CHAPTER XIV

STATISTICS OF FERTILIZERS AND PESTICIDES

This chapter contains statistics on percentages of crop acres treated by various types of fertilizers and pesticides. Nitrogen, phosphate, and potash are the most common fertilizers; herbicides, insecticides, fungicides, and other chemicals are the main categories of pesticides. Other chemicals include soil fumigants, vine killers, and dessicants. The tables show data for field crops for 1999–2002, fruits for 2001, and vegetables for 2002. NASS collects data for field crops on an annual basis and data for fruits and vegetables on a bi-yearly alternating basis. The surveyed States are generally the major producing States for each crop shown in the tables and represent 65–95 percent of the U.S. planted acres, depending on the selected crop. Quantities and rates of active chemical ingredients applied to each crop at State levels are available in the NASS series of ''Agricultural Chemical Usage'' reports.

Table 14-1.—Field crops: Fertilizer, total acreage, and percent of area receiving applications, all States surveyed, 1999–2002 [1]

Crop	Nitrogen	Phosphate	Potash
	Percent	*Percent*	*Percent*
1999:			
Corn	98	82	67
Cotton, Upland	86	59	52
Peanuts	64	70	88
Potatoes, Fall	100	98	88
Soybeans	18	26	28
Sunflower, All	95	33	.....
Wheat, Durum [2]	.....	.....	.....
Wheat, Other Spring [2]	.....	.....	.....
Wheat, Winter	97	91	90
2000:			
Corn	98	84	66
Cotton, Upland	83	63	53
Potatoes, Fall [2]	.....	.....	.....
Rice	100	59	47
Soybeans	18	24	27
Sugarbeets	98	92	50
Wheat, Durum	86	66	5
Wheat, Other Spring	95	84	27
Wheat, Winter	87	54	17
2001:			
Corn	96	79	65
Cotton, Upland	76	48	41
Potatoes, Fall	98	95	86
Soybeans	11	17	20
2002:			
Corn	96	79	68
Soybeans	20	26	29
Wheat, Durum	88	58	5
Wheat, Other Spring	86	74	27
Wheat, Winter	86	55	15

[1] Refers to acres receiving one or more applications of a specific fertilizer ingredient. See tables 14-2 through 14-11 for surveyed States. Note: Acreage estimates are on page I–24 for corn, page II–1 for cotton, page III–13 for soybeans, and page I–1 for wheat. [2] Data not available for all states for all years.

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Table 14-2.—Corn: Pesticide usage, 1999–2002 [1]

State and Year	Percent treated and amount applied			
	Herbicide [2]		Insecticide [3]	
	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Thousands*	*Percent*	*Thousands*
CO:.				
1999	93	1,763	45	479
2000	97	1,501	59	505
2001	92	1,506	51	431
GA:.				
1999	98	32,733	44	4,266
2000	94	31,723	31	1,996
2001	95	398	34	57
IL:.				
1999	98	28,467	38	1,833
2000	100	28,190	43	3,131
2001	100	31,868	42	1,787
2002	90	25,157	36	1,088
IN:.				
1999	99	14,819	36	1,156
2000	99	15,460	30	797
2001	99	16,007	47	1,103
2002	90	11,535	39	729
IA:.				
1999	99	27,966	25	2,462
2000	100	24,158	16	635
2001	99	20,627	7	864
2002	91	22,485	12	432
KS:.				
1999	98	6,619	32	385
2000	93	7,765	31	287
2001	95	9,958	24	657
KY:.				
1999	94	3,487	50	22
2000	95	2,600	26	65
2001	97	2,834	18	43
MI:.				
1999	99	6,128	22	214
2000	99	5,658	10	131
2001	88	4,944	22	288
MN:.				
1999	98	11,126	11	280
2000	99	10,597	8	369
2001	99	13,446	*	*
2002	96	10,002	6	212
MO:.				
1999	98	7,988	38	218
2000	87	5,988	20	114
2001	97	7,232	37	167
NE:.				
1999	99	19,747	39	1,295
2000	97	16,862	55	1,470
2001	99	15,159	48	1,104
2002	83	12,869	38	986
NY:.				
2000	92	2,312	31	204
2001	96	2,610	19	69
NC:.				
1999	82	1,340	35	222
2000	93	1,732	46	363
2001	96	1,558	37	181
ND:.				
2000	71	1,284	*	*
2001	90	745	*	*
OH:.				
1999	99	10,136	7	98
2000	99	10,339	24	603
2001	99	9,986	26	647
2002	91	8,424	14	125
PA:.				
2000	100	4,419	57	302
2001	99	4,484	60	550
SD:.				
1999	95	5,862	18	520
2000	100	5,790	15	44
2001	96	5,622	8	87
TX:.				
1999	93	3,190	54	458
2000	81	2,039	55	426
2001	90	1,990	76	664
WI:.				
1999	96	5,421	31	473
2000	95	6,410	20	365
2001	98	6,265	16	155
2002	81	5,304	20	356

