

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

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

Item	Kansas	Allen	Anderson	Atchison	Barber	Barton
Commercial fertilizer, lime, and soil conditioners						
farms, 2022	29,059	196	291	338	204	338
farms, 2017	31,867	235	361	460	217	344
acres treated, 2022	18,888,520	97,844	94,362	118,365	166,157	281,732
acres treated, 2017	18,112,729	79,167	141,240	143,949	153,708	257,264
Cropland fertilized, except cropland pasture						
farms, 2022	25,877	156	230	288	179	327
farms, 2017	28,020	155	292	368	198	334
acres treated, 2022	17,967,466	81,528	80,025	102,692	158,724	278,400
acres treated, 2017	17,119,672	61,599	125,794	118,958	148,372	250,435
Pastureland and rangeland fertilized						
farms, 2022	5,882	67	120	117	50	29
farms, 2017	7,487	120	150	225	44	28
acres treated, 2022	921,054	16,316	14,337	15,673	7,433	3,332
acres treated, 2017	993,057	17,568	15,446	24,991	5,336	6,829
Manure						
farms, 2022	4,684	22	72	81	29	48
farms, 2017	4,766	37	75	77	20	55
acres treated, 2022	651,566	1,888	5,024	2,404	2,443	8,796
acres treated, 2017	603,484	1,632	6,673	5,815	969	4,188
Organic fertilizer						
farms, 2022	574	1	9	4	3	8
farms, 2017	616	-	12	11	7	6
acres treated, 2022	104,112	(D)	469	355	12	934
acres treated, 2017	120,340	-	632	6,836	1,550	252
Acres treated to control-						
Insects						
farms, 2022	7,663	66	84	96	28	100
farms, 2017	10,499	87	148	150	87	132
acres, 2022	2,939,468	26,881	27,218	20,667	26,470	36,252
acres, 2017	4,903,052	34,756	65,749	36,470	59,017	65,692
Weeds, grass, or brush						
farms, 2022	28,787	205	286	336	171	354
farms, 2017	28,650	164	311	393	200	333
acres, 2022	20,107,270	122,788	132,883	127,506	156,555	297,411
acres, 2017	21,736,980	91,801	192,009	149,144	183,642	282,034
Nematodes						
farms, 2022	1,645	10	24	20	11	12
farms, 2017	865	7	9	23	9	9
acres, 2022	435,009	7,149	2,589	2,011	11,088	3,687
acres, 2017	258,451	3,045	5,878	3,023	(D)	1,708
Diseases in crops and orchards						
farms, 2022	3,134	17	27	41	14	33
farms, 2017	4,309	12	24	39	44	70
acres, 2022	1,211,164	4,194	8,192	8,766	15,827	17,163
acres, 2017	2,373,100	4,455	6,545	6,089	53,117	33,260
Chemicals used to control growth, thin fruit, ripen, or defoliate						
farms, 2022	1,116	6	16	12	20	3
farms, 2017	425	-	-	-	10	2
acres on which used, 2022	235,216	418	870	140	10,648	(D)
acres on which used, 2017	134,339	-	-	-	5,659	(D)
Item	Bourbon	Brown	Butler	Chase	Chautauqua	Cherokee
Commercial fertilizer, lime, and soil conditioners						
farms, 2022	286	325	578	109	86	285
farms, 2017	364	377	614	124	118	426
acres treated, 2022	91,076	227,810	223,704	52,572	35,714	137,821
acres treated, 2017	91,974	211,058	233,109	42,086	29,699	157,936
Cropland fertilized, except cropland pasture						
farms, 2022	202	312	487	88	54	205
farms, 2017	219	339	534	117	44	305
acres treated, 2022	62,463	212,712	179,363	46,532	25,779	127,921
acres treated, 2017	52,015	196,274	213,353	36,453	15,790	131,955
Pastureland and rangeland fertilized						
farms, 2022	149	86	159	31	42	125
farms, 2017	229	117	129	17	79	186
acres treated, 2022	28,613	15,098	44,341	6,040	9,935	9,900
acres treated, 2017	39,959	14,784	19,756	5,633	13,909	25,981
Manure						
farms, 2022	41	52	128	37	13	74
farms, 2017	50	74	123	22	18	54
acres treated, 2022	3,561	4,328	17,956	4,558	378	15,617
acres treated, 2017	4,844	4,294	13,694	1,170	50	19,774
Organic fertilizer						
farms, 2022	3	3	24	5	1	9
farms, 2017	13	9	13	6	7	18
acres treated, 2022	289	(D)	4,304	369	(D)	1,062
acres treated, 2017	2,462	845	741	447	(D)	1,026
Acres treated to control-						
Insects						
farms, 2022	48	155	144	46	17	69
farms, 2017	74	172	215	61	10	153
acres, 2022	7,011	87,466	29,522	12,230	12,682	29,832
acres, 2017	19,859	89,533	64,437	9,500	6,382	122,299
Weeds, grass, or brush						
farms, 2022	269	317	502	119	92	261
farms, 2017	269	360	511	107	101	335
acres, 2022	75,574	248,398	228,486	72,728	43,586	166,701
acres, 2017	77,133	241,780	252,659	43,226	46,006	221,926
Nematodes						
farms, 2022	20	34	17	10	5	21
farms, 2017	3	24	26	1	-	22
acres, 2022	1,627	15,821	3,454	3,193	171	2,700
acres, 2017	383	11,322	8,838	(D)	-	14,849
Diseases in crops and orchards						
farms, 2022	9	77	57	5	7	28
farms, 2017	15	51	71	9	4	68
acres, 2022	295	44,520	11,486	2,900	3,605	6,485
acres, 2017	3,774	36,419	17,166	4,834	740	44,483
Chemicals used to control growth, thin fruit, ripen, or defoliate						
farms, 2022	16	6	13	-	1	14
farms, 2017	1	-	6	-	1	7
acres on which used, 2022	495	795	2,638	-	(D)	645
acres on which used, 2017	(D)	-	104	-	(D)	389

