

U.S. Environmental Data Summary

The environmental survey program provides data on agricultural chemical and fertilizer usage, pest management practices, and postharvest chemical applications. Agricultural chemical use data are released for selected major field crops, fruits and nuts, vegetables, and livestock and their facilities. Postharvest chemical use data are released for selected crops in storage, such as apples, potatoes, corn, wheat, rice, and peanuts. Pest management practices data are released to show what farmers are doing to reduce their dependency on agricultural chemicals. Pests are defined as weeds, insects, and diseases. Pest management practices were categorized into four areas: prevention, avoidance, monitoring, and suppression.

Following is a list of environmental products released during the past year:

Agricultural Chemical Usage - Postharvest Applications are released in March. For the March 2001 release, peanuts, rice, and sorghum were targeted. The March 2002 release targeted wheat.

Agricultural Chemical Usage 2000 Sheep and Sheep Facilities was released May 2001.

Agricultural Chemical Usage 2000 Field Crops Summary was released May 2001. The agricultural chemical use estimates refer to on-farm use of commercial fertilizers and pesticides on targeted crops for selected States. The targeted crops were: corn, upland cotton, rice, soybeans, sugarbeets, and wheat.

Agricultural Chemical Usage 2000 Vegetables Summary was released July 2001. This report includes farm use of 2000 crop year pesticides for 43 vegetable crops in 19 major producing States.

Agricultural Chemical Usage 2000 Restricted Use Summary was released October 2001. The chemical data provided in this report is limited to restricted use pesticides. This class of pesticides has been determined by the U.S. Environmental Protection Agency (EPA) to be "restricted", that is they are available for purchase and use only by certified pesticide applicators or persons under their direct supervision.

Pesticide Usage: Corn ^{1 2}

Year	Percent Treated and Amount Applied			
	Herbicide		Insecticide ³	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Colorado				
1998	90	1,595	29	530
1999	93	1,763	45	479
2000	97	1,501	59	505
Illinois				
1996	99	34,223	27	2,143
1997	98	32,733	44	4,266
1998	94	31,723	31	1,996
1999	98	28,467	38	1,883
2000	100	28,190	43	3,131
Indiana				
1996	98	18,856	35	1,466
1997	94	18,127	31	1,023
1998	99	18,373	45	1,595
1999	99	14,819	36	1,156
2000	99	15,460	30	797
Iowa				
1996	99	36,109	17	1,779
1997	98	36,144	19	2,323
1998	98	31,911	18	1,534
1999	99	27,966	25	2,462
2000	100	24,518	16	635
Kansas				
1996	94	5,784	40	515
1997	95	5,357	49	400
1999	98	6,619	32	385
2000	93	7,765	31	287
Kentucky				
1996	99	4,159	24	43
1998	99	4,174	*	*
1999	94	3,487	50	22
2000	95	2,600	26	65
Michigan				
1996	98	7,250	21	318
1997	98	6,912	11	200
1998	97	5,740	17	299
1999	99	6,128	22	214
2000	99	5,658	10	131
Minnesota				
1996	97	17,819	13	614
1997	91	13,956	10	291
1998	97	14,248	10	353
1999	98	11,126	11	280
2000	99	10,597	8	369
Missouri				
1996	98	7,547	27	492
1997	97	8,203	35	475
1998	95	7,718	44	291
1999	98	7,988	38	218
2000	87	5,988	20	114

See footnote(s) at end of table.

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Pesticide Usage: Corn ^{1 2} (continued)

Year	Percent Treated and Amount Applied			
	Herbicide		Insecticide ³	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Nebraska				
1996	98	19,817	51	3,068
1997	98	19,970	62	3,531
1998	93	19,459	44	1,667
1999	99	19,747	39	1,295
2000	97	16,862	55	1,470
New York				
2000	92	2,312	31	204
North Carolina				
1996	97	2,565	37	376
1998	96	2,150	32	283
1999	82	1,340	35	222
2000	93	1,732	46	363
North Dakota				
2000	71	1,284	*	*
Ohio				
1996	100	10,029	28	591
1997	100	12,971	18	711
1998	99	9,722	41	1,094
1999	99	10,136	7	98
2000	99	10,339	24	603
Pennsylvania				
1996	98	4,371	54	419
1998	97	4,436	44	262
2000	100	4,419	57	302
South Carolina				
1996	98	1,017	26	84
South Dakota				
1996	91	7,091	25	422
1997	93	6,346	10	317
1998	95	9,947	*	*
1999	95	5,862	18	520
2000	100	5,790	15	44
Texas				
1996	91	2,770	74	712
1998	94	2,520	68	1,191
1999	93	3,190	54	458
2000	81	2,039	55	426
Wisconsin				
1996	93	7,570	37	1,176
1997	98	8,689	19	433
1998	97	7,939	24	593
1999	96	5,421	31	473
2000	95	6,410	20	365

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 thurengiensis).

