

Table 40. Fertilizers and Chemicals Applied: 2022 and 2017

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

Item	Minnesota	Aitkin	Anoka	Becker	Beltrami	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	34,208	110	159	340	194
	2017	37,969	113	169	367	190
acres treated, 2022	14,076,782	14,094	14,451	150,619	42,495	42,495
	2017	14,641,179	15,984	19,859	144,958	44,288
Cropland fertilized, except cropland pasture	farms, 2022	33,266	107	149	317	185
	2017	37,001	102	146	357	182
acres treated, 2022	14,003,664	13,502	14,298	148,419	41,718	41,718
	2017	14,550,746	14,775	19,691	142,338	42,862
Pastureland and rangeland fertilized	farms, 2022	2,136	15	23	38	18
	2017	2,636	20	33	41	24
acres treated, 2022	73,118	592	153	2,200	777	777
	2017	90,433	1,209	168	2,620	1,426
Manure	farms, 2022	13,721	105	61	192	88
	2017	16,229	90	72	190	105
acres treated, 2022	1,453,615	3,149	578	13,665	5,594	5,594
	2017	1,690,674	3,762	926	12,964	4,497
Organic fertilizer	farms, 2022	1,053	14	7	7	5
	2017	1,123	11	4	8	6
acres treated, 2022	135,551	396	96	(D)	28	28
	2017	139,319	194	11	247	(D)
Acres treated to control- Insects	farms, 2022	13,847	26	35	103	54
	2017	18,339	10	30	160	53
acres, 2022	5,229,304	5,580	5,452	48,070	16,979	16,979
	2017	7,867,716	6,652	5,453	82,942	20,217
Weeds, grass, or brush	farms, 2022	34,397	70	112	337	180
	2017	34,699	55	111	319	114
acres, 2022	17,661,145	9,133	13,527	200,608	38,720	38,720
	2017	18,000,973	13,258	21,942	180,020	31,921
Nematodes	farms, 2022	3,288	7	5	30	10
	2017	2,707	2	2	15	-
acres, 2022	977,113	1,342	(D)	9,845	2,530	2,530
	2017	786,555	(D)	(D)	5,945	-
Diseases in crops and orchards	farms, 2022	5,080	6	12	51	7
	2017	4,417	5	18	61	12
acres, 2022	2,350,398	148	632	23,100	5,429	5,429
	2017	2,183,439	(D)	261	35,403	5,514
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	1,762	5	8	28	4
	2017	655	3	8	5	1
acres on which used, 2022	318,341	146	(D)	5,128	43	43
	2017	182,352	12	25	(D)	(D)
Item	Benton	Big Stone	Blue Earth	Brown	Carlton	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	340	245	659	685	149
	2017	458	278	609	739	180
acres treated, 2022	75,073	156,481	311,250	191,241	9,631	9,631
	2017	99,805	160,985	236,984	213,124	10,104
Cropland fertilized, except cropland pasture	farms, 2022	330	237	649	680	140
	2017	437	273	599	736	160
acres treated, 2022	74,710	156,417	310,764	191,153	9,146	9,146
	2017	99,011	160,780	236,723	212,997	9,448
Pastureland and rangeland fertilized	farms, 2022	26	8	19	8	22
	2017	57	9	15	8	37
acres treated, 2022	363	64	486	88	485	485
	2017	794	205	261	127	656
Manure	farms, 2022	231	54	207	209	135
	2017	240	73	231	276	132
acres treated, 2022	20,074	3,649	40,796	20,343	4,468	4,468
	2017	17,314	8,576	36,215	35,515	3,321
Organic fertilizer	farms, 2022	2	6	22	10	3
	2017	18	4	15	19	11
acres treated, 2022	(D)	1,120	1,453	1,215	82	82
	2017	1,002	428	4,928	2,580	231
Acres treated to control- Insects	farms, 2022	48	94	356	357	20
	2017	64	125	421	503	9
acres, 2022	18,938	39,773	173,712	82,241	401	401
	2017	18,746	56,477	168,861	134,114	717
Weeds, grass, or brush	farms, 2022	334	262	694	712	46
	2017	414	272	599	714	43
acres, 2022	80,680	199,140	429,331	253,190	1,184	1,184
	2017	122,397	220,649	328,129	283,255	2,389
Nematodes	farms, 2022	14	15	93	84	5
	2017	15	16	79	90	-
acres, 2022	2,317	6,589	30,795	15,033	75	75
	2017	3,052	7,933	27,597	17,931	-
Diseases in crops and orchards	farms, 2022	20	22	121	90	10
	2017	14	30	79	47	4
acres, 2022	7,825	9,312	68,474	19,455	163	163
	2017	4,323	10,200	46,456	6,753	474
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	13	7	34	26	9
	2017	2	-	9	4	-
acres on which used, 2022	2,055	1,138	10,496	3,171	159	159
	2017	(D)	-	1,599	(D)	-