[1] Data not available for all States for all years. [2] Insufficient number of reports to publish data for fungicides and other chemicals. [3] Amount applied excludes Bt (bacillus thuringiensis). Note: Planted acres are on page I-24. * Insufficient number of reports to publish data.

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

Table 14-3.—Corn: Fertilizer usage, 1999–2002 [1]

State and Year	Percent treated and amount applied					
	Nitrogen		Phosphate		Potash	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*
CO:.						
1999	98	165.6	65	30.3	16	3.4
2000	95	182.0	78	42.2	17	7.4
2001	93	141.5	65	32.1	24	10.8
GA:.						
2001	97	28.6	91	12.6	87	20.8
IL:.						
1999	98	1,639.8	80	603.2	81	1,003.0
2000	99	1,797.7	83	739.3	82	1,028.5
2001	99	1,682.8	81	720.6	85	1,092.2
2002	94	1,698.3	77	754.1	77	1,028.7
IN:.						
1999	99	881.8	92	299.1	88	593.3
2000	99	864.8	90	366.1	85	625.9
2001	98	837.4	85	331.7	86	660.0
2002	99	786.7	92	350.4	84	567.1
IA:.						
1999	98	1,502.8	75	604.9	75	734.7
2000	95	1,533.0	74	503.2	74	630.9
2001	87	1,272.8	62	415.8	60	482.4
2002	94	1,408.0	72	515.8	69	607.4
KS:.						
1999	99	443.3	70	86.2	22	20.5
2000	100	506.0	78	97.3	39	37.1
2001	97	444.4	71	93.5	19	24.8
KY:.						
1999	100	234.9	81	66.6	50	64.5
2000	99	198.7	81	88.3	80	92.0
2001	91	173.4	87	92.5	82	99.9
MI:.						
1999	100	277.9	92	91.9	91	174.4
2000	99	240.1	96	96.9	83	154.3
2001	91	251.3	78	85.9	78	175.2
MN:.						
1999	92	702.9	90	299.6	86	312.9
2000	97	786.4	91	404.2	76	377.9
2001	97	750.2	90	283.4	81	340.5
2002	95	839.9	86	330.1	78	344.8
MO:.						
1999	100	422.3	84	136.1	84	169.4
2000	100	422.7	82	136.3	82	169.1
2001	99	411.6	82	129.6	83	161.2
NE:.						
1999	99	1,115.2	75	232.8	18	22.1
2000	99	1,260.7	82	243.2	22	21.5
2001	100	1,067.0	77	219.4	25	42.8
2002	97	1,195.5	70	220.3	21	32.3
NY:.						
2000	99	71.2	89	45.6	78	41.8
2001	100	76.8	98	49.4	90	45.6
NC:.						
1999	99	83.2	82	36.3	88	66.3
2000	96	86.0	88	37.5	86	52.7
2001	98	81.8	85	41.6	84	56.6
ND:.						
2000	98	103.0	80	38.8	29	8.7
2001	94	89.9	83	33.8	38	10.1
OH:.						
1999	100	527.0	97	236.1	94	324.2
2000	100	572.8	92	224.2	83	287.0
2001	100	572.1	92	210.8	89	338.9
2002	99	500.1	85	183.2	78	283.1
PA:.						
2000	95	103.8	87	59.9	67	35.9
2001	98	130.2	79	55.8	76	43.4
SD:.						
1999	98	334.6	88	136.2	49	42.5
2000	99	418.9	92	153.6	39	36.1
2001	95	393.8	69	119.4	32	38.9
TX:.						
1999	100	304.5	80	74.5	40	22.4
2000	98	304.0	85	80.3	27	15.9
2001	100	245.6	83	66.3	40	18.4
WI:.						
1999	98	305.1	82	104.2	91	177.8
2000	97	300.7	89	120.6	90	161.0
2001	98	355.3	95	120.9	89	169.5
2002	98	325.0	87	102.2	88	202.2

