

**Table 40. Fertilizers and Chemicals Applied: 2022 and 2017**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Oklahoma	Adair	Alfalfa	Atoka	Beaver	Beckham	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	20,504	295	345	222	162	239
	2017	26,813	412	405	252	160	305
acres treated, 2022	6,398,539	26,297	246,992	31,042	118,502	75,042	
	2017	7,868,321	42,461	270,412	37,965	100,302	107,439
Cropland fertilized, except cropland pasture	farms, 2022	11,724	120	295	89	135	152
	2017	15,223	206	366	115	149	181
acres treated, 2022	4,772,432	6,960	229,250	10,712	106,545	59,791	
	2017	5,365,656	14,397	240,732	11,881	93,670	71,387
Pastureland and rangeland fertilized	farms, 2022	11,458	225	117	148	30	122
	2017	16,134	299	161	158	23	192
acres treated, 2022	1,626,107	19,337	17,742	20,330	11,957	15,251	
	2017	2,502,665	28,064	29,680	26,084	6,632	36,052
Manure	farms, 2022	3,543	86	22	46	4	21
	2017	3,716	71	8	26	8	39
acres treated, 2022	346,633	7,581	3,496	9,589	(D)	3,886	
	2017	325,873	6,823	600	2,734	444	3,948
Organic fertilizer	farms, 2022	323	6	-	1	2	1
	2017	1,228	29	4	29	2	16
acres treated, 2022	20,970	119	-	(D)	(D)	(D)	
	2017	94,472	1,895	714	1,918	(D)	840
Acres treated to control- Insects	farms, 2022	3,963	40	78	43	27	47
	2017	7,149	49	153	27	26	50
acres, 2022	835,544	2,498	29,643	5,134	7,409	9,276	
	2017	2,574,970	1,757	61,929	1,219	24,162	23,116
Weeds, grass, or brush	farms, 2022	20,300	210	336	204	168	193
	2017	25,735	311	329	289	139	258
acres, 2022	6,560,516	22,246	214,468	47,725	125,625	62,049	
	2017	8,799,347	36,170	195,876	68,942	178,356	107,152
Nematodes	farms, 2022	788	6	-	8	9	46
	2017	274	-	1	-	5	5
acres, 2022	271,771	13	-	96	1,505	17,749	
	2017	93,261	-	(D)	-	-	1,477
Diseases in crops and orchards	farms, 2022	1,012	8	19	7	7	17
	2017	1,656	4	89	6	10	8
acres, 2022	253,293	14	12,477	139	1,202	7,449	
	2017	735,518	108	56,082	21	4,884	4,183
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	1,789	4	2	31	4	26
	2017	821	-	7	3	2	24
acres on which used, 2022	409,915	64	(D)	8,213	1,380	15,292	
	2017	411,939	-	725	(D)	(D)	17,709

  

Item	Blaine	Bryan	Caddo	Canadian	Carter	Cherokee	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	403	336	629	553	267	241
	2017	480	505	765	677	448	319
acres treated, 2022	207,377	78,797	190,696	179,688	35,801	22,469	
	2017	274,839	63,152	226,833	228,397	68,166	28,128
Cropland fertilized, except cropland pasture	farms, 2022	338	143	429	374	95	94
	2017	395	249	522	492	172	115
acres treated, 2022	167,535	26,678	132,487	131,299	11,539	8,352	
	2017	191,930	27,173	159,651	165,116	16,474	7,458
Pastureland and rangeland fertilized	farms, 2022	169	230	335	308	198	176
	2017	272	321	417	385	329	255
acres treated, 2022	39,842	52,119	58,209	48,389	24,262	14,117	
	2017	82,909	35,979	67,182	63,281	51,692	20,670
Manure	farms, 2022	17	43	27	74	48	60
	2017	8	79	37	74	58	86
acres treated, 2022	1,104	6,053	1,006	1,542	1,663	4,944	
	2017	485	6,035	3,775	1,894	1,401	5,163
Organic fertilizer	farms, 2022	6	2	7	5	2	2
	2017	4	24	22	37	20	22
acres treated, 2022	1,800	(D)	645	242	(D)	(D)	
	2017	760	906	2,685	3,050	1,435	807
Acres treated to control- Insects	farms, 2022	57	48	157	113	43	46
	2017	161	117	246	295	115	51
acres, 2022	22,592	3,688	44,800	20,402	5,680	1,960	
	2017	101,392	14,627	78,553	88,275	15,371	4,675
Weeds, grass, or brush	farms, 2022	362	354	565	515	251	293
	2017	381	526	625	617	428	369
acres, 2022	159,224	89,609	185,052	141,369	42,567	30,456	
	2017	211,770	101,576	218,886	187,470	72,484	38,441
Nematodes	farms, 2022	4	6	37	11	3	11
	2017	3	1	18	6	4	2
acres, 2022	707	167	12,266	2,095	4	72	
	2017	1,178	(D)	11,374	1,032	52	(D)
Diseases in crops and orchards	farms, 2022	20	9	58	44	6	12
	2017	52	16	64	70	18	11
acres, 2022	10,804	1,330	16,563	10,377	172	118	
	2017	25,062	792	26,526	26,270	601	662
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	5	55	48	13	80	12
	2017	9	9	49	6	10	2
acres on which used, 2022	1,624	5,921	19,514	2,143	6,727	657	
	2017	5,028	453	26,294	301	410	(D)