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

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

Item	Cheyenne	Clark	Clay	Cloud	Coffey	Comanche
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	227	102	298	246	247	88
2017	209	92	342	235	325	104
acres treated, 2022	230,339	91,990	165,300	170,573	84,676	88,036
2017	192,535	76,761	175,769	148,151	102,588	84,144
Cropland fertilized, except cropland pasture ..... farms, 2022	225	99	287	238	197	85
2017	204	89	328	227	253	102
acres treated, 2022	230,055	88,370	161,410	167,819	72,668	85,276
2017	190,566	69,552	171,099	144,944	89,649	81,448
Pastureland and rangeland fertilized ..... farms, 2022	3	6	32	22	71	5
2017	12	10	48	25	108	7
acres treated, 2022	284	3,620	3,890	2,754	12,008	2,760
2017	1,969	7,209	4,670	3,207	12,939	2,696
Manure ..... farms, 2022	31	15	46	23	36	7
2017	40	9	69	17	54	5
acres treated, 2022	4,154	1,847	4,503	2,489	1,050	409
2017	5,934	14,345	6,826	739	4,032	401
Organic fertilizer ..... farms, 2022	4	-	7	3	5	1
2017	4	1	11	2	8	-
acres treated, 2022	732	-	1,619	1,446	920	(D)
2017	1,685	(D)	516	(D)	836	-
Acres treated to control-						
Insects ..... farms, 2022	36	23	80	65	77	24
2017	77	15	155	105	124	27
acres, 2022	15,828	2,223	20,765	17,283	17,892	5,927
2017	73,435	8,854	44,220	49,726	39,251	9,458
Weeds, grass, or brush ..... farms, 2022	225	103	308	262	330	87
2017	200	85	336	226	307	95
acres, 2022	229,241	95,238	212,714	204,643	133,798	87,417
2017	237,770	131,945	229,308	179,606	149,025	102,604
Nematodes ..... farms, 2022	10	-	16	15	14	3
2017	4	-	16	5	20	2
acres, 2022	5,980	-	2,616	1,700	4,146	2,284
2017	1,190	-	4,981	(D)	6,536	(D)
Diseases in crops and orchards ..... farms, 2022	19	12	41	26	15	-
2017	61	22	79	28	30	9
acres, 2022	14,783	3,654	15,251	4,890	2,024	-
2017	41,762	15,751	25,431	10,211	8,758	2,800
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	8	1	11	11	7	14
2017	6	-	8	1	6	-
acres on which used, 2022	5,940	(D)	264	363	243	2,658
2017	4,511	-	2,189	(D)	18	-

  

Item	Cowley	Crawford	Decatur	Dickinson	Doniphan	Douglas
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	400	358	235	470	222	445
2017	473	376	194	530	289	454
acres treated, 2022	181,110	149,817	230,689	230,703	106,199	90,389
2017	155,846	143,510	155,251	255,641	114,322	92,433
Cropland fertilized, except cropland pasture ..... farms, 2022	360	233	231	430	200	334
2017	394	250	190	494	258	377
acres treated, 2022	166,383	119,428	228,438	217,228	100,722	80,626
2017	145,276	107,784	153,688	241,503	106,948	76,021
Pastureland and rangeland fertilized ..... farms, 2022	73	186	16	98	61	168
2017	122	217	10	101	96	169
acres treated, 2022	14,727	30,389	2,251	13,450	5,477	9,763
2017	10,570	35,726	1,563	14,138	7,374	16,412
Manure ..... farms, 2022	42	76	10	87	32	81
2017	36	56	19	100	40	103
acres treated, 2022	1,448	5,085	1,930	2,748	1,249	3,982
2017	920	7,333	2,249	12,291	5,084	2,894
Organic fertilizer ..... farms, 2022	6	8	4	5	1	17
2017	16	5	4	8	-	17
acres treated, 2022	386	535	1,690	37	(D)	418
2017	2,737	590	2,439	1,147	-	602
Acres treated to control-						
Insects ..... farms, 2022	76	85	40	182	121	123
2017	147	141	37	206	175	103
acres, 2022	19,238	22,050	13,129	48,754	54,280	37,251
2017	71,096	95,616	28,423	71,403	65,189	12,667
Weeds, grass, or brush ..... farms, 2022	417	299	231	473	209	389
2017	444	297	175	485	275	407
acres, 2022	210,482	170,581	226,659	234,707	111,125	121,335
2017	189,016	164,470	212,373	279,723	128,607	115,636
Nematodes ..... farms, 2022	32	10	5	23	34	26
2017	4	15	5	16	59	9
acres, 2022	11,126	945	410	3,397	9,895	2,170
2017	980	2,864	260	6,930	19,077	511
Diseases in crops and orchards ..... farms, 2022	51	13	7	71	75	56
2017	33	46	41	99	66	31
acres, 2022	16,643	1,863	1,598	19,853	40,757	22,236
2017	36,774	23,125	32,390	32,376	39,668	1,491
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	37	17	6	15	2	16
2017	19	8	6	6	1	6
acres on which used, 2022	5,814	333	1,442	1,200	(D)	536
2017	14,233	3,586	5,036	892	(D)	158