[1] Data not available for all States for all years. Note: Planted acres are on page I-24.
NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 14-4.—Upland Cotton: Pesticide usage, 1999–2001 [1]

State and Year	Percent treated and amount applied							
	Herbicide		Insecticide [2]		Fungicide		Other Chemicals	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Thousands*	*Percent*	*Thousands*	*Percent*	*Thousands*	*Percent*	*Thousands*
AL:.								
1999	99	1,154	87	436	30	130	78	617
2000	97	1,435	67	270	16	84	58	398
AZ:.								
1999	90	519	60	360	**	**	95	1,361
2000	94	497	66	455	10	31	79	670
AR:.								
2000	95	1,993	82	1,610	17	57	89	1,459
2001	96	2,312	53	2,038	8	9	78	1,395
CA:.								
1999	98	1,006	94	861	1	7	100	2,406
2000	99	1,475	90	1,051	1	9	99	2,714
2001	*	*	*	*	*	*	*	*
GA:.								
1999	98	4,249	92	816	*	3	78	2,992
2000	98	3,526	81	725	**	**	78	3,258
2001	93	2,958	59	366	*	*	65	1,902
LA:.								
1999	98	1,763	98	4,206	9	40	88	707
2000	96	1,825	98	4,795	23	229	88	749
2001	95	2,552	93	2,217	16	70	88	931
MS:.								
1999	100	3,821	98	6,580	17	180	99	1,980
2000	98	3,557	99	6,112	15	131	99	1,986
2001	99	3,913	92	3,306	5	22	95	2,461
MO:.								
2000	94	677	90	360	*	*	97	695
NC:.								
1999	96	2,079	91	533	6	42	57	996
2000	99	2,375	94	510	4	19	91	1,921
2001	*	*	*	*	*	*	*	*
TN:.								
1999	96	1,385	95	1,222	27	132	89	585
2000	99	1,347	100	4,333	20	77	93	691
TX:.								
1999	97	7,081	76	23,417	1	49	32	1,840
2000	92	7,847	69	20,639	*	*	29	1,593
2001	90	21,098	68	23,810	4	212	55	13,435

[1] Data not available for all States for all years. [2] Amount applied excludes Bt (bacillus thuringiensis). * Insufficient number of reports to publish data. ** No reports received for this pesticide class. Note: Planted acres are on page II-1.