--continued

**Table 40. Fertilizers and Chemicals Applied: 2022 and 2017 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Choctaw	Cimarron	Cleveland	Coal	Comanche	Cotton
Commercial fertilizer, lime, and soil conditioners .....						
farms, 2022	180	134	228	115	342	191
2017	299	171	328	145	406	233
acres treated, 2022	34,040	172,421	14,763	29,448	99,389	116,029
2017	55,313	189,164	26,891	48,536	121,122	137,962
Cropland fertilized, except cropland pasture .....						
farms, 2022	53	126	93	50	180	139
2017	103	165	159	79	221	168
acres treated, 2022	7,301	169,786	7,380	4,989	57,007	98,375
2017	12,209	182,240	9,534	16,906	67,735	100,155
Pastureland and rangeland fertilized .....						
farms, 2022	138	11	165	74	214	93
2017	243	8	227	100	262	133
acres treated, 2022	26,739	2,635	7,383	24,459	42,382	17,654
2017	43,104	6,924	17,357	31,630	53,387	37,807
Manure .....						
farms, 2022	47	15	71	27	40	5
2017	45	29	86	26	28	4
acres treated, 2022	5,374	3,529	1,359	5,514	1,586	32
2017	7,038	11,825	3,024	7,137	1,065	94
Organic fertilizer .....						
farms, 2022	2	-	1	-	11	-
2017	26	4	12	7	24	2
acres treated, 2022	(D)	-	(D)	-	220	-
2017	1,495	471	41	474	4,838	(D)
Acres treated to control-						
Insects .....						
farms, 2022	50	24	55	23	45	24
2017	81	78	89	15	83	96
acres, 2022	4,622	13,552	1,725	3,073	6,807	20,675
2017	10,232	76,579	2,815	2,407	33,281	84,161
Weeds, grass, or brush .....						
farms, 2022	211	147	216	135	311	183
2017	323	165	338	155	407	199
acres, 2022	44,045	216,473	13,911	57,093	96,832	106,551
2017	71,973	245,020	27,108	46,513	152,166	140,345
Nematodes .....						
farms, 2022	2	9	4	2	6	12
2017	-	4	7	-	2	-
acres, 2022	(D)	5,221	6	(D)	1,578	7,381
2017	-	1,242	749	-	(D)	-
Diseases in crops and orchards .....						
farms, 2022	12	4	17	4	7	7
2017	4	12	25	3	17	26
acres, 2022	467	1,745	90	84	(D)	912
2017	(D)	13,161	1,277	22	5,605	27,697
Chemicals used to control growth, thin fruit, ripen, or defoliate .....						
farms, 2022	39	7	13	18	19	15
2017	4	5	9	1	28	6
acres on which used, 2022	3,180	4,917	288	1,143	3,671	8,572
2017	32	845	82	(D)	9,934	2,480
Item	Craig	Creek	Custer	Delaware	Dewey	Ellis
Commercial fertilizer, lime, and soil conditioners .....						
farms, 2022	269	291	397	329	242	174
2017	381	346	434	394	306	221
acres treated, 2022	58,429	19,058	162,988	47,381	96,681	52,625
2017	80,232	28,654	184,019	50,804	134,522	65,153
Cropland fertilized, except cropland pasture .....						
farms, 2022	84	107	296	149	171	126
2017	123	99	347	164	230	166
acres treated, 2022	17,152	6,646	147,056	18,490	82,615	41,234
2017	19,764	5,162	158,102	17,343	78,413	40,039
Pastureland and rangeland fertilized .....						
farms, 2022	212	210	165	217	105	66
2017	299	268	176	282	153	88
acres treated, 2022	41,277	12,412	15,932	28,691	14,066	11,391
2017	60,468	23,492	25,917	33,461	56,109	25,114
Manure .....						
farms, 2022	80	78	21	177	11	10
2017	84	97	21	171	7	7
acres treated, 2022	11,689	2,653	3,852	32,287	1,684	1,007
2017	9,893	2,430	1,481	24,810	53	366
Organic fertilizer .....						
farms, 2022	9	5	7	8	-	-
2017	22	33	11	14	9	5
acres treated, 2022	258	382	959	2,006	-	-
2017	865	1,863	2,647	1,307	1,852	324
Acres treated to control-						
Insects .....						
farms, 2022	31	64	59	34	23	22
2017	49	77	147	58	60	31
acres, 2022	6,357	1,453	20,722	2,608	2,558	4,880
2017	8,622	5,229	76,458	2,837	20,004	7,769
Weeds, grass, or brush .....						
farms, 2022	252	319	339	293	191	152
2017	394	400	380	371	220	163
acres, 2022	96,001	25,078	142,373	48,233	72,045	46,639
2017	95,883	37,698	204,255	52,887	84,927	68,534
Nematodes .....						
farms, 2022	5	6	17	8	9	2
2017	-	1	8	2	6	-
acres, 2022	95	51	8,938	76	1,736	(D)
2017	-	(D)	(D)	(D)	168	-
Diseases in crops and orchards .....						
farms, 2022	3	19	19	12	9	1
2017	9	10	28	8	34	2
acres, 2022	78	904	7,417	468	1,071	(D)
2017	1,482	1,164	15,015	(D)	17,216	(D)
Chemicals used to control growth, thin fruit, ripen, or defoliate .....						
farms, 2022	17	23	32	14	7	11
2017	4	6	22	4	1	1
acres on which used, 2022	2,301	933	12,979	210	849	3,990
2017	232	550	9,574	12	(D)	(D)