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

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

Item	Edwards	Elk	Ellis	Ellsworth	Finney	Ford
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	129	93	314	173	353	289
..... 2017	164	130	306	194	253	312
..... acres treated, 2022	187,242	23,043	183,026	85,256	450,846	332,273
..... 2017	164,727	31,976	133,027	110,480	401,574	302,418
Cropland fertilized, except cropland pasture ..... farms, 2022	129	71	301	166	353	282
..... 2017	159	92	300	189	250	307
..... acres treated, 2022	(D)	14,570	175,112	83,465	(D)	330,512
..... 2017	162,454	25,870	128,127	107,059	400,936	297,587
Pastureland and rangeland fertilized ..... farms, 2022	10	33	30	17	1	16
..... 2017	11	54	25	15	8	16
..... acres treated, 2022	(D)	8,473	7,914	1,791	(D)	1,761
..... 2017	2,273	6,106	4,900	3,421	638	4,831
Manure ..... farms, 2022	8	9	34	16	51	26
..... 2017	8	12	45	15	36	22
..... acres treated, 2022	3,447	206	1,627	1,228	24,366	21,110
..... 2017	857	1,392	3,596	671	14,699	6,142
Organic fertilizer ..... farms, 2022	6	1	14	4	4	5
..... 2017	2	4	4	-	4	2
..... acres treated, 2022	390	(D)	32	1,365	5,596	6,915
..... 2017	(D)	1,770	457	-	9,700	(D)
Acres treated to control-						
Insects ..... farms, 2022	40	15	34	70	135	60
..... 2017	69	26	60	72	168	124
..... acres, 2022	25,354	3,163	13,244	10,444	93,228	68,759
..... 2017	38,288	15,498	12,687	9,242	185,285	80,669
Weeds, grass, or brush ..... farms, 2022	140	88	360	171	362	281
..... 2017	153	119	286	185	261	291
..... acres, 2022	189,336	33,991	192,915	82,608	475,515	323,676
..... 2017	207,516	58,819	200,030	128,331	563,514	371,900
Nematodes ..... farms, 2022	10	7	12	2	13	9
..... 2017	3	2	9	2	10	4
..... acres, 2022	1,928	1,055	814	(D)	6,418	3,098
..... 2017	264	(D)	570	(D)	4,059	594
Diseases in crops and orchards ..... farms, 2022	23	2	13	11	33	34
..... 2017	42	7	33	12	89	92
..... acres, 2022	14,847	(D)	3,914	2,497	20,081	19,360
..... 2017	36,632	(D)	6,102	2,662	89,782	71,845
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	5	2	4	5	5	9
..... 2017	2	3	7	3	3	2
..... acres on which used, 2022	828	(D)	1,562	322	3,378	2,200
..... 2017	(D)	99	321	8	830	(D)
Item	Franklin	Geary	Gove	Graham	Grant	Gray
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	386	89	234	161	130	248
..... 2017	496	114	194	201	132	226
..... acres treated, 2022	92,430	38,150	292,321	138,043	136,419	292,505
..... 2017	128,322	42,249	206,378	148,163	172,590	280,075
Cropland fertilized, except cropland pasture ..... farms, 2022	283	78	233	158	125	240
..... 2017	393	103	192	200	131	224
..... acres treated, 2022	81,321	35,897	(D)	137,110	(D)	290,852
..... 2017	109,609	39,909	205,987	145,653	(D)	278,968
Pastureland and rangeland fertilized ..... farms, 2022	164	31	4	8	5	12
..... 2017	200	26	4	9	2	8
..... acres treated, 2022	11,109	2,253	(D)	933	(D)	1,653
..... 2017	18,713	2,340	391	2,510	(D)	1,107
Manure ..... farms, 2022	73	26	52	-	55	49
..... 2017	100	21	25	13	53	35
..... acres treated, 2022	3,366	1,741	8,518	-	11,406	19,612
..... 2017	6,898	1,449	3,905	931	15,889	21,572
Organic fertilizer ..... farms, 2022	10	3	3	8	-	-
..... 2017	24	1	2	1	-	1
..... acres treated, 2022	291	22	1,119	1,110	-	-
..... 2017	1,292	(D)	(D)	(D)	-	(D)
Acres treated to control-						
Insects ..... farms, 2022	87	34	38	13	64	107
..... 2017	125	49	37	62	96	146
..... acres, 2022	28,243	11,950	22,057	1,296	25,545	60,779
..... 2017	63,066	10,046	31,717	21,401	96,291	97,874
Weeds, grass, or brush ..... farms, 2022	353	97	246	172	140	254
..... 2017	432	103	181	192	129	232
..... acres, 2022	114,461	44,129	304,657	144,212	149,458	306,655
..... 2017	170,075	42,414	278,677	181,587	210,669	360,969
Nematodes ..... farms, 2022	22	3	8	1	12	15
..... 2017	4	1	5	3	3	12
..... acres, 2022	1,900	757	2,692	(D)	3,182	5,517
..... 2017	1,664	(D)	340	210	1,722	2,533
Diseases in crops and orchards ..... farms, 2022	38	5	28	7	15	38
..... 2017	24	5	37	31	28	59
..... acres, 2022	17,512	753	7,980	2,838	6,299	27,835
..... 2017	4,718	1,442	33,626	13,278	29,851	49,024
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	20	4	6	-	6	7
..... 2017	8	-	-	1	8	5
..... acres on which used, 2022	1,298	40	2,448	-	967	2,607
..... 2017	77	-	-	(D)	3,861	745