* Insufficient number of reports to publish data.

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

Pesticide Usage: Upland Cotton ¹

State and Year	Percent Treated and Amount Applied			
	Herbicide		Insecticide ²	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Alabama				
1997	100	1,667	85	469
1998	99	1,300	91	422
1999	99	1,154	87	436
2000	97	1,435	67	270
Arizona				
1996	75	357	89	1,029
1997	87	534	85	705
1998	95	426	91	677
1999	90	519	60	360
2000	94	497	66	455
Arkansas				
1996	99	2,750	93	1,303
1997	89	2,882	77	678
1998	93	2,119	98	886
1999	96	1,949	85	900
2000	95	1,993	82	1,610
California				
1996	90	1,856	97	2,031
1997	93	1,227	92	2,242
1998	99	879	98	800
1999	98	1,006	94	861
2000	99	1,475	90	1,051
Georgia				
1996	100	4,079	73	633
1997	100	4,623	90	895
1998	99	3,629	84	869
1999	98	4,249	92	816
2000	98	3,526	81	725
Louisiana				
1996	81	1,957	97	1,486
1997	90	2,331	85	1,789
1998	96	1,655	98	2,385
1999	98	1,763	98	4,206
2000	96	1,825	98	4,795
Mississippi				
1996	99	3,981	95	2,417
1997	100	3,124	100	3,972
1998	100	2,588	98	4,757
1999	100	3,821	98	6,580
2000	98	3,557	99	6,112
Missouri				
1997	100	839	71	210
2000	94	677	90	360
North Carolina				
1997	97	1,832	92	339
1998	95	1,494	92	363
1999	96	2,079	91	533
2000	99	2,375	94	510
South Carolina				
1997	100	875	98	241
Tennessee				
1996	100	1,889	89	505
1997	98	1,275	85	417
1998	100	1,127	97	1,297
1999	96	1,385	95	1,222
2000	99	1,347	100	4,333
Texas				
1996	90	5,692	68	5,832
1997	97	6,401	62	6,327
1998	93	6,989	47	2,833
1999	97	7,081	76	23,417
2000	92	7,847	69	20,639

See footnote(s) at end of table.

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Pesticide Usage: Upland Cotton ¹ (continued)

State and Year	Percent Treated and Amount Applied			
	Fungicide		Other Chemicals	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Alabama				
1997	17	22	69	482
1998	16	52	85	454
1999	30	130	78	617
2000	16	84	58	398
Arizona				
1996	(³)	(³)	71	1,703
1997	*	*	86	770
1998	4	6	97	947
1999	(³)	(³)	95	1,361
2000	10	31	79	670
Arkansas				
1996	28	157	91	1,206
1997	10	83	84	1,335
1998	19	71	93	1,490
1999	17	140	97	2,372
2000	17	57	89	1,459
California				
1996	*	*	95	5,180
1997	*	*	98	3,471
1998	*	*	99	1,611
1999	1	7	100	2,406
2000	1	9	99	2,714
Georgia				
1996	(³)	(³)	48	1,234
1997	(³)	(³)	85	4,397
1998	*	*	72	2,322
1999	*	3	78	2,992
2000	(³)	(³)	78	3,258
Louisiana				
1996	17	89	69	546
1997	19	85	66	469
1998	22	76	83	499
1999	9	40	88	707
2000	23	229	88	749
Mississippi				
1996	7	45	99	2,541
1997	30	447	97	1,556
1998	16	115	92	1,103
1999	17	180	99	1,980
2000	15	131	99	1,986
Missouri				
1997	*	*	99	573
2000	*	*	97	695
North Carolina				
1997	*	*	96	1,093
1998	9	30	89	909
1999	6	42	57	996
2000	4	19	91	1,921
South Carolina				
1997	18	5	96	467
Tennessee				
1996	33	97	87	732
1997	29	123	79	551
1998	37	61	93	547
1999	27	132	89	585
2000	20	77	93	691
Texas				
1996	*	*	39	2,064
1997	(³)	(³)	53	2,398
1998	*	*	45	2,113
1999	1	49	32	1,840
2000	*	*	29	1,593

¹ Data not available for all States for all years.

² Amount applied excludes Bt (bacillus thurengiensis).