--continued

**Table 40. Fertilizers and Chemicals Applied: 2022 and 2017 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Garfield	Garvin	Grady	Grant	Greer	Harmon
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	516	376	597	389	127	89
..... farms, 2017	577	431	665	453	199	174
..... acres treated, 2022	311,236	60,185	150,732	318,899	58,003	55,201
..... acres treated, 2017	342,821	74,108	155,121	317,220	84,443	108,714
Cropland fertilized, except cropland pasture ..... farms, 2022	431	169	335	372	102	68
..... farms, 2017	453	233	382	371	145	138
..... acres treated, 2022	289,405	33,833	88,350	305,591	48,071	47,181
..... acres treated, 2017	319,985	37,935	90,986	296,575	63,961	85,491
Pastureland and rangeland fertilized ..... farms, 2022	154	255	370	65	43	34
..... farms, 2017	236	263	429	127	91	67
..... acres treated, 2022	21,831	26,352	62,382	13,308	9,932	8,020
..... acres treated, 2017	22,836	36,173	64,135	20,645	20,482	23,223
Manure ..... farms, 2022	34	77	81	18	3	7
..... farms, 2017	39	69	72	6	1	10
..... acres treated, 2022	2,178	4,008	4,168	1,667	33	3,164
..... acres treated, 2017	1,197	5,155	6,982	4,180	(D)	4,688
Organic fertilizer ..... farms, 2022	-	3	9	-	-	-
..... farms, 2017	14	28	31	10	1	4
..... acres treated, 2022	-	400	1,430	-	-	-
..... acres treated, 2017	1,897	5,255	2,651	3,696	(D)	524
Acres treated to control-						
Insects ..... farms, 2022	75	67	119	81	12	14
..... farms, 2017	222	138	220	193	32	76
..... acres, 2022	49,335	12,926	15,723	43,495	2,139	6,763
..... acres, 2017	151,546	26,963	64,923	119,506	26,019	41,731
Weeds, grass, or brush ..... farms, 2022	520	334	572	391	123	76
..... farms, 2017	539	448	644	390	173	148
..... acres, 2022	293,928	74,698	153,925	299,143	54,781	79,737
..... acres, 2017	317,200	110,970	179,682	272,560	107,412	130,347
Nematodes ..... farms, 2022	16	6	24	20	15	14
..... farms, 2017	14	4	6	1	1	-
..... acres, 2022	4,571	(D)	9,904	8,555	7,802	17,371
..... acres, 2017	10,023	44	662	4,000	(D)	-
Diseases in crops and orchards ..... farms, 2022	44	14	18	38	1	-1
..... farms, 2017	100	12	30	46	6	11
..... acres, 2022	13,628	352	1,045	37,553	(D)	(D)
..... acres, 2017	80,686	746	9,391	48,564	1,897	5,462
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	12	94	24	13	16	22
..... farms, 2017	3	4	28	18	26	33
..... acres on which used, 2022	855	6,430	9,699	9,530	7,951	23,959
..... acres on which used, 2017	4,878	53	5,248	3,575	13,957	17,616