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

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

Item	Greeley	Greenwood	Hamilton	Harper	Harvey	Haskell	Hodgeman
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	177	206	148	276	400	132	247
..... 2017	136	231	119	296	470	146	198
..... acres treated, 2022	261,021	107,173	211,952	232,627	230,688	202,444	195,250
..... 2017	181,054	56,930	132,739	236,186	233,078	201,870	185,070
Cropland fertilized, except cropland pasture ..... farms, 2022	177	164	145	272	384	126	239
..... 2017	136	184	118	279	443	145	191
..... acres treated, 2022	(D)	58,840	(D)	226,313	229,265	200,044	183,831
..... 2017	(D)	38,451	(D)	228,362	229,283	200,952	181,104
Pastureland and rangeland fertilized ..... farms, 2022	1	73	3	12	46	6	15
..... 2017	1	69	2	31	66	4	14
..... acres treated, 2022	(D)	48,333	(D)	6,314	1,423	2,400	11,419
..... 2017	(D)	18,479	(D)	7,824	3,795	918	3,966
Manure ..... farms, 2022	12	41	26	12	100	22	22
..... 2017	10	34	29	18	81	31	19
..... acres treated, 2022	6,955	3,746	20,508	1,525	15,346	12,399	6,247
..... 2017	5,637	1,511	21,465	1,565	6,041	15,471	2,921
Organic fertilizer ..... farms, 2022	-	1	1	4	9	-	8
..... 2017	3	3	5	4	5	-	3
..... acres treated, 2022	-	(D)	(D)	7,306	862	-	908
..... 2017	960	174	1,320	276	629	-	(D)
Acres treated to control-							
Insects ..... farms, 2022	40	67	22	46	107	66	38
..... 2017	42	67	50	143	214	107	59
..... acres, 2022	28,874	21,030	8,354	9,160	34,588	76,686	15,701
..... 2017	37,829	21,484	45,189	90,104	63,004	103,658	19,988
Weeds, grass, or brush ..... farms, 2022	212	226	175	259	401	128	256
..... 2017	135	253	128	267	415	144	192
..... acres, 2022	271,098	126,081	252,743	207,224	244,222	205,859	198,783
..... 2017	258,760	106,249	207,326	241,667	242,774	238,916	197,712
Nematodes ..... farms, 2022	3	15	-	12	18	17	7
..... 2017	1	6	1	8	15	2	3
..... acres, 2022	285	767	-	9,308	3,235	8,989	2,448
..... 2017	(D)	1,740	(D)	494	3,805	(D)	331
Diseases in crops and orchards ..... farms, 2022	4	28	-	19	67	27	11
..... 2017	13	15	14	40	114	58	34
..... acres, 2022	(D)	2,935	-	18,334	18,490	16,720	3,543
..... 2017	14,615	3,274	29,826	23,911	42,549	46,720	19,156
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	3	14	3	12	21	14	1
..... 2017	-	2	-	20	3	5	2
..... acres on which used, 2022	2,550	482	7,689	9,766	6,979	3,909	(D)
..... 2017	-	(D)	-	9,084	(D)	2,248	(D)
Item	Jackson	Jefferson	Jewell	Johnson	Kearny	Kingman	Kiowa
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	478	408	285	237	188	358	142
..... 2017	572	562	300	272	137	382	166
..... acres treated, 2022	105,803	78,262	228,857	21,120	240,059	176,914	104,708
..... 2017	132,990	109,046	225,272	38,004	175,088	208,837	152,563
Cropland fertilized, except cropland pasture ..... farms, 2022	379	279	274	140	185	337	138
..... 2017	421	436	291	212	137	369	158
..... acres treated, 2022	68,782	55,732	218,325	16,741	239,819	164,862	104,187
..... 2017	98,260	84,971	220,263	32,255	(D)	204,698	150,350
Pastureland and rangeland fertilized ..... farms, 2022	244	204	28	117	3	34	7
..... 2017	289	273	34	102	2	28	17
..... acres treated, 2022	37,021	22,530	10,532	4,379	240	12,052	521
..... 2017	34,730	24,075	5,009	5,749	(D)	4,139	2,213
Manure ..... farms, 2022	117	87	30	86	36	33	4
..... 2017	95	111	40	46	16	34	6
..... acres treated, 2022	7,550	3,364	4,296	1,892	13,498	949	181
..... 2017	4,816	2,576	2,782	3,172	8,759	2,108	1,240
Organic fertilizer ..... farms, 2022	3	6	2	17	1	4	1
..... 2017	10	21	3	19	-	6	-
..... acres treated, 2022	(D)	314	(D)	596	(D)	1,200	(D)
..... 2017	692	1,465	710	903	-	597	-
Acres treated to control-							
Insects ..... farms, 2022	135	97	83	56	64	57	39
..... 2017	73	108	81	63	64	150	58
..... acres, 2022	26,237	12,742	33,395	2,716	57,851	9,857	17,982
..... 2017	24,708	33,193	16,569	10,477	37,401	41,564	33,060
Weeds, grass, or brush ..... farms, 2022	409	371	294	189	186	338	140
..... 2017	433	471	281	211	131	347	156
..... acres, 2022	94,769	77,070	234,157	21,860	250,924	160,131	107,661
..... 2017	123,252	100,164	252,232	35,815	249,580	173,568	162,923
Nematodes ..... farms, 2022	41	25	15	24	12	16	10
..... 2017	4	17	6	5	1	15	-
..... acres, 2022	2,365	1,801	2,633	887	7,700	4,961	2,649
..... 2017	873	2,365	2,972	(D)	(D)	2,164	-
Diseases in crops and orchards ..... farms, 2022	34	43	21	26	15	23	27
..... 2017	16	25	40	14	38	43	53
..... acres, 2022	3,975	4,395	7,468	906	7,390	5,524	7,152
..... 2017	3,368	4,275	21,988	1,079	54,441	31,003	38,231
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	8	17	2	13	3	21	6
..... 2017	-	1	1	-	1	10	7
..... acres on which used, 2022	57	(D)	(D)	177	290	5,251	2,125
..... 2017	-	(D)	(D)	-	(D)	3,890	4,830