³ No reports received for this pesticide class.

* Insufficient number of reports to publish data.

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

Pesticide Usage: Soybeans ^{1 2}

State and Year	Percent Treated and Amount Applied			
	Herbicide		Insecticide ³	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Arkansas				
1996	92	4,491	*	*
1997	97	5,019	*	*
1998	75	3,058	4	37
1999	94	3,670	9	17
2000	86	2,918	3	4
Illinois				
1996	97	10,670	(⁴)	(⁴)
1997	98	11,136	*	*
1998	95	11,354	*	*
1999	96	10,290	*	20
2000	98	10,582	1	3
Indiana				
1996	97	5,845	*	*
1997	99	7,062	(⁴)	(⁴)
1998	98	5,798	(⁴)	(⁴)
1999	89	5,750	*	*
2000	99	5,414	*	*
Iowa				
1996	99	10,821	*	*
1997	99	13,691	(⁴)	(⁴)
1998	100	11,866	(⁴)	(⁴)
1999	99	11,995	*	*
2000	98	13,053	*	*
Kansas				
1997	94	2,947	*	*
1998	95	2,156	*	*
1999	97	3,273	*	1
2000	94	2,953	*	*
Kentucky				
1997	91	1,460	*	*
1998	98	1,239	*	*
1999	94	1,037	*	*
2000	88	1,151	1	6
Louisiana				
1996	94	1,645	32	161
1997	90	1,843	29	331
1998	89	1,442	32	217
1999	94	1,123	53	229
2000	96	1,091	56	173
Michigan				
1997	98	2,452	(⁴)	(⁴)
1998	98	2,620	*	*
1999	97	2,342	*	*
2000	98	2,094	*	*
Minnesota				
1996	98	7,826	(⁴)	(⁴)
1997	96	6,902	(⁴)	(⁴)
1998	97	6,071	*	*
1999	97	6,203	*	*
2000	95	7,151	(⁴)	(⁴)

See footnote(s) at end of table.

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Pesticide Usage: Soybeans (continued) ^{1 2}

State and Year	Area Treated and Amount Applied			
	Herbicide		Insecticide ³	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Mississippi				
1996	99	2,287	*	*
1997	98	2,453	*	*
1998	100	2,948	6	33
1999	99	2,967	9	78
2000	99	2,096	5	23
Missouri				
1996	98	5,373	*	*
1997	94	5,521	(⁴)	*
1998	92	6,152	(⁴)	(⁴)
1999	97	5,556		
2000	98	5,867	(⁴)	(⁴)
Nebraska				
1996	99	3,459	*	*
1997	99	4,093	*	*
1998	88	4,226	*	*
1999	96	4,758	1	10
2000	98	5,795	*	*
North Carolina				
1997	98	1,625	35	130
1998	84	1,440	3	20
1999	88	1,283	3	3
2000	92	1,016	7	15
North Dakota				
2000	99	2,046	(⁴)	(⁴)
Ohio				
1996	98	5,692	*	*
1997	99	5,307	*	*
1998	99	5,435	*	*
1999	99	4,758	*	3
2000	98	4,586	1	2
Pennsylvania				
1997	86	661	(⁴)	(⁴)
1999	99	429	11	20
South Dakota				
1997	90	3,059	*	*
1998	96	3,706	*	*
1999	98	3,943		
2000	98	4,863	(⁴)	(⁴)
Tennessee				
1996	100	1,770	*	*
1997	100	1,664	*	*
1998	98	1,926	*	*
1999	98	1,405	2	19
2000	95	1,319	1	8
Wisconsin				
1996	99	750	*	*
1997	100	998	(⁴)	(⁴)
2000	85	1,169	(⁴)	(⁴)

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 thurengiensis).

⁴ No reports received for this pesticide class.

* Insufficient number of reports to publish data.