  

Item	Harper	Haskell	Hughes	Jackson	Jefferson	Johnston
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	108	128	190	324	134	153
..... farms, 2017	135	187	300	337	193	182
..... acres treated, 2022	61,493	16,681	31,316	267,428	60,931	21,811
..... acres treated, 2017	74,074	28,959	49,420	239,137	65,839	34,220
Cropland fertilized, except cropland pasture ..... farms, 2022	90	42	73	260	66	53
..... farms, 2017	104	64	132	267	104	79
..... acres treated, 2022	54,267	5,760	6,905	246,400	29,686	5,096
..... acres treated, 2017	53,127	6,402	15,869	216,368	28,363	9,101
Pastureland and rangeland fertilized ..... farms, 2022	21	97	137	99	86	117
..... farms, 2017	47	136	214	124	127	140
..... acres treated, 2022	7,226	10,921	24,411	21,028	31,245	16,715
..... acres treated, 2017	20,947	22,557	33,551	22,769	37,476	25,119
Manure ..... farms, 2022	13	25	25	11	6	7
..... farms, 2017	9	64	32	10	8	25
..... acres treated, 2022	1,846	2,211	1,699	(D)	2,710	2,631
..... acres treated, 2017	1,139	9,224	2,088	(D)	60	4,853
Organic fertilizer ..... farms, 2022	-	-	6	6	3	4
..... farms, 2017	1	13	19	13	3	14
..... acres treated, 2022	-	-	185	150	288	1,627
..... acres treated, 2017	(D)	523	1,025	669	562	860
Acres treated to control-						
Insects ..... farms, 2022	11	29	23	89	18	31
..... farms, 2017	32	27	36	151	51	31
..... acres, 2022	1,417	881	1,171	93,762	2,305	3,886
..... acres, 2017	32,229	2,765	3,908	131,770	21,291	3,215
Weeds, grass, or brush ..... farms, 2022	100	179	208	317	97	143
..... farms, 2017	109	231	320	302	145	175
..... acres, 2022	54,902	36,049	47,564	268,267	31,273	23,199
..... acres, 2017	80,105	48,229	97,919	285,229	56,788	43,807
Nematodes ..... farms, 2022	2	5	6	42	1	-
..... farms, 2017	-	1	-	-	-	1
..... acres, 2022	(D)	1,304	80	39,429	(D)	-
..... acres, 2017	-	(D)	-	-	-	(D)
Diseases in crops and orchards ..... farms, 2022	2	2	4	15	2	3
..... farms, 2017	-	4	2	49	3	3
..... acres, 2022	(D)	(D)	(D)	2,845	(D)	101
..... acres, 2017	-	52	(D)	23,901	868	(D)
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	1	10	13	51	19	62
..... farms, 2017	-	-	3	96	1	1
..... acres on which used, 2022	(D)	1,495	299	45,210	4,157	3,659
..... acres on which used, 2017	-	-	260	85,708	(D)	(D)