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

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

Item	Labette	Lane	Leavenworth	Lincoln	Linn	Logan	Lyon
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	387	189	436	144	315	162	371
..... farms, 2017	515	123	609	223	387	166	425
..... acres treated, 2022	180,018	192,946	63,965	89,883	64,205	187,804	91,993
..... acres treated, 2017	199,000	143,381	82,223	141,275	77,278	174,474	110,215
Cropland fertilized, except cropland pasture ..... farms, 2022	227	189	321	138	204	162	294
..... farms, 2017	302	123	447	215	252	163	360
..... acres treated, 2022	127,155	192,418	49,824	86,848	46,645	187,804	76,628
..... acres treated, 2017	144,233	(D)	59,241	130,169	58,317	(D)	101,873
Pastureland and rangeland fertilized ..... farms, 2022	240	5	202	16	150	-	104
..... farms, 2017	312	2	315	30	190	3	108
..... acres treated, 2022	52,863	528	14,141	3,035	17,560	-	15,365
..... acres treated, 2017	54,767	(D)	22,982	11,106	18,961	(D)	8,342
Manure ..... farms, 2022	98	22	125	8	63	30	58
..... farms, 2017	62	16	109	8	39	26	70
..... acres treated, 2022	14,537	10,352	20,227	268	5,898	6,097	4,293
..... acres treated, 2017	8,036	3,464	3,684	346	3,793	10,316	1,654
Organic fertilizer ..... farms, 2022	7	3	25	1	8	10	12
..... farms, 2017	6	-	22	4	9	3	4
..... acres treated, 2022	1,808	7,266	1,122	(D)	388	3,400	1,083
..... acres treated, 2017	341	-	2,161	(D)	343	564	461
Acres treated to control- Insects ..... farms, 2022	69	20	120	33	53	24	92
..... farms, 2017	161	15	130	60	58	45	117
..... acres, 2022	22,273	12,718	10,600	5,850	28,447	12,968	17,723
..... acres, 2017	92,325	12,144	22,666	13,806	35,827	28,434	56,590
Weeds, grass, or brush ..... farms, 2022	327	192	387	156	289	179	382
..... farms, 2017	367	118	474	206	288	160	430
..... acres, 2022	172,264	203,517	62,378	102,704	105,826	196,858	160,425
..... acres, 2017	188,843	221,028	80,996	156,236	115,435	228,852	204,266
Nematodes ..... farms, 2022	15	11	31	6	10	7	21
..... farms, 2017	6	-	19	-	15	2	8
..... acres, 2022	4,694	4,000	833	934	4,658	3,985	4,155
..... acres, 2017	117	-	2,439	-	12,745	(D)	1,162
Diseases in crops and orchards ..... farms, 2022	36	15	58	7	28	7	27
..... farms, 2017	46	14	36	21	12	28	21
..... acres, 2022	10,992	8,277	1,223	3,708	13,224	1,919	2,722
..... acres, 2017	12,562	5,384	4,685	11,259	(D)	12,285	8,717
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	11	1	22	4	13	3	11
..... farms, 2017	4	3	6	-	5	3	2
..... acres on which used, 2022	754	(D)	197	320	159	960	162
..... acres on which used, 2017	(D)	245	9	-	487	1,944	(D)
Item	McPherson	Marion	Marshall	Meade	Miami	Mitchell	Montgomery
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	689	513	533	203	597	246	277
..... farms, 2017	659	579	589	217	749	260	351
..... acres treated, 2022	399,444	259,344	226,448	245,449	117,207	233,296	121,132
..... acres treated, 2017	340,093	237,076	242,180	208,184	124,284	228,670	129,034
Cropland fertilized, except cropland pasture ..... farms, 2022	664	484	501	199	391	242	171
..... farms, 2017	638	542	553	203	515	249	195
..... acres treated, 2022	396,015	249,703	212,235	244,838	79,209	224,634	101,186
..... acres treated, 2017	335,328	226,985	228,894	207,896	88,503	218,673	102,454
Pastureland and rangeland fertilized ..... farms, 2022	54	90	105	7	322	22	155
..... farms, 2017	67	109	122	15	417	33	207
..... acres treated, 2022	3,429	9,641	14,213	611	37,998	8,662	19,946
..... acres treated, 2017	4,765	10,091	13,286	328	35,781	9,997	26,580
Manure ..... farms, 2022	131	123	64	19	130	24	37
..... farms, 2017	102	145	80	32	135	30	54
..... acres treated, 2022	11,259	9,537	3,759	4,865	15,350	3,670	7,165
..... acres treated, 2017	12,197	12,369	6,332	7,874	11,306	2,074	8,191
Organic fertilizer ..... farms, 2022	9	10	9	1	33	-	2
..... farms, 2017	9	9	13	-	25	-	20
..... acres treated, 2022	1,114	862	681	(D)	937	-	(D)
..... acres treated, 2017	1,452	283	2,114	-	735	-	2,960
Acres treated to control- Insects ..... farms, 2022	174	141	155	83	155	58	74
..... farms, 2017	223	243	97	112	117	66	113
..... acres, 2022	46,883	48,259	47,430	70,039	43,818	39,053	37,661
..... acres, 2017	55,683	73,838	31,442	107,853	49,851	21,781	60,238
Weeds, grass, or brush ..... farms, 2022	627	499	522	202	471	260	291
..... farms, 2017	611	491	537	188	536	257	317
..... acres, 2022	388,744	275,156	265,724	258,742	116,290	256,302	135,046
..... acres, 2017	332,231	283,154	308,206	234,355	132,754	253,762	170,484
Nematodes ..... farms, 2022	38	25	37	6	40	4	12
..... farms, 2017	19	12	23	5	18	4	5
..... acres, 2022	8,504	5,896	11,370	(D)	12,270	5,364	842
..... acres, 2017	9,601	1,076	8,108	2,723	5,451	564	762
Diseases in crops and orchards ..... farms, 2022	111	62	68	32	55	29	34
..... farms, 2017	109	94	15	35	45	31	23
..... acres, 2022	47,763	17,670	18,846	22,931	17,417	16,969	5,716
..... acres, 2017	53,618	26,371	1,432	24,607	8,179	20,759	15,135
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	25	10	13	9	20	4	14
..... farms, 2017	2	1	-	1	12	-	3
..... acres on which used, 2022	3,949	988	994	1,953	828	93	498
..... acres on which used, 2017	(D)	(D)	-	(D)	103	-	11