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

Pesticide Usage: Wheat ^{1 2}

Type, State, and Year	Area Treated and Amount Applied					
	Herbicide		Insecticide ³		Fungicide	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Winter Wheat						
Arkansas						
2000	41	239	*	*	*	*
California						
1998	47	146	*	*	*	*
Colorado						
1996	61	756	11	139	(⁴)	(⁴)
1997	64	803	13	321	(⁴)	(⁴)
1998	61	610	*	*	*	*
2000	23	281	*	*	*	*
Georgia						
1998	38	80	*	*	18	6
Idaho						
1996	80	433	(⁴)	(⁴)	(⁴)	(⁴)
1997	98	631	(⁴)	(⁴)	(⁴)	(⁴)
1998	88	495	*	*	*	*
2000	89	411	4	15	(⁴)	(⁴)
Illinois						
1997	40	16	(⁴)	(⁴)	(⁴)	(⁴)
1998	47	17	*	*	*	*
2000	44	21	(⁴)	(⁴)	(⁴)	(⁴)
Indiana						
1999	39	28	*	*	*	*
Kansas						
1996	47	1,304	7	212	(⁴)	(⁴)
1997	31	819	(⁴)	(⁴)	(⁴)	(⁴)
1998	35	1,620	(⁴)	(⁴)	(⁴)	(⁴)
2000	31	478	8	395	(⁴)	(⁴)
Kentucky						
2000	51	57	8	15	6	5
Louisiana						
1998	*	*	*	*	10	2
Mississippi						
1998	55	78	*	*	11	4
Missouri						
1997	33	67	(⁴)	(⁴)	(⁴)	(⁴)
1998	28	12	(⁴)	(⁴)	(⁴)	(⁴)
2000	51	47	*	*	2	4
Montana						
1996	93	1,385	*	*	*	*
1997	88	1,089	*	*	*	*
1998	89	889	(⁴)	(⁴)	(⁴)	(⁴)
2000	91	745	*	*	*	*
Nebraska						
1996	61	332	*	*	*	*
1997	53	189	(⁴)	(⁴)	(⁴)	(⁴)
1998	52	320	*	*	*	*
2000	26	248	*	*	*	*
North Carolina						
1998	60	92	13	11	15	13
2000	65	206	19	3	*	*
Ohio						
1997	20	56	(⁴)	(⁴)	(⁴)	(⁴)
1998	13	75	(⁴)	(⁴)	(⁴)	(⁴)
2000	18	53	(⁴)	(⁴)	(⁴)	(⁴)
Oklahoma						
1996	35	655	27	391	(⁴)	(⁴)
1997	38	435	13	234	(⁴)	(⁴)
1998	42	827	6	89	*	*
2000	25	94	*	*	*	*
Oregon						
1996	99	503	*	*	8	21
1997	100	516	*	*	24	87
1998	100	415	*	*	21	107
2000	99	550	(⁴)	(⁴)	13	62

See footnote(s) at end of table.

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Pesticide Usage: Wheat (continued) ^{1 2}

Type, State, and Year	Area Treated and Amount Applied					
	Herbicide		Insecticide ³		Fungicide	
	Area Treated	Pounds Applied	Area Treated	Pounds Applied	Area Treated	Pounds Applied
	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Winter Wheat(contd.)						
Pennsylvania						
2000	21	8	*	*	*	*
South Dakota						
1996	65	390	*	*	*	*
1997	89	383	(⁴)	(⁴)	(⁴)	(⁴)
1998	88	589	*	*	*	*
2000	56	415	(⁴)	(⁴)	(⁴)	(⁴)
Texas						
1996	27	319	38	447	*	*
1997	24	181	18	351	*	*
1998	27	435	7	177	*	*
2000	12	441	1	26	(⁴)	(⁴)
Washington						
1996	96	1,304	(⁴)	(⁴)	8	43
1997	98	1,584	*	*	1	4
1998	97	1,718	*	*	3	49
2000	95	847	*	*	*	*
Durum Wheat						
North Dakota						
1996	98	2,087	*	*	*	*
1997	93	2,221	2	12	*	*
1998	98	2,631	*	*	*	*
2000	97	2,807	*	*	*	*
Other Spring						
Idaho						
1998	95	392	*	*	*	*
Minnesota						
1996	96	1,547	*	*	*	*
1997	94	1,434	*	*	*	*
1998	97	1,396	11	65	37	100
2000	92	1,845	*	*	*	*
Montana						
1996	76	2,122	(⁴)	(⁴)	(⁴)	(⁴)
1997	94	3,254	*	*	*	*
1998	81	1,816	*	*	*	*
2000	92	2,955	*	*	*	*
North Dakota						
1996	92	6,170	*	*	*	*
1997	88	4,583	*	*	*	*
1998	98	4,053	7	176	7	52
2000	97	4,205	*	*	*	*
Oregon						
1998	98	87	(⁴)	(⁴)	(⁴)	(⁴)
South Dakota						
1996	86	886	(⁴)	(⁴)	(⁴)	(⁴)
1998	73	698	*	*	*	*
2000	93	619	*	*	*	*
Washington						
1998	100	552	*	*	*	*

¹ Data not available for all States for all years.

² Insufficient number of reports to publish data for other chemicals.