--continued

**Table 40. Fertilizers and Chemicals Applied: 2022 and 2017 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Kay	Kingfisher	Kiowa	Latimer	Le Flore	Lincoln	Logan
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	424	467	218	98	288	501	327
..... farms, 2017	396	606	323	156	373	664	475
..... acres treated, 2022	246,321	202,998	164,976	11,824	33,857	54,493	64,630
..... acres treated, 2017	210,153	278,328	201,711	17,372	58,091	105,410	114,975
Cropland fertilized, except cropland pasture ..... farms, 2022	338	370	183	39	83	232	156
..... farms, 2017	339	480	267	60	117	323	284
..... acres treated, 2022	232,192	168,510	149,551	2,342	8,207	17,835	41,994
..... acres treated, 2017	191,196	219,247	183,816	3,499	17,116	40,729	76,411
Pastureland and rangeland fertilized ..... farms, 2022	126	201	54	64	222	340	207
..... farms, 2017	118	308	96	128	280	473	288
..... acres treated, 2022	14,129	34,488	15,425	9,482	25,650	36,658	22,636
..... acres treated, 2017	18,957	59,081	17,895	13,873	40,975	64,681	38,564
Manure ..... farms, 2022	40	26	5	28	169	68	60
..... farms, 2017	28	22	9	32	207	93	90
..... acres treated, 2022	2,791	1,255	26	11,776	20,884	6,777	3,105
..... acres treated, 2017	1,223	2,073	1,253	2,306	26,562	7,006	6,539
Organic fertilizer ..... farms, 2022	-	2	-	4	21	5	1
..... farms, 2017	10	2	5	8	28	35	29
..... acres treated, 2022	-	(D)	-	120	708	38	(D)
..... acres treated, 2017	1,026	(D)	402	742	1,575	2,753	1,375
Acres treated to control-							
Insects ..... farms, 2022	81	74	28	19	57	86	59
..... farms, 2017	211	221	142	22	85	121	121
..... acres treated, 2022	32,209	26,922	4,321	1,632	4,390	2,751	8,754
..... acres treated, 2017	103,216	95,344	65,060	721	12,964	15,878	25,914
Weeds, grass, or brush ..... farms, 2022	410	441	217	128	338	493	319
..... farms, 2017	358	503	273	170	411	599	455
..... acres treated, 2022	269,068	165,446	153,372	19,218	40,975	58,770	65,746
..... acres treated, 2017	206,017	225,993	210,880	25,625	65,369	102,143	115,091
Nematodes ..... farms, 2022	26	5	39	2	6	9	1
..... farms, 2017	5	3	5	-	3	1	9
..... acres treated, 2022	5,242	2,285	31,872	(D)	61	(D)	(D)
..... acres treated, 2017	1,298	(D)	678	-	2,470	(D)	16
Diseases in crops and orchards ..... farms, 2022	40	13	8	4	5	11	8
..... farms, 2017	59	48	42	3	9	26	29
..... acres treated, 2022	24,197	5,826	2,067	20	155	623	7,444
..... acres treated, 2017	61,512	20,395	15,086	(D)	2,472	1,870	8,856
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	19	-	25	1	9	36	2
..... farms, 2017	7	5	34	-	1	17	4
..... acres on which used, 2022	4,687	-	30,222	(D)	375	2,532	(D)
..... acres on which used, 2017	5,468	1,719	14,957	-	(D)	4,633	92
Item	Love	McClain	McCurtain	McIntosh	Major	Marshall	Mayes
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	181	338	250	231	379	129	360
..... farms, 2017	270	397	436	299	431	180	477
..... acres treated, 2022	21,724	41,667	26,602	22,344	162,550	25,005	42,121
..... acres treated, 2017	34,520	75,103	45,953	31,254	177,170	19,056	54,323
Cropland fertilized, except cropland pasture ..... farms, 2022	87	145	90	80	291	56	147
..... farms, 2017	125	232	174	107	316	95	211
..... acres treated, 2022	6,928	19,097	11,038	5,494	133,236	6,685	17,970
..... acres treated, 2017	10,588	41,114	19,816	6,920	127,197	6,414	20,398
Pastureland and rangeland fertilized ..... farms, 2022	118	240	182	174	169	80	262
..... farms, 2017	192	241	306	227	221	107	354
..... acres treated, 2022	14,796	22,570	15,564	16,850	29,314	18,320	24,151
..... acres treated, 2017	23,932	33,989	26,137	24,334	49,973	12,642	33,925
Manure ..... farms, 2022	22	80	156	41	14	10	133
..... farms, 2017	22	49	190	47	31	12	103
..... acres treated, 2022	1,119	3,284	13,564	3,921	1,646	216	8,595
..... acres treated, 2017	501	1,369	23,077	4,703	1,324	(D)	7,717
Organic fertilizer ..... farms, 2022	5	7	15	-	2	1	7
..... farms, 2017	13	12	34	15	9	4	45
..... acres treated, 2022	42	137	448	-	(D)	(D)	208
..... acres treated, 2017	1,051	1,327	2,116	1,333	1,295	58	1,646
Acres treated to control-							
Insects ..... farms, 2022	41	79	76	44	87	32	69
..... farms, 2017	36	114	175	21	149	27	73
..... acres treated, 2022	5,048	4,534	5,090	2,588	34,459	1,253	4,484
..... acres treated, 2017	6,906	23,112	19,642	720	51,967	3,643	8,884
Weeds, grass, or brush ..... farms, 2022	167	298	268	195	339	130	369
..... farms, 2017	241	357	375	346	350	186	460
..... acres treated, 2022	19,326	42,043	35,587	27,773	139,127	23,142	51,265
..... acres treated, 2017	39,658	61,966	64,726	54,138	172,815	36,705	84,061
Nematodes ..... farms, 2022	3	2	13	5	8	6	10
..... farms, 2017	3	5	6	-	2	1	-
..... acres treated, 2022	122	(D)	790	376	2,216	2,051	205
..... acres treated, 2017	178	3,232	955	-	(D)	(D)	-
Diseases in crops and orchards ..... farms, 2022	8	11	11	12	24	7	12
..... farms, 2017	4	15	17	2	52	14	13
..... acres treated, 2022	659	447	71	291	11,401	569	315
..... acres treated, 2017	1,083	4,027	2,301	(D)	20,204	1,435	515
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	54	15	39	13	11	29	17
..... farms, 2017	1	4	3	2	7	1	2
..... acres on which used, 2022	4,188	283	4,150	1,081	2,227	4,771	532
..... acres on which used, 2017	(D)	(D)	3	(D)	1,667	(D)	(D)