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

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

Item	Carver	Cass	Chippewa	Chisago	Clay	Clearwater	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	310	129	358	287	391	133
	2017	408	145	430	422	446	162
acres treated, 2022	103,541	21,363	225,293	39,166	313,692	28,547	
	2017	99,457	20,085	225,252	57,801	358,488	36,455
Cropland fertilized, except cropland pasture	farms, 2022	305	116	349	269	382	127
	2017	396	136	421	420	440	154
acres treated, 2022	103,343	19,388	225,047	38,758	313,111	27,959	
	2017	99,226	17,835	225,115	56,941	357,710	34,084
Pastureland and rangeland fertilized	farms, 2022	15	14	14	35	12	10
	2017	16	22	13	62	27	25
acres treated, 2022	198	1,975	246	408	581	588	
	2017	231	2,250	137	860	778	2,371
Manure	farms, 2022	160	71	80	128	78	88
	2017	222	93	110	159	101	83
acres treated, 2022	12,160	2,606	24,805	3,236	4,783	4,170	
	2017	15,027	4,255	20,797	4,127	8,489	3,593
Organic fertilizer	farms, 2022	12	4	4	25	9	18
	2017	20	3	15	22	11	8
acres treated, 2022	989	4	(D)	480	4,950	1,508	
	2017	2,286	115	2,534	426	3,402	1,323
Acres treated to control- Insects	farms, 2022	117	13	195	57	133	23
	2017	131	14	257	69	320	31
acres, 2022	14,544	(D)	82,397	1,859	103,899	4,637	
	2017	30,111	1,368	118,651	15,246	226,433	13,221
Weeds, grass, or brush	farms, 2022	312	85	385	279	396	110
	2017	380	70	418	333	437	107
acres, 2022	117,558	13,875	287,321	42,065	418,203	27,434	
	2017	116,204	12,823	302,730	60,589	482,155	39,290
Nematodes	farms, 2022	33	11	30	4	36	5
	2017	19	-	34	11	41	4
acres, 2022	4,369	1,199	13,266	(D)	11,732	676	
	2017	2,129	-	14,174	857	15,158	635
Diseases in crops and orchards	farms, 2022	44	10	70	27	79	16
	2017	56	5	81	25	128	11
acres, 2022	12,556	780	27,013	301	57,406	5,701	
	2017	9,614	(D)	40,083	3,435	83,386	8,106
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	10	6	18	11	25	9
	2017	3	2	16	8	5	1
acres on which used, 2022	259	856	3,826	648	5,895	1,117	
	2017	25	(D)	2,630	148	2,110	(D)

Item	Cook	Cottonwood	Crow Wing	Dakota	Dodge	Douglas	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	4	489	140	492	338	427
	2017	3	519	165	505	350	463
acres treated, 2022	8	247,480	24,441	146,096	207,868	128,831	
	(D)	214,527	21,449	156,300	183,250	136,067	
Cropland fertilized, except cropland pasture	farms, 2022	4	488	129	473	330	409
	2017	2	518	152	490	346	455
acres treated, 2022	8	247,222	23,459	145,747	207,458	127,391	
	(D)	213,688	19,544	155,818	183,122	134,522	
Pastureland and rangeland fertilized	farms, 2022	-	6	19	29	15	39
	2017	1	20	29	41	8	37
acres treated, 2022	-	258	982	349	410	1,440	
	(D)	839	1,905	482	128	1,545	
Manure	farms, 2022	8	141	82	137	153	169
	2017	5	180	99	170	155	212
acres treated, 2022	93	25,703	6,304	14,596	21,357	8,451	
	(D)	27,159	4,087	9,969	21,265	14,563	
Organic fertilizer	farms, 2022	6	20	3	30	11	7
	2017	7	13	11	26	4	18
acres treated, 2022	8	5,649	(D)	224	3,670	(D)	
	2017	47	(D)	140	1,308	236	989
Acres treated to control- Insects	farms, 2022	3	294	23	252	179	207
	2017	2	361	28	167	205	147
acres, 2022	7	144,997	874	45,122	124,210	49,202	
	(D)	134,223	1,467	48,736	111,309	29,201	
Weeds, grass, or brush	farms, 2022	2	514	93	457	326	484
	2017	-	524	102	416	321	491
acres, 2022	(D)	335,941	21,140	162,934	245,700	160,325	
	-	310,951	12,830	183,490	210,336	156,903	
Nematodes	farms, 2022	-	77	-	68	53	35
	2017	-	44	6	29	41	11
acres, 2022	-	37,977	-	10,087	25,269	9,025	
	-	10,957	2,400	5,121	15,662	1,878	
Diseases in crops and orchards	farms, 2022	-	80	9	88	90	38
	2017	2	32	8	68	68	32
acres, 2022	-	55,658	2,155	16,144	68,922	6,969	
	(D)	10,631	(D)	15,383	41,051	5,349	
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	-	11	8	51	23	14
	2017	-	2	2	13	11	1
acres on which used, 2022	-	1,894	368	5,935	5,934	1,260	
	-	(D)	(D)	730	2,595	(D)	