³ Amount applied excludes Bt (bacillus thurengiensis).

⁴ No reports received for this pesticide class.

* Insufficient number of reports to publish data.

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

Fertilizer Usage: Soybeans ¹

State and Year	Nitrogen		Phosphate		Potash	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>
Arkansas						
1996	9	8.2	45	76.4	43	90.5
1997	6	9.3	29	60.8	30	71.4
1998	5	8.6	29	65.3	29	75.4
1999	17	17.3	43	78.0	40	90.0
2000	10	21.0	30	43.4	31	73.0
Delaware						
1997	37	1.5	38	3.8	29	5.7
Illinois						
1996	15	32.4	23	128.3	34	329.6
1997	11	12.6	23	160.3	34	352.5
1998	7	17.2	12	78.7	24	321.4
1999	7	16.2	14	64.1	28	304.0
2000	11	16.8	16	77.5	29	286.0
Indiana						
1996	23	37.9	33	79.1	44	240.7
1997	16	40.8	22	65.2	36	213.0
1998	15	25.0	26	70.4	51	255.3
1999	28	33.6	36	105.3	36	219.8
2000	7	11.0	15	53.9	33	207.8
Iowa						
1996	8	19.5	12	55.2	14	99.3
1997	16	30.4	23	129.3	25	205.4
1998	10	20.4	13	62.1	14	79.0
1999	7	23.5	17	103.5	22	173.7
2000	15	81.0	22	110.1	22	138.0
Kansas						
1997	20	12.1	18	14.8	15	18.9
1998	16	7.5	21	16.6	11	8.3
1999	22	14.9	22	19.4	15	7.6
2000	18	10.3	16	16.9	(²)	(²)
Kentucky						
1997	32	22.7	42	36.9	41	59.4
1998	35	17.0	58	58.9	63	73.3
1999	17	4.8	25	18.3	26	24.2
2000	13	7.7	40	31.7	39	37.7
Louisiana						
1996	4	0.7	36	17.1	34	26.0
1997	13	5.8	23	13.8	23	21.3
1998	3	0.4	25	12.0	26	19.4
1999	5	1.4	14	7.2	11	6.8
2000	6	1.5	20	7.3	26	15.6
Michigan						
1997	63	21.3	49	49.9	71	100.9
1998	72	24.3	73	54.6	75	99.5
1999	31	9.5	45	27.7	65	109.5
2000	37	11.1	40	44.8	72	131.2

See footnote(s) at end of table.

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Fertilizer Usage: Soybeans ¹ (continued)

State and Year	Nitrogen		Phosphate		Potash	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>
Minnesota						
1996	10	9.2	14	38.4	10	42.9
1997	16	15.2	20	55.6	22	141.5
1998	18	27.5	17	38.1	9	33.1
1999	13	18.7	13	29.5	13	54.5
2000	8	10.2	9	24.1	24	118.6
Mississippi						
1996	11	2.5	18	14.0	17	19.4
1997	16	5.4	23	25.5	26	48.4
1998	5	2.1	10	10.0	16	23.2
1999	10	4.2	15	14.1	22	23.9
2000	9	3.4	19	14.3	20	23.5
Missouri						
1996	23	20.5	25	54.9	28	81.3
1997	15	17.2	28	60.4	35	136.2
1998	24	25.9	47	119.8	53	198.2
1999	15	11.7	23	54.8	23	87.3
2000	20	27.5	28	98.1	27	94.2
Nebraska						
1996	28	10.2	50	64.4	11	5.3
1997	31	19.5	31	45.9	16	11.3
1998	22	12.1	19	27.0	8	7.3
1999	25	17.8	25	31.7	16	17.0
2000	30	19.8	20	36.7	15	6.2
North Carolina						
1997	52	46.7	67	36.8	77	103.3
1998	36	12.4	34	19.4	39	47.3
1999	54	15.8	71	53.9	71	85.0
2000	38	12.6	62	64.7	47	47.7
North Dakota						
2000	46	27.8	41	25.3	(²)	(²)
Ohio						
1996	20	30.4	24	50.1	36	164.8
1997	16	11.9	26	56.8	60	308.4
1998	19	16.5	29	71.9	42	179.3
1999	21	14.4	35	81.6	47	205.6
2000	25	21.7	32	70.2	47	192.8
Pennsylvania						
1997	53	3.4	55	8.7	59	19.5
1999	37	2.8	41	7.5	43	10.0
South Dakota						
1997	35	43.3	34	42.2	18	14.5
1998	32	29.7	32	38.1	11	2.9
1999	47	41.3	47	88.3	48	21.3
2000	38	24.3	43	66.0	12	12.2
Tennessee						
1996	27	12.8	43	27.5	53	51.5
1997	29	7.4	48	33.1	52	52.6
1998	19	4.5	36	20.7	39	29.4
1999	34	7.1	46	25.9	48	38.4
2000	18	3.0	29	14.3	31	22.2
Wisconsin						
1997	53	8.2	54	11.7	69	56.0
2000	24	6.5	30	16.6	40	46.2

¹ Data not available for all States for all years.