--continued

**Table 40. Fertilizers and Chemicals Applied: 2022 and 2017 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Murray	Muskogee	Noble	Nowata	Okfuskee	Oklahoma	Okmulgee	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	95	324	261	149	161	313	225
	2017	122	454	380	215	309	319	338
acres treated, 2022	13,248	38,939	123,044	34,140	22,717	19,527	35,471	
	2017	23,809	58,789	149,603	54,799	46,590	21,790	44,968
Cropland fertilized, except cropland pasture	farms, 2022	40	124	180	51	69	155	104
	2017	54	156	281	77	141	168	125
acres treated, 2022	3,678	20,807	99,332	9,447	6,352	10,808	19,563	
	2017	6,098	22,113	113,291	14,140	18,919	14,184	14,813
Pastureland and rangeland fertilized	farms, 2022	64	221	122	113	110	193	157
	2017	83	345	190	161	211	197	253
acres treated, 2022	9,570	18,132	23,712	24,693	16,365	8,719	15,908	
	2017	17,711	36,676	36,312	40,659	27,671	7,606	30,155
Manure	farms, 2022	27	72	11	56	15	92	57
	2017	16	84	24	41	39	81	75
acres treated, 2022	2,060	6,406	275	5,337	652	2,072	6,049	
	2017	970	8,046	1,858	2,531	2,487	1,024	5,862
Organic fertilizer	farms, 2022	9	1	9	3	-	15	15
	2017	1	40	15	14	29	26	17
acres treated, 2022	903	(D)	300	(D)	-	491	352	
	2017	(D)	2,373	1,046	110	1,181	795	1,084
Acres treated to control- Insects	farms, 2022	22	69	50	15	21	106	43
	2017	22	93	125	54	46	105	40
acres, 2022	2,403	8,915	21,308	5,866	1,281	3,056	4,232	
	2017	4,568	12,355	59,326	9,866	6,006	13,106	9,026
Weeds, grass, or brush	farms, 2022	97	379	293	213	151	264	271
	2017	131	501	358	314	258	271	443
acres, 2022	15,558	71,306	121,106	59,273	21,087	17,503	51,004	
	2017	40,178	83,639	146,250	106,683	54,309	21,672	58,541
Nematodes	farms, 2022	4	9	14	4	6	13	5
	2017	-	6	15	1	6	6	6
acres, 2022	6	156	1,124	71	452	698	17	
	2017	-	1,558	9,996	(D)	282	111	332
Diseases in crops and orchards	farms, 2022	1	20	8	4	5	34	11
	2017	1	23	21	6	9	33	14
acres, 2022	(D)	1,085	1,818	203	(D)	662	(D)	
	2017	(D)	5,142	21,435	6	3,572	835	1,333
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	15	19	16	9	21	23	51
	2017	-	1	11	1	2	12	4
acres on which used, 2022	1,848	612	1,539	675	1,433	1,399	5,938	
	2017	-	(D)	1,407	(D)	(D)	178	(D)

  

