:			
Canada .....	0.0	0.0	0.2
Total .....	0.0	0.0	0.2
European Union-25:			
Germany .....	2,617.5	2,536.6	1,677.1
France .....	980.7	1,002.8	832.1
United Kingdom .....	170.8	156.4	139.9
Belgium-Luxembourg .....	0.6	36.5	45.5
Czech Republic .....	81.6	42.0	36.3
Slovenia .....	17.5	14.5	5.5
Poland .....	0.0	0.1	0.4
Austria .....	0.0	0.0	0.1
Spain .....	0.0	235.7	0.0
Total .....	3,868.7	4,024.6	2,737.0
Other Asia:			
China, Peoples Rep. ....	0.0	415.0	0.0
Hong Kong .....	7.7	0.0	0.0
Total .....	7.7	415.0	0.0
Oceania:			
Australia .....	255.1	433.5	370.2
New Zealand .....	19.7	93.3	22.4
Total .....	274.8	526.9	392.7
Grand total .....	4,151.3	4,966.4	3,129.9