² Insufficient number of reports to publish data.

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

Fertilizer Usage: Corn ¹

State and Year	Percent Treated and Amount Applied					
	Nitrogen		Phosphate		Potash	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>
Colorado						
1998	93	110.3	78	18.0	49	4.9
1999	98	165.6	65	30.3	16	3.4
2000	95	182.0	78	42.2	17	7.4
Illinois						
1996	100	1,823.9	79	737.5	83	1,056.0
1997	99	1,689.5	87	747.9	87	1,046.8
1998	99	1,636.8	74	567.8	70	785.9
1999	98	1,639.8	80	603.2	81	1,003.0
2000	99	1,797.7	83	739.3	82	1,028.5
Indiana						
1996	100	774.7	97	346.1	88	542.4
1997	100	876.7	96	410.9	82	525.9
1998	100	846.3	97	341.0	90	619.4
1999	99	881.8	92	299.1	88	593.3
2000	99	864.8	90	366.1	85	625.9
Iowa						
1996	98	1,631.7	83	627.7	81	786.1
1997	99	1,464.3	75	575.4	75	668.0
1998	96	1,529.0	81	613.8	81	803.0
1999	98	1,502.8	75	604.9	75	734.7
2000	95	1,533.0	74	503.2	74	630.9
Kansas						
1996	98	416.5	83	79.5	29	26.1
1997	100	514.3	83	101.4	21	21.6
1999	99	443.3	70	86.2	22	20.5
2000	100	506.0	74	97.3	39	37.1
Kentucky						
1997	98	186.9	86	87.2	89	94.1
1998	100	227.3	94	103.7	95	140.4
1999	100	234.9	81	66.6	50	64.5
2000	99	198.7	81	88.3	80	92.0
Michigan						
1996	100	307.9	90	112.7	85	226.5
1997	100	309.2	91	117.9	94	263.8
1998	95	228.9	91	90.7	87	179.2
1999	100	277.9	92	91.9	91	174.4
2000	99	240.1	96	96.9	83	154.3
Minnesota						
1996	97	784.4	94	375.6	86	420.9
1997	97	750.9	79	270.4	81	309.6
1998	96	851.2	91	352.3	87	447.9
1999	92	702.9	90	299.6	86	312.9
2000	97	786.4	91	404.2	76	377.9
Missouri						
1996	97	398.5	88	132.7	87	163.5
1997	100	447.1	84	131.3	84	176.4
1998	99	466.7	92	138.2	93	184.6
1999	100	422.3	84	136.1	84	169.4
2000	100	422.7	82	136.3	82	169.1

See footnote(s) at end of table.

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Fertilizer Usage: Corn 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
	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>
Nebraska						
1996	98	1,174.0	79	227.6	39	75.0
1997	100	1,313.1	80	205.2	26	33.3
1998	99	1,106.1	69	215.1	21	33.1
1999	99	1,115.2	75	232.8	18	22.1
2000	99	1,260.7	82	243.2	22	21.5
New York						
2000	99	71.2	89	45.6	78	41.8
North Carolina						
1996	99	113.1	91	53.6	89	88.7
1998	98	105.1	92	42.2	91	76.1
1999	99	83.2	82	36.3	88	66.3
2000	96	86.0	88	37.5	86	52.7
North Dakota						
2000	98	103.0	80	38.8	29	8.7
Ohio						
1996	100	425.4	97	245.8	86	244.0
1997	99	567.5	89	234.6	89	313.6
1998	100	587.5	96	243.0	74	310.3
1999	100	527.0	97	236.1	94	324.2
2000	100	572.8	92	224.2	83	287.0
Pennsylvania						
1996	97	112.2	79	67.0	75	43.6
1998	88	128.5	71	54.4	69	41.4
2000	95	103.8	87	59.9	67	35.9
South Carolina						
1996	100	46.0	97	21.8	100	42.3
South Dakota						
1996	88	312.3	77	105.7	39	31.8
1997	96	303.1	80	113.9	31	25.5
1998	94	305.9	78	117.4	25	21.5
1999	98	334.6	88	136.2	49	42.5
2000	99	418.9	92	153.6	39	36.1
Texas						
1996	99	284.5	79	61.6	43	25.4
1998	99	319.4	87	89.3	21	15.4
1999	100	304.5	80	74.5	40	22.4
2000	98	304.0	85	80.3	27	15.9
Wisconsin						
1996	94	297.0	89	134.6	88	209.7
1997	98	285.2	97	154.0	93	244.1
1998	97	326.8	96	148.2	96	188.0
1999	98	305.1	82	104.2	91	177.8
2000	97	300.7	89	120.6	90	161.0

¹ Data not available for all States for all years.