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

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

Item	Morris	Morton	Nemaha	Neosho	Ness	Norton	Osage
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	206	134	617	296	314	186	386
..... farms, 2017	262	112	644	346	250	200	507
..... acres treated, 2022	83,839	166,777	231,660	144,785	249,494	175,688	110,297
..... acres treated, 2017	90,763	123,774	225,330	142,072	203,319	191,489	121,437
Cropland fertilized, except cropland pasture ..... farms, 2022	186	131	554	195	310	184	311
..... farms, 2017	236	106	564	223	248	199	427
..... acres treated, 2022	74,329	166,101	213,638	95,324	245,323	175,274	98,109
..... acres treated, 2017	85,622	122,660	198,416	88,334	197,258	188,755	107,862
Pastureland and rangeland fertilized ..... farms, 2022	56	3	198	149	15	7	147
..... farms, 2017	60	7	222	199	15	9	176
..... acres treated, 2022	9,510	676	18,022	49,461	4,171	414	12,188
..... acres treated, 2017	5,141	1,114	26,914	53,738	6,061	2,734	13,575
Manure ..... farms, 2022	39	6	173	58	1	15	57
..... farms, 2017	57	8	166	75	5	25	57
..... acres treated, 2022	2,979	569	20,001	6,025	(D)	1,197	2,476
..... acres treated, 2017	2,799	811	14,266	13,784	345	3,236	1,259
Organic fertilizer ..... farms, 2022	1	-	8	6	2	-	6
..... farms, 2017	3	1	6	8	4	-	8
..... acres treated, 2022	(D)	-	480	431	(D)	-	466
..... acres treated, 2017	435	(D)	883	509	1,226	-	867
Acres treated to control-							
Insects ..... farms, 2022	64	14	230	64	21	29	99
..... farms, 2017	84	50	126	116	31	46	128
..... acres, 2022	15,765	9,791	95,606	16,358	5,847	9,544	24,259
..... acres, 2017	26,084	51,098	43,322	82,986	6,107	23,163	35,591
Weeds, grass, or brush ..... farms, 2022	195	153	569	248	335	182	438
..... farms, 2017	250	108	565	258	254	194	491
..... acres, 2022	117,760	198,167	264,812	124,155	255,647	176,436	146,378
..... acres, 2017	126,945	198,214	245,327	140,044	235,806	216,713	198,016
Nematodes ..... farms, 2022	7	19	48	19	6	6	22
..... farms, 2017	6	1	12	8	3	4	19
..... acres, 2022	3,302	7,273	20,117	1,312	2,762	1,937	2,807
..... acres, 2017	990	(D)	3,072	251	(D)	881	5,885
Diseases in crops and orchards ..... farms, 2022	11	3	95	34	20	10	27
..... farms, 2017	21	14	47	33	44	21	31
..... acres, 2022	4,502	(D)	43,900	3,475	5,100	1,862	9,589
..... acres, 2017	8,073	7,805	11,410	11,089	10,494	4,123	8,570
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	6	4	4	11	5	1	15
..... farms, 2017	2	4	1	2	4	1	1
..... acres on which used, 2022	876	2,761	(D)	267	592	(D)	173
..... acres on which used, 2017	(D)	772	(D)	(D)	(D)	(D)	(D)
Item	Osborne	Ottawa	Pawnee	Phillips	Pottawatomie	Pratt	Rawlins
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	195	217	203	228	345	254	212
..... farms, 2017	207	252	192	265	376	256	206
..... acres treated, 2022	173,757	148,586	251,477	176,128	90,003	327,173	263,542
..... acres treated, 2017	132,181	184,011	220,758	165,249	84,467	258,368	211,154
Cropland fertilized, except cropland pasture ..... farms, 2022	193	213	201	225	298	249	211
..... farms, 2017	206	249	191	262	320	251	204
..... acres treated, 2022	172,083	147,606	251,367	164,941	77,668	326,039	258,209
..... acres treated, 2017	130,487	175,516	219,198	156,081	74,064	255,793	210,046
Pastureland and rangeland fertilized ..... farms, 2022	7	8	5	13	96	17	16
..... farms, 2017	15	38	7	17	106	18	7
..... acres treated, 2022	1,674	980	110	11,187	12,335	1,134	5,333
..... acres treated, 2017	1,694	8,495	1,560	9,168	10,403	2,575	1,108
Manure ..... farms, 2022	17	30	13	21	79	24	9
..... farms, 2017	11	20	17	43	73	11	26
..... acres treated, 2022	2,996	1,443	1,827	1,525	3,124	10,108	1,034
..... acres treated, 2017	2,818	1,482	2,526	2,716	4,699	2,372	1,871
Organic fertilizer ..... farms, 2022	4	-	1	5	11	2	8
..... farms, 2017	1	-	3	5	10	2	2
..... acres treated, 2022	3,000	-	(D)	481	2,946	(D)	2,442
..... acres treated, 2017	(D)	-	560	468	1,010	(D)	(D)
Acres treated to control-							
Insects ..... farms, 2022	31	59	56	40	96	88	26
..... farms, 2017	53	103	71	69	125	106	51
..... acres, 2022	6,453	16,302	62,312	4,698	15,660	80,917	6,896
..... acres, 2017	14,108	21,117	50,898	16,311	15,868	62,052	36,756
Weeds, grass, or brush ..... farms, 2022	205	230	207	227	375	259	208
..... farms, 2017	201	233	197	247	362	243	207
..... acres, 2022	188,591	189,675	246,873	186,366	111,624	290,719	263,077
..... acres, 2017	186,909	220,753	277,696	219,271	136,246	249,329	263,189
Nematodes ..... farms, 2022	9	9	8	10	25	26	5
..... farms, 2017	3	5	3	-	14	4	-
..... acres, 2022	660	4,073	4,107	1,077	3,187	13,089	179
..... acres, 2017	291	1,548	71	-	2,621	1,560	-
Diseases in crops and orchards ..... farms, 2022	19	21	14	10	44	40	12
..... farms, 2017	18	50	76	33	17	56	71
..... acres, 2022	3,143	3,971	10,718	1,317	6,345	41,591	8,760
..... acres, 2017	4,141	18,931	52,636	10,669	1,191	40,914	62,750
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	3	7	5	2	15	46	12
..... farms, 2017	1	4	4	-	1	41	5
..... acres on which used, 2022	515	434	3,957	(D)	451	23,899	2,034
..... acres on which used, 2017	(D)	-	952	-	(D)	17,614	1,231