Item	Osage	Ottawa	Pawnee	Payne	Pittsburg	Pontotoc	Pottawatomie	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	248	229	156	332	289	226	353
	2017	321	305	232	482	472	402	451
acres treated, 2022	59,272	50,558	24,961	44,991	31,341	29,492	32,489	
	2017	83,247	55,820	58,261	67,834	67,455	42,522	48,857
Cropland fertilized, except cropland pasture	farms, 2022	111	110	68	170	105	111	152
	2017	131	144	99	226	167	168	205
acres treated, 2022	23,799	34,287	10,354	16,805	7,550	8,674	15,966	
	2017	27,541	33,079	25,033	24,537	13,246	10,374	20,368
Pastureland and rangeland fertilized	farms, 2022	162	148	103	209	214	144	250
	2017	233	200	182	349	371	271	316
acres treated, 2022	35,473	16,271	14,607	28,186	23,791	20,818	16,523	
	2017	55,706	22,741	33,228	43,297	54,209	32,148	28,489
Manure	farms, 2022	49	111	20	70	56	43	79
	2017	56	74	20	81	54	52	106
acres treated, 2022	2,766	16,477	1,050	2,223	9,737	1,335	2,363	
	2017	2,970	15,600	1,561	4,260	4,871	2,256	3,679
Organic fertilizer	farms, 2022	1	5	1	9	4	-	12
	2017	23	14	6	19	43	13	7
acres treated, 2022	(D)	358	(D)	364	156	-	725	
	2017	1,636	748	121	1,805	3,240	445	331
Acres treated to control- Insects	farms, 2022	56	38	22	98	53	56	75
	2017	44	61	43	104	63	92	119
acres, 2022	5,058	8,221	1,921	5,102	3,632	2,193	3,751	
	2017	12,144	5,693	15,355	17,250	4,962	4,380	10,633
Weeds, grass, or brush	farms, 2022	364	201	164	395	327	292	306
	2017	360	255	225	496	514	416	400
acres, 2022	116,569	49,606	25,824	54,716	52,872	38,829	28,702	
	2017	220,754	64,734	58,514	87,859	90,631	50,459	51,118
Nematodes	farms, 2022	5	5	6	15	6	5	12
	2017	3	7	-	2	5	3	4
acres, 2022	18	27	(D)	214	381	(D)	78	
	2017	(D)	809	-	(D)	106	11	(D)
Diseases in crops and orchards	farms, 2022	13	13	8	23	20	7	7
	2017	14	24	4	11	10	15	14
acres, 2022	251	4,060	(D)	213	450	126	612	
	2017	5,808	4,341	(D)	(D)	473	931	1,723
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	35	31	8	17	12	64	38
	2017	4	2	-	-	11	2	7
acres on which used, 2022	1,821	5,134	733	367	394	3,476	1,499	
	2017	2,185	(D)	-	-	180	(D)	240

--continued

**Table 40. Fertilizers and Chemicals Applied: 2022 and 2017 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

Item	Pushmataha	Roger Mills	Rogers	Seminole	Sequoyah	Stephens	Texas
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	112	166	306	167	252	292	208
..... 2017	145	226	421	251	322	466	268
..... acres treated, 2022	9,947	65,933	34,467	20,296	28,729	42,479	279,277
..... 2017	29,103	84,373	62,399	24,725	43,286	75,018	314,334
Cropland fertilized, except cropland pasture ..... farms, 2022	34	105	78	75	107	138	204
..... 2017	45	150	140	88	110	176	253
..... acres treated, 2022	991	40,425	8,287	6,772	14,522	17,829	272,807
..... 2017	2,305	49,695	12,018	6,133	22,701	20,698	300,546
Pastureland and rangeland fertilized ..... farms, 2022	94	83	253	108	174	192	7
..... 2017	112	118	319	185	240	353	19
..... acres treated, 2022	8,956	25,508	26,180	13,524	14,207	24,650	6,470
..... 2017	26,798	34,678	50,381	18,592	20,585	54,320	13,788
Manure ..... farms, 2022	47	1	114	54	96	31	30
..... 2017	24	7	108	40	87	35	24
..... acres treated, 2022	2,814	(D)	4,038	7,080	5,935	1,261	14,180
..... 2017	1,488	742	3,886	1,264	6,600	924	5,575
Organic fertilizer ..... farms, 2022	10	6	3	7	11	3	-
..... 2017	7	2	33	15	30	27	2
..... acres treated, 2022	454	870	188	15	186	140	-
..... 2017	748	(D)	1,001	378	1,552	1,684	(D)
Acres treated to control-							
Insects ..... farms, 2022	23	28	77	41	49	67	50
..... 2017	26	33	79	33	97	73	126
..... acres, 2022	663	10,215	6,204	1,878	3,835	6,146	46,045
..... 2017	5,680	10,022	4,570	1,000	20,340	13,655	157,645
Weeds, grass, or brush ..... farms, 2022	141	126	373	175	230	273	208
..... 2017	189	154	496	285	314	482	264
..... acres, 2022	14,752	42,621	55,569	22,733	36,151	65,724	294,871
..... 2017	35,520	106,658	73,164	40,293	49,068	103,593	421,716
Nematodes ..... farms, 2022	-	11	10	2	9	10	20
..... 2017	-	6	-	2	1	1	13
..... acres, 2022	-	2,858	75	(D)	95	139	17,383
..... 2017	-	408	-	(D)	(D)	(D)	23,264
Diseases in crops and orchards ..... farms, 2022	-	6	15	6	23	11	14
..... 2017	-	10	15	6	13	8	39
..... acres, 2022	-	640	690	14	285	87	17,364
..... 2017	-	3,348	1,448	66	6,165	3,304	58,334
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	1	10	35	23	10	21	16
..... 2017	2	9	2	6	-	5	10
..... acres on which used, 2022	(D)	4,018	3,385	897	90	1,652	6,544
..... 2017	(D)	7,356	(D)	86	-	283	4,004