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

Table 14-5.—Upland Cotton: Fertilizer usage, 1999–2001 [1]

State and Year	Percent treated and amount applied					
	Nitrogen		Phosphate		Potash	
	Area applied [2]	Pounds applied	Area applied [2]	Pounds applied	Area applied [2]	Pounds applied
	Percent	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*
AL:.						
1999	97	46.5	94	36.3	95	45.3
2000	100	60.5	95	35.2	91	46.7
AZ:.						
1999	99	39.6	22	5.0	15	0.7
2000	98	35.6	30	4.7	8	0.9
AR:.						
1999	97	88.0	82	31.8	85	63.5
2000	100	84.2	78	30.5	84	66.1
2001	93	80.3	63	24.6	68	54.0
CA:.						
1999	99	92.6	51	19.1	19	11.1
2000	98	105.4	29	12.6	12	5.3
2001	*	*	*	*	*	*
GA:.						
1999	100	127.2	98	81.3	100	160.3
2000	96	124.9	94	77.6	93	117.7
2001	99	116.2	92	71.9	93	119.3
LA:.						
1999	100	52.4	43	14.7	45	18.9
2000	100	60.7	64	20.1	66	33.0
2001	95	70.8	50	18.4	52	35.1
MS:.						
1999	100	133.3	36	21.2	65	85.8
2000	100	147.7	44	29.5	68	86.1
2001	99	179.9	31	25.8	46	72.5
MO:.						
2000	100	40.4	86	11.7	95	33.5
NC:.						
1999	96	66.3	89	37.0	96	90.3
2000	96	76.0	80	34.9	91	98.5
2001	*	*	*	*	*	*
TN:.						
1999	100	51.2	99	30.2	100	50.9
2000	99	47.5	93	29.8	98	50.4
TX:.						
1999	71	281.8	45	112.8	23	26.6
2000	63	263.4	54	136.9	26	31.1
2001	52	195.9	37	85.2	14	16.4

[1] Data not available for all States for all years. [2] Planted acres are on page II-1.
NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 14-6.—Fall potatoes: Pesticide usage, 1999–2001 [1]

State and Year	Percent treated and amount applied							
	Herbicide		Insecticide [2]		Fungicide		Other Chemicals	
	Area applied [3]	Pounds applied	Area applied [3]	Pounds applied	Area applied [3]	Pounds applied	Area applied	Pounds applied
	Percent	*Thousands*	*Percent*	*Thousands*	*Percent*	*Thousands*	*Percent*	*Thousands*
CO:.								
1999	86	175	76	39	98	387	57	14,056
ID:.								
1999	92	953	92	1,066	92	1,502	56	53,358
2001	75	714	93	853	70	691	59	46,698
ME:.								
1999	100	25	97	29	100	553	24	89
2001	92	28	88	13	98	530	97	405
MI:.								
1999	100	101	100	52	99	609	56	137
MN:.								
1999	86	82	91	54	93	577	16	2,103
2001	78	53	95	18	97	431	56	456
ND:.								
1999	83	94	95	121	99	966	5	1,315
2001	*	*	*	*	*	*	*	*
OR:.								
1999	100	129	89	183	97	314	65	7,489
2001	*	*	*	*	*	*	*	*
PA:.								
1999	94	35	99	47	95	125	3	4
WA:.								
2001	92	290	95	647	91	1,108	78	14,470
WI:.								
1999	98	84	100	193	98	921	16	1,104
2001	88	73	100	110	97	1,193	86	2,644

[1] Data not available for all States for all years. [2] Amount applied excludes Bt (bacillus thuringiensis). [3] Planted acres are on page IV-21.

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

Table 14-7.—Fall potatoes: Fertilizer usage, 1999–2001 [1]