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

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

Item	Reno	Republic	Rice	Riley	Rooks	Rush	Russell
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	690	306	234	224	264	264	208
2017	762	396	275	271	237	227	215
acres treated, 2022	402,005	174,737	231,234	52,478	200,912	157,849	131,480
2017	416,488	210,685	231,253	59,998	200,630	184,553	142,820
Cropland fertilized, except cropland pasture ..... farms, 2022	642	293	233	194	259	261	201
2017	715	372	260	237	232	227	202
acres treated, 2022	395,417	166,632	228,704	49,078	198,487	155,959	128,743
2017	407,989	205,091	225,151	56,141	190,841	177,600	137,193
Pastureland and rangeland fertilized ..... farms, 2022	82	38	6	50	14	20	14
2017	91	52	38	74	18	13	18
acres treated, 2022	6,588	8,105	2,530	3,400	2,425	1,890	2,737
2017	8,499	5,594	6,102	3,857	9,789	6,953	5,627
Manure ..... farms, 2022	150	43	44	55	16	33	12
2017	175	44	40	48	15	34	31
acres treated, 2022	10,933	1,754	7,364	4,007	1,664	2,299	646
2017	11,370	1,949	7,034	3,323	2,197	3,734	2,195
Organic fertilizer ..... farms, 2022	6	1	4	3	2	24	1
2017	15	3	-	-	2	7	-
acres treated, 2022	404	(D)	(D)	102	(D)	1,826	(D)
2017	2,489	377	-	-	(D)	1,485	-
Acres treated to control-							
Insects ..... farms, 2022	233	99	70	62	52	36	44
2017	359	110	97	101	64	45	44
acres, 2022	57,366	45,449	18,670	8,850	11,766	13,196	7,362
2017	118,409	39,184	40,756	19,040	13,647	10,470	7,011
Weeds, grass, or brush ..... farms, 2022	695	306	248	208	274	265	241
2017	691	379	237	253	236	234	191
acres, 2022	424,275	195,646	239,864	67,973	209,433	156,514	134,814
2017	412,009	254,485	299,492	75,600	243,878	206,411	205,451
Nematodes ..... farms, 2022	39	30	13	25	8	8	8
2017	32	14	3	6	8	6	2
acres, 2022	6,858	12,161	1,334	5,162	2,712	1,374	480
2017	6,018	2,762	(D)	441	2,978	624	(D)
Diseases in crops and orchards ..... farms, 2022	94	67	39	19	25	20	11
2017	177	69	60	19	32	48	10
acres, 2022	51,912	18,577	17,957	4,424	7,837	2,236	2,451
2017	95,723	25,796	47,820	3,127	26,606	22,234	2,568
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	55	9	14	8	10	8	-
2017	11	2	2	2	-	-	-
acres on which used, 2022	10,132	741	2,502	226	3,288	2,353	-
2017	4,381	(D)	(D)	(D)	-	-	-

  

Item	Saline	Scott	Sedgwick	Seward	Shawnee	Sheridan	Sherman
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	291	157	693	102	304	208	235
2017	355	139	741	96	359	262	221
acres treated, 2022	155,166	284,893	307,598	174,665	58,935	190,676	366,444
2017	167,525	235,785	290,893	154,985	74,315	249,133	323,522
Cropland fertilized, except cropland pasture ..... farms, 2022	275	157	653	100	240	208	230
2017	342	132	697	92	273	260	217
acres treated, 2022	152,750	284,893	302,364	173,983	53,765	(D)	(D)
2017	161,058	234,310	286,475	151,648	68,120	246,015	(D)
Pastureland and rangeland fertilized ..... farms, 2022	27	-	83	3	91	1	5
2017	37	8	90	8	115	8	6
acres treated, 2022	2,416	-	5,234	682	5,170	(D)	(D)
2017	6,467	1,475	4,418	3,337	6,195	3,118	(D)
Manure ..... farms, 2022	32	40	92	26	35	41	15
2017	63	31	148	13	55	22	8
acres treated, 2022	6,716	35,849	4,459	16,952	844	5,199	3,768
2017	3,029	40,615	7,588	6,951	1,700	5,603	2,864
Organic fertilizer ..... farms, 2022	4	11	12	1	14	2	-
2017	5	5	9	4	10	2	1
acres treated, 2022	362	3,570	1,252	(D)	868	(D)	-
2017	(D)	3,333	2,386	156	190	(D)	(D)
Acres treated to control-							
Insects ..... farms, 2022	69	34	203	42	95	46	96
2017	108	42	301	65	80	120	64
acres, 2022	10,947	10,885	46,400	44,679	7,964	17,719	64,578
2017	22,573	30,323	88,862	76,539	21,700	68,550	56,538
Weeds, grass, or brush ..... farms, 2022	311	161	664	97	369	214	242
2017	307	146	609	93	322	234	215
acres, 2022	173,200	302,106	320,289	176,860	71,743	197,756	365,581
2017	170,931	313,791	291,375	160,000	91,481	273,802	362,613
Nematodes ..... farms, 2022	11	10	61	14	13	8	11
2017	9	2	27	7	21	2	4
acres, 2022	1,439	506	10,055	8,292	723	1,536	2,520
2017	1,728	(D)	8,269	1,805	2,556	(D)	873
Diseases in crops and orchards ..... farms, 2022	28	23	88	16	26	25	22
2017	29	34	129	28	20	68	66
acres, 2022	5,988	8,911	25,725	8,318	2,671	7,248	25,466
2017	21,554	39,485	52,797	19,759	3,208	33,075	44,263
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	5	14	49	11	10	1	2
2017	5	1	11	2	4	2	3
acres on which used, 2022	(D)	1,999	8,559	7,858	48	(D)	(D)
2017	1,431	(D)	3,613	(D)	4	(D)	677