  

Item	Tillman	Tulsa	Wagoner	Washington	Washita	Woods	Woodward
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	244	165	268	120	424	297	216
..... 2017	276	215	299	183	541	364	326
..... acres treated, 2022	182,355	10,979	48,561	24,768	215,559	169,472	54,544
..... 2017	215,219	15,362	51,239	27,922	279,979	173,684	79,373
Cropland fertilized, except cropland pasture ..... farms, 2022	217	85	137	62	356	240	140
..... 2017	246	99	168	70	437	285	226
..... acres treated, 2022	170,852	7,924	34,737	18,634	181,608	141,195	37,624
..... 2017	200,526	10,914	35,634	10,487	247,772	143,446	48,950
Pastureland and rangeland fertilized ..... farms, 2022	47	84	160	62	141	94	104
..... 2017	72	129	169	147	224	139	155
..... acres treated, 2022	11,503	3,055	13,824	6,134	33,951	28,277	16,920
..... 2017	14,693	4,448	15,605	17,435	32,207	30,238	30,423
Manure ..... farms, 2022	2	79	63	19	34	20	6
..... 2017	4	39	73	36	18	30	9
..... acres treated, 2022	(D)	1,698	2,173	612	6,538	2,234	660
..... 2017	1,085	1,640	2,542	1,219	1,493	6,917	(D)
Organic fertilizer ..... farms, 2022	1	8	3	-	6	3	-
..... 2017	8	24	15	5	3	6	6
..... acres treated, 2022	(D)	458	98	-	18	720	-
..... 2017	1,181	1,351	1,769	440	(D)	923	515
Acres treated to control-							
Insects ..... farms, 2022	49	45	70	37	72	58	19
..... 2017	147	106	84	44	233	109	67
..... acres, 2022	18,293	763	5,988	2,641	24,107	14,093	3,382
..... 2017	165,856	6,836	27,204	4,857	101,297	51,976	14,055
Weeds, grass, or brush ..... farms, 2022	223	205	272	182	366	258	179
..... 2017	251	233	314	232	496	334	254
..... acres, 2022	191,977	17,569	58,626	57,288	171,661	144,448	48,583
..... 2017	275,024	20,853	75,111	65,705	265,137	206,991	85,306
Nematodes ..... farms, 2022	39	7	9	9	38	6	-
..... 2017	10	4	4	4	6	13	1
..... acres, 2022	30,921	16	351	97	17,626	1,428	-
..... 2017	1,806	(D)	280	4,080	346	3,250	(D)
Diseases in crops and orchards ..... farms, 2022	28	16	20	14	34	9	3
..... 2017	34	32	21	14	75	49	16
..... acres, 2022	13,989	135	821	2,314	10,100	1,684	(D)
..... 2017	8,400	1,324	5,467	1,230	38,274	17,819	3,139
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	78	20	31	25	54	4	-
..... 2017	127	5	3	3	71	8	-
..... acres on which used, 2022	48,215	2,791	2,418	1,785	35,459	(D)	-
..... 2017	111,050	(D)	3	320	40,294	4,533	-