State and Year	Percent treated and amount applied					
	Nitrogen		Phosphate		Potash	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*
CO:.						
1999	98	14.6	95	13.3	74	5.6
ID:.						
1999	100	91.0	99	78.5	82	42.7
2001	99	79.6	97	63.2	77	35.1
IN:.						
1999	100	0.6	100	0.5	100	0.5
ME:.						
1999	100	11.5	100	12.3	100	12.4
2001	98	11.0	98	11.4	98	11.8
MI:.						
1999	100	10.1	98	6.6	100	10.0
MN:.						
1999	99	8.0	91	5.3	91	9.6
2001	93	6.4	89	4.5	89	7.6
ND:.						
1999	99	15.4	98	10.9	83	9.2
2001	*	*	*	*	*	*
OR:.						
1999	100	13.5	100	8.2	91	7.5
2001	*	*	*	*	*	*
PA:.						
1999	97	2.2	97	1.8	97	2.0
WA:.						
1999	100	55.5	99	40.7	97	43.7
2001	97	37.6	92	33.0	92	37.4
WI:.						
1999	100	20.8	100	12.0	99	20.4
2001	100	22.0	98	13.7	100	24.3

[1] Data not available for all states for all years. Note: Planted acres are on page IV-21.
NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 14-8.—Soybeans: Pesticide usage, 1999–2002 [1]

State and Year	Percent treated and amount applied [2]			
	Herbicide		Insecticide [3]	
	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Thousands*	*Percent*	*Thousands*
AR:.				
1999	94	3,670	9	17
2000	86	2,918	3	4
2001	80	2,440	*	*
2002	90	2,945	14	112
IL:.				
1999	96	10,290	*	20
2000	98	10,582	1	3
2001	96	10,102	*	*
2002	100	12,939	*	*
IN:.				
1999	89	5,750	**	**
2000	99	5,414	*	*
2001	98	5,612	*	*
2002	100	7,853	*	*
IA:.				
1999	99	11,995	**	**
2000	98	13,053	*	*
2001	95	11,704	*	*
2002	99	13,143	9	58
KS:.				
1999	97	3,273	*	1
2000	94	2,953	*	*
2002	98	2,931	*	*

See footnotes at end of table.

Table 14-8.—Soybeans: Pesticide usage, 1999–2002 [1]—Continued

State and Year	Percent treated and amount applied [2]			
	Herbicide		Insecticide [3]	
	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Thousands*	*Percent*	*Thousands*
KY:.				
1999	94	1,037	*	*
2000	88	1,151	1	6
2002	100	1,479	*	*
LA:.				
1999	94	1,123	53	229
2000	96	1,091	56	173
2002	98	1,257	72	470
MD:.				
2002	98	753	3	*
MI:.				
1999	97	2,342	**	**
2000	98	2,094	*	*
2002	98	2,496	*	*
MN:.				
1999	97	6,203	*	*
2000	95	7,151	*	*
2001	99	6,363	*	*
2002	99	7,073	*	*
MS:.				
1999	99	2,967	9	78
2000	99	2,096	5	23
2002	98	2,392	24	24
MO:.				
1999	97	5,556	**	*
2000	98	5867	**	**
2001	95	4,691	*	*
2002	99	5,924	*	*
NE:.				
1999	96	4,758	1	*
2000	98	5,795	*	*
2001	96	5,336	*	*
2002	100	6,014	4	36
NC:.				
1999	88	1,283	3	130
2000	92	1,016	7	20
2002	95	1,361	25	89
ND:.				
2000	99	2,046	**	**
2002	100	3,350	*	*
OH:.				
1999	99	4,705	*	*
2000	98	4,586	1	*
2001	96	4,216	*	3
2002	100	6,365	*	*
PA:.				
1999	99	429	11	**
SD:.				
2000	98	4,863	**	*
2002	100	5,117	19	97
TN:.				
1999	98	1,405	2	*
2000	95	1,319	1	*
2002	100	1,496	10	1
VA:.				
2002	94	591	46	25
WI:.				
2000	85	1,169	**	**
2002	86	1,253	*	*

[1] Data not available for all States for all years. [2] Insufficient number of reports to publish data for fungicides and other chemicals. [3] Amount applied excludes Bt (bacillus thuringiensis). * Insufficient number of reports to publish data. ** No reports received for this pesticide class. Note: Planted acres are on page III-13.