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

Fertilizer Usage: Upland Cotton ¹

State and Year	Percent Treated and Amount Applied					
	Nitrogen		Phosphate		Potash	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>
Alabama						
1997	100	47.8	93	26.8	95	40.1
1998	99	38.3	94	27.3	94	35.5
1999	97	46.5	94	36.3	95	45.3
2000	100	60.5	95	35.2	91	46.7
Arizona						
1996	98	45.8	43	6.6	11	1.6
1997	99	41.8	29	5.2	4	0.6
1998	98	34.5	38	6.1	13	0.3
1999	99	39.6	22	5.0	15	0.7
2000	98	35.6	30	4.7	8	0.9
Arkansas						
1996	97	94.0	66	25.2	71	49.3
1997	92	67.2	83	42.5	91	57.6
1998	98	82.4	88	33.8	88	61.6
1999	97	88.0	82	31.8	85	63.5
2000	100	84.2	78	30.5	84	66.1
California						
1996	96	168.1	37	30.6	16	9.5
1997	96	122.7	25	13.4	26	16.7
1998	98	81.8	23	11.2	13	6.9
1999	99	92.6	51	19.1	19	11.1
2000	98	105.4	29	12.6	12	5.3
Georgia						
1996	99	139.3	99	76.7	97	139.1
1997	95	126.3	94	81.4	99	132.0
1998	96	119.6	90	71.3	92	123.4
1999	100	127.6	98	81.3	100	160.3
2000	96	124.9	94	77.6	93	117.7
Louisiana						
1996	91	60.1	64	25.7	67	39.5
1997	98	48.5	71	22.8	76	33.8
1998	99	47.9	69	15.5	73	29.8
1999	100	52.4	43	14.7	45	18.9
2000	100	60.7	64	20.1	66	33.0
Mississippi						
1996	98	110.4	27	14.0	56	63.4
1997	100	107.3	46	22.6	77	72.1
1998	97	98.5	51	27.6	67	62.9
1999	100	133.3	36	21.2	65	85.8
2000	100	147.7	44	29.5	68	86.1
Missouri						
1997	100	42.6	72	10.0	95	28.1
2000	100	40.4	86	11.7	95	33.5
North Carolina						
1997	92	38.4	64	16.6	85	56.8
1998	98	60.2	90	35.0	93	71.6
1999	96	66.3	89	37.0	96	90.3
2000	96	76.0	80	34.9	91	98.5
South Carolina						
1997	100	26.8	100	15.8	100	34.2
Tennessee						
1996	100	47.8	99	32.0	99	47.1
1997	100	44.8	99	27.4	99	42.9
1998	99	42.6	100	28.4	100	41.0
1999	100	51.2	99	30.2	100	50.9
2000	99	47.5	93	29.8	98	50.4
Texas						
1996	55	252.2	47	105.2	20	23.6
1997	82	280.9	62	126.3	29	25.8
1998	68	237.7	56	122.0	27	28.5
1999	71	281.8	45	112.8	23	26.6
2000	63	263.4	54	136.9	26	31.1

¹ Data not available for all States for all years.
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Fertilizer Usage: Wheat ¹