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

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

Item	Smith	Stafford	Stanton	Stevens	Sumner	Thomas	Trego	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	329	227	123	144	627	291	232
	2017	303	250	121	140	621	291	183
	acres treated, 2022	265,313	216,877	197,983	224,260	519,446	412,040	172,098
	2017	264,952	208,314	191,014	231,021	505,370	382,902	151,567
Cropland fertilized, except cropland pasture	farms, 2022	327	217	123	138	611	286	223
	2017	301	247	119	131	595	288	183
	acres treated, 2022	262,005	216,088	197,983	223,852	515,300	405,488	167,721
	2017	259,785	206,684	190,358	227,865	499,229	382,084	149,840
Pastureland and rangeland fertilized	farms, 2022	18	16	-	6	43	25	12
	2017	18	7	-	14	73	6	10
	acres treated, 2022	3,308	789	-	408	4,146	6,552	4,377
	2017	5,167	1,630	656	3,156	6,141	818	1,727
Manure	farms, 2022	27	51	18	20	39	20	14
	2017	22	14	18	8	41	31	11
	acres treated, 2022	1,629	11,024	6,608	6,082	3,983	3,120	1,016
	2017	4,435	9,063	7,336	2,422	3,861	5,180	1,060
Organic fertilizer	farms, 2022	-	2	1	2	7	2	-
	2017	1	9	3	-	10	6	1
	acres treated, 2022	-	(D)	(D)	(D)	2,021	(D)	-
	2017	(D)	234	306	-	3,139	5,405	(D)
Acres treated to control- Insects	farms, 2022	73	78	38	63	168	95	20
	2017	75	135	65	104	292	119	35
	acres, 2022	26,816	43,359	23,218	79,243	60,988	46,791	10,797
	2017	31,174	66,662	69,201	119,688	154,968	76,020	27,020
Weeds, grass, or brush	farms, 2022	324	211	124	140	636	314	245
	2017	295	224	109	138	553	288	184
	acres, 2022	318,661	211,754	214,442	218,307	526,645	423,160	168,713
	2017	314,497	247,838	234,392	297,408	479,970	424,325	188,642
Nematodes	farms, 2022	7	19	6	15	66	15	4
	2017	5	14	1	6	11	15	-
	acres, 2022	1,551	4,484	120	7,748	28,598	7,275	1,184
	2017	1,119	6,074	(D)	2,491	9,294	3,270	-
Diseases in crops and orchards	farms, 2022	41	32	9	16	78	39	13
	2017	40	80	22	31	108	90	22
	acres, 2022	16,014	13,822	2,820	19,497	35,529	26,506	9,017
	2017	14,786	41,641	21,561	28,082	86,422	52,639	6,603
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	7	3	7	15	71	9	1
	2017	3	2	-	19	41	6	1
	acres on which used, 2022	1,189	814	(D)	10,027	33,006	3,276	(D)
	2017	(D)	(D)	-	12,895	11,507	813	(D)

  

Item	Wabaunsee	Wallace	Washington	Wichita	Wilson	Woodson	Wyandotte	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	295	154	413	186	185	124	39
	2017	323	125	474	151	235	148	47
	acres treated, 2022	68,856	238,917	182,117	252,302	114,552	70,203	2,734
	2017	67,237	164,024	214,108	174,173	126,070	62,215	6,591
Cropland fertilized, except cropland pasture	farms, 2022	247	148	390	186	159	93	30
	2017	266	125	450	148	201	111	23
	acres treated, 2022	47,668	238,887	173,823	252,302	105,707	61,836	2,155
	2017	48,640	(D)	206,113	174,067	110,695	48,205	5,780
Pastureland and rangeland fertilized	farms, 2022	97	6	62	-	51	51	12
	2017	115	1	74	4	105	64	31
	acres treated, 2022	21,188	30	8,294	-	8,845	8,367	579
	2017	18,597	(D)	7,995	106	15,375	14,010	811
Manure	farms, 2022	51	15	101	36	46	19	9
	2017	53	9	106	42	20	39	15
	acres treated, 2022	3,262	3,417	8,177	21,117	12,574	1,488	(D)
	2017	2,818	1,572	8,079	20,723	2,785	3,058	104
Organic fertilizer	farms, 2022	10	1	18	9	2	1	4
	2017	12	2	5	15	5	2	-
	acres treated, 2022	265	(D)	1,529	4,472	(D)	(D)	12
	2017	2,182	(D)	1,046	11,012	609	(D)	-
Acres treated to control- Insects	farms, 2022	68	29	109	57	67	31	19
	2017	65	49	109	34	114	61	12
	acres, 2022	8,279	16,904	24,013	21,391	49,291	37,599	732
	2017	5,446	26,916	22,542	16,188	74,087	66,432	1,843
Weeds, grass, or brush	farms, 2022	287	153	419	199	184	122	26
	2017	298	119	439	152	211	138	21
	acres, 2022	62,390	225,704	215,867	267,342	146,319	82,611	4,294
	2017	79,819	198,680	282,403	261,042	164,217	103,987	6,499
Nematodes	farms, 2022	7	3	24	20	10	6	1
	2017	5	5	8	3	3	3	3
	acres, 2022	880	675	5,046	7,573	1,391	(D)	(D)
	2017	1,040	3,925	1,958	1,095	27	2,237	1,805
Diseases in crops and orchards	farms, 2022	19	18	68	13	31	16	16
	2017	9	23	50	29	19	7	-
	acres, 2022	3,444	12,468	24,546	3,526	18,381	8,125	979
	2017	1,694	11,949	15,437	14,794	11,039	3,965	-
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	9	5	18	2	3	4	7
	2017	5	1	2	3	-	-	-
	acres on which used, 2022	259	1,223	867	(D)	(D)	32	30
	2017	1,050	(D)	(D)	331	-	-	-