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Table 14-9.—Soybeans: Fertilizer usage, 1999–2002 [1]

State and Year	Percent treated and amount applied					
	Nitrogen		Phosphate		Potash	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*
AR:.						
1999	17	17.3	43	78.0	40	90.0
2000	10	21.0	30	43.4	31	73.0
2001	3	3.4	30	42.8	24	54.9
2002	7	5.2	36	57.8	35	66.1
IL:.						
1999	7	16.2	14	64.1	28	304.0
2000	11	16.8	16	77.5	29	286.0
2001	10	42.8	12	95.8	22	250.5
2002	18	37.5	25	143.1	38	422.6
IN:.						
1999	28	33.6	36	105.3	36	219.0
2000	7	11.0	15	53.9	33	207.8
2001	12	11.4	20	58.1	36	222.4
2002	18	17.4	24	67.9	46	276.0
IA:.						
1999	7	23.5	17	103.5	22	173.7
2000	15	81.0	22	110.1	22	138.0
2001	5	9.9	9	47.9	10	71.3
2002	3	9.3	7	48.3	12	163.7
KS:.						
1999	22	14.9	22	19.4	15	7.6
2000	18	10.3	16	16.9	*	*
2002	24	12.2	25	28.7	8	5.9
KY:.						
1999	17	4.8	25	18.3	26	24.2
2000	13	7.7	40	31.7	39	37.7
2002	21	9.6	37	30.3	38	46.6
LA:.						
1999	5	1.4	14	7.2	11	6.8
2000	6	1.5	20	7.3	26	15.6
2002	2	0.1	18	5.5	18	7.5
MD:.						
2002	23	2.7	17	2.9	26	7.0
MI:.						
1999	31	9.5	45	27.7	65	109.5
2000	37	11.1	40	44.8	72	131.2
2002	44	24.4	34	32.0	67	119.1
MN:.						
1999	13	18.7	13	29.5	13	54.5
2000	8	10.2	9	24.1	24	118.6
2001	13	15.3	13	32.3	12	41.5
2002	11	16.1	12	34.2	10	39.1
MS:.						
1999	10	4.2	15	14.1	22	23.9
2000	9	3.4	19	14.3	20	23.5
2002	12	3.7	20	15.8	20	25.7
MO:.						
1999	15	11.7	23	54.8	23	87.3
2000	20	27.5	28	98.1	27	94.2
2001	6	5.4	24	52.2	22	61.7
2002	13	11.8	29	62.9	36	158.1

See footnotes at end of table.

Table 14-9.—Soybeans: Fertilizer usage, 1999–2002 [1]—Continued

State and Year	Percent treated and amount applied					
	Nitrogen		Phosphate		Potash	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*
NE:.						
1999	25	17.8	25	31.7	16	17.0
2000	30	19.8	20	36.7	15	6.2
2001	22	23.4	21	38.3	10	13.2
2002	31	23.1	36	79.9	11	14.6
NC:.						
1999	54	15.8	71	53.9	71	85.0
2000	38	12.6	62	64.7	47	47.7
2002	36	14.4	36	25.0	41	51.3
ND:.						
2000	46	27.8	41	25.3	*	*
2002	64	44.1	59	50.5	11	3.3
OH:.						
1999	21	14.4	35	81.6	47	205.6
2000	25	21.7	32	70.2	47	192.8
2001	17	19.1	30	63.9	41	164.7
2002	20	14.1	27	62.6	56	276.4
PA:.						
1999	37	2.8	41	7.5	43	10.0
SD:.						
1999	47	41.3	47	88.3	19	21.3
2000	38	24.3	43	66.0	12	12.2
2002	37	32.5	41	102.0	15	24.4
TN:.						
1999	34	7.1	46	25.9	48	38.4
2000	18	3.0	29	14.3	31	22.2
2002	42	14.5	47	31.1	57	48.6
VA:.						
2002	25	3.6	33	7.3	46	18.4
WI:.						
2000	24	6.5	30	16.6	40	46.2
2002	40	9.2	35	18.9	48	54.7

[1] Data not available for all States for all years. Note: Planted acres are on page III-13. * Insufficient number of reports to publish data.