Type, State, and Year	Percent Treated and Amount Applied					
	Nitrogen		Phosphate		Potash	
	Area Treated	Pounds Applied	Area Treated	Pounds Applied	Area Treated	Pounds Applied
	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>
Winter Wheat						
Arkansas						
2000	92	110.1	28	12.3	28	16.0
Colorado						
1996	77	70.2	38	18.0	(²)	(²)
1997	68	69.0	39	18.7	(²)	(²)
1998	78	108.5	33	22.2	4	0.7
2000	87	85.2	14	5.6	(²)	(²)
Georgia						
1998	98	27.7	90	12.3	86	17.2
Idaho						
1997	97	96.2	48	22.1	15	5.0
1998	98	105.4	62	19.4	11	4.3
1999	97	93.6	67	20.6	23	7
2000	90	75.5	54	12.1	13	2.7
Illinois						
1997	91	103.8	69	62.1	77	86.9
1998	98	119.9	82	78.5	70	94.7
2000	98	80.1	82	55.5	78	65.7
Indiana						
1999	97	46.3	91	31.6	90	39
Kansas						
1996	94	461.6	65	162.3	(²)	(²)
1997	78	509.0	56	186.8	8	19.5
1998	92	596.7	74	248.3	13	50.7
2000	94	522.9	65	178.7	6	11.2
Kentucky						
2000	80	52.0	62	25.9	60	29.2
Louisiana						
1998	91	9.2	32	1.6	30	1.8
Mississippi						
1998	100	22.2	14	1.4	14	1.7
Missouri						
1997	92	98.2	81	45.4	70	49.4
1998	98	138.4	86	51.1	86	74.9
2000	96	86.8	76	39.9	84	59.1
Montana						
1996	82	84.7	80	46.9	12	4.3
1997	95	64.5	78	31.4	23	4.3
1998	90	67.9	88	30.7	31	5.1
2000	82	74.2	77	34.0	43	8.2
Nebraska						
1997	86	78.6	51	34.8	(²)	(²)
1998	92	94.6	74	47.8	(²)	(²)
1999	85	69.9	59	25.3	12	1
2000	90	76.5	68	31.5	(²)	(²)
North Carolina						
1999	91	63.9	76	24.1	84	53.8
2000	88	78.3	48	15.8	56	30.9
Ohio						
1997	100	93.1	92	63.7	98	87.6
1998	100	106.9	93	66.8	94	80.2
2000	94	107.0	81	64.1	82	74.0
Oklahoma						
1996	75	199.2	45	70.8	11	26.1
1997	90	317.5	47	83.6	7	6.4
1998	95	381.0	64	130.8	15	10.7
2000	97	393.3	62	148.4	5	8.3
Oregon						
1996	100	65.0	10	2.5	5	1.1
1997	100	75.3	15	4.7	(²)	(²)
1998	99	57.8	9	1.7	1	10.7
2000	99	46.1	11	1.8	7	1.4

See footnote(s) at end of table.

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Fertilizer Usage: Wheat ¹ (continued)

Type, State, and Year	Percent Treated and Amount Applied					
	Nitrogen		Phosphate		Potash	
	Area Treated	Pounds Applied	Area Treated	Pounds Applied	Area Treated	Pounds Applied
	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>
Winter Wheat(contd.)						
Pennsylvania						
1998	81	7.3	60	5.2	59	5.2
South Dakota						
1997	78	60.8	65	29.2	(²)	(²)
1998	78	38.7	58	15.3	(²)	(²)
1999	94	79.7	92	36.6	(²)	(²)
2000	91	60.8	61	26.6	12	1.3
Texas						
1997	78	183.6	31	39.4	(²)	(²)
1998	78	267.2	36	49.10	16	10.8
1999	75	337.2	50	111.7	22	24.6
2000	55	280.2	35	79.7	14	32.0
Washington						
1997	100	194.9	25	12.2	10	5.4
1998	98	145.4	34	16.5	12	7.6
1999	100	155.8	30	14.7	10	3.8
2000	100	111.7	30	10.2	6	1.3
Durum Wheat						
North Dakota						
1997	93	168.6	73	50.9	8	4.9
1998	95	170.9	77	48.7	8	4.1
1999	98	175.0	79	49.0	3	1.7
2000	86	173.8	66	47.6	5	2.1
Other Spring						
Idaho						
1999	96	59.4	83	17.9	33	2.9
Minnesota						
1997	98	227.0	87	82.1	48	33.8
1998	98	209.1	91	77.4	73	73.9
1999	100	166.5	97	65.3	64	37.8
2000	94	169.8	85	51.8	73	29.3
Montana						
1997	83	173.5	78	89.6	9	3.6
1998	79	153.5	66	68.2	15	10.2
1999	61	129.6	55	64.5	22	10.3
2000	90	167.6	84	75.5	36	15.6
North Dakota						
1997	90	582.9	78	227.4	24	46.0
1998	99	621.8	92	248.3	24	43.8
1999	97	472.8	87	166.8	20	9.0
2000	97	501.8	83	170.1	12	2.8
South Dakota						
1998	90	140.2	70	61.6	(²)	(²)
1999	84	92.2	66	45.00	11	5.7
2000	95	98.1	83	36.7	12	2.8

¹ Data not available for all States for all years.

² Insufficient number of reports to publish data.

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