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Table 14-10.—Wheat: Pesticide usage, 1999–2002 [1]

State and Year	Percent treated and amount applied [2]			
	Herbicide		Insecticide [3]	
	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Thousands*	*Percent*	*Thousands*
Winter.				
AR:.				
2000 ..	41	239	**	**
CO:.				
2000 ..	23	281	*	*
2002 ..	12	68	*	*
ID:.				
2000 ..	89	411	4	15
IL:.				
2000 ..	44	21	**	**
2002 ..	39	10	*	*
IN:.				
1999 ..	39	28	*	*
KS:.				
2000 ..	31	478	8	395
2002 ..	32	347	7	30
KY:.				
2000 ..	51	57	8	15
MO:.				
2000 ..	51	47	*	*
2002 ..	12	12	*	*
MT:.				
2000 ..	91	745	*	*
2002 ..	80	433	*	*
NE:.				
2000 ..	26	248	**	**
2002 ..	49	225	*	*
NC:.				
2000 ..	65	206	19	3
OH:.				
2000 ..	18	53	**	**
2002 ..	31	72	*	*
OK:.				
2000 ..	25	94	*	*
2002 ..	36	155	32	285
OR:.				
2000 ..	99	550	**	**
TX:.				
2000 ..	12	441	1	26
2002 ..	34	274	21	291
WA:.				
2000 ..	95	847	**	**
2002 ..	87	856	*	*
Durum.				
ND:.				
2000 ..	97	2,807	*	*
2002 ..	100	1,238	*	*
Other Spring.				
MN:.				
2000 ..	92	1,845	*	*
2002 ..	84	858	*	*
MT:.				
2000 ..	92	2,955	**	**
2002 ..	89	2,171	*	*
ND:.				
2000 ..	97	4,205	*	*
2002 ..	95	3,749	*	*
SD:.				
2000 ..	93	619	**	**

[1] Data not available for all States for all years. [2] Insufficient number of reports to publish data for fungicides and other chemicals. [3] Amount applied excludes Bt (bacillus thuringiensis). * Insufficient number of reports to publish data. ** No reports received for this pesticide class. Note: Planted acres are on page I-2.

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Table 14-11.—Wheat: Fertilizer usage, 2000–2002 [1]

State and Year	Percent treated and amount applied					
	Nitrogen		Phosphate		Potash	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*
Winter.						
AR:.						
2000	92	110.1	28	12.3	28	16.0
CO:.						
2000	87	85.2	14	5.6	*	*
2002	64	55.1	31	18.2	*	0.0
ID:.						
2000	90	75.5	54	12.1	13	2.7
IL:.						
2000	98	80.1	82	55.5	78	65.7
2002	96	59.4	76	37.0	74	46.8
IN:.						
1999	97	46.3	91	31.6	90	39.0
KS:.						
2000	94	522.9	65	178.7	6	11.2
2002	91	487.4	64	162.2	8	24.5
KY:.						
2000	80	52.0	62	25.9	60	29.2
MO:.						
2000	96	86.8	76	39.9	84	59.1
2002	97	65.9	75	31.8	74	40.8
MT:.						
2000	82	74.2	77	34.0	43	8.2
2002	88	38.4	81	18.5	46	4.8
NE:.						
2000	90	76.5	68	31.5	*	*
2002	79	57.6	45	22.6	4	2.1
NC:.						
2000	88	78.3	48	15.8	56	30.9
OH:.						
2000	94	107.0	81	64.1	82	74.0
2002	98	66.4	89	46.8	88	51.4
OK:.						
2000	97	393.3	62	148.4	5	8.3
2002	92	203.6	59	65.9	4	6.4
OR:.						
2000	99	46.1	11	1.8	7	1.4
SD:.						
2000	91	60.8	61	26.6	12	1.3
TX:.						
2000	55	280.2	35	79.7	14	32.0
2002	62	124.0	28	30.3	7	5.4
WA:.						
2000	100	111.7	30	10.2	6	1.3
2002	99	126.5	39	12.3	11	3.5
Durum.						
ND:.						
2000	86	173.8	66	47.6	5	2.1
2002	88	116.1	58	31.6	5	1.2
Other.						
Spring:.						
MN:.						
2000	94	169.8	85	51.8	73	29.3
2002	89	129.0	83	60.8	68	44.7
MT:.						
2000	90	167.6	84	75.5	36	15.6
2002	66	97.8	54	47.0	21	14.9
ND:.						
2000	97	501.8	83	170.1	12	13.3
2002	97	499.8	83	197.7	19	30.6
SD:.						
2000	86	173.8	66	47.6	5	2.1

[1] Data not available for all States for all years. * Insufficient number of reports to publish data. Note: Planted acres are on page I-2.

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Table 14-12.—Fruits: Percent of acres receiving applications, for surveyed States, 2001 [1]

Crop	Herbicide	Insecticide	Fungicide	Other
	Percent			
Apples	52	95	85	65
Apricots	24	79	74	4
Avocados	24	44	...	6
Blackberries	80	71	80	...
Blueberries	65	89	87	10
Cherries, Sweet	41	79	79	47
Cherries, Tart	62	99	99	81
Dates	...	18	...	...
Figs	50	11	...	...
Grapefruit	90	90	83	4
Grapes, All	65	60	84	19
Grapes, Non-bearing	2	...	...	...
Grapes, Raisin	59	59	78	26
Grapes, Table	75	80	96	76
Grapes, Wine	65	58	87	9
Kiwifruit	28	19	...	...
Lemons	51	55	25	26
Nectarines	70	87	89	23
Olives	38	31	6	5
Oranges	85	82	48	3
Peaches	59	91	92	12
Pears	49	91	85	56
Plums	60	85	66	7
Prunes	34	58	36	...
Raspberries	89	81	94	16
Tangelos	79	86	71	18
Tangerines	80	78	62	14
Temples	93	98	66	...

[1] Refers to acres receiving one or more applications of a specific agricultural chemical.

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Table 14-13.—Vegetables: Percent of acres receiving applications, for surveyed States, 2002[1]

Crop	Herbicide	Insecticide	Fungicide	Other
	Percent			
Asparagus	68	76	32	*
Beans, Snap, Fresh	58	84	80	1
Beans, Snap, Processing	89	73	38	*
Broccoli	65	96	14	*
Cabbage, Fresh	53	87	51	4
Carrots, Fresh	79	24	62	26
Carrots, Processing	90	64	77	35
Cauliflower	34	96	7	.....
Celery	38	67	49	*
Corn, Sweet, Fresh	80	90	28	*
Corn, Sweet, Processing	84	82	6	2
Cucumbers, Fresh	50	87	85	23
Cucumbers, Pickles	89	36	30	2
Garlic	79	*	42	*
Lettuce, Head	68	95	74	6
Lettuce, Other	59	89	70	8
Melons, Cantaloupe	29	54	31	20
Melons, Honeydew	*	66	34	*
Melons, Watermelon	47	57	78	13
Onions, Bulb	90	78	87	31
Peas, Green, Processing	85	54	.....	.....
Peppers, Bell	34	84	61	54
Pumpkins	63	61	50	1
Spinach, Fresh	28	52	37	*
Squash	39	76	63	8
Strawberries	35	85	86	68
Tomatoes, Fresh	58	85	86	52
Tomatoes, Processing	67	60	68	29

[1] Refers to acres receiving one or more applications of a specific agricultural chemical. * Insufficient number of reports to publish data.

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