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

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

Item	Faribault	Fillmore	Freeborn	Goodhue	Grant	Hennepin	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	569	756	575	858	252	165
	2017	591	825	668	901	268	181
acres treated, 2022	260,847	276,985	234,415	277,787	192,372	11,221	
	2017	268,963	222,079	281,369	243,586	223,602	24,975
Cropland fertilized, except cropland pasture	farms, 2022	563	727	565	827	247	152
	2017	582	784	664	858	267	169
acres treated, 2022	260,735	271,007	234,155	275,552	192,263	10,954	
	2017	268,679	214,984	280,824	241,606	223,407	24,703
Pastureland and rangeland fertilized	farms, 2022	7	96	20	89	7	18
	2017	12	160	20	93	3	21
acres treated, 2022	112	5,978	260	2,235	109	267	
	2017	284	7,095	545	1,980	195	272
Manure	farms, 2022	144	399	165	426	40	78
	2017	147	434	211	505	45	85
acres treated, 2022	21,857	28,856	16,389	31,675	2,829	2,538	
	2017	31,557	31,833	24,058	35,192	2,349	4,329
Organic fertilizer	farms, 2022	13	35	12	25	5	21
	2017	6	49	12	25	4	18
acres treated, 2022	2,489	4,267	3,891	2,852	451	739	
	2017	1,412	4,626	292	1,500	750	336
Acres treated to control- Insects	farms, 2022	285	314	257	465	102	86
	2017	407	363	373	419	183	57
acres, 2022	115,851	100,528	115,739	124,351	50,959	1,506	
	2017	179,261	87,017	172,882	105,474	109,528	5,414
Weeds, grass, or brush	farms, 2022	605	782	589	839	258	174
	2017	571	693	615	843	255	150
acres, 2022	348,606	315,627	305,354	316,905	263,759	12,937	
	2017	354,421	229,374	334,291	278,780	229,726	26,728
Nematodes	farms, 2022	63	92	74	91	24	29
	2017	64	52	77	52	17	11
acres, 2022	22,705	20,937	29,565	21,105	13,377	397	
	2017	16,931	9,608	27,396	21,036	19,366	1,299
Diseases in crops and orchards	farms, 2022	108	184	114	189	24	47
	2017	95	86	86	103	34	34
acres, 2022	55,779	87,258	66,313	46,547	8,284	764	
	2017	63,812	18,523	37,394	13,525	29,316	896
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	22	32	30	34	15	25
	2017	6	10	6	18	1	6
acres on which used, 2022	2,835	3,854	8,625	2,907	2,251	443	
	2017	2,981	1,590	3,105	203	(D)	25

Item	Houston	Hubbard	Isanti	Itasca	Jackson	Kanabec	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	391	98	301	103	588	150
	2017	450	129	366	76	550	187
acres treated, 2022	92,418	34,812	50,688	16,562	241,623	29,788	
	2017	77,988	33,970	77,951	12,356	247,731	37,142
Cropland fertilized, except cropland pasture	farms, 2022	380	90	286	87	584	139
	2017	433	125	335	72	550	179
acres treated, 2022	90,191	34,172	49,860	15,661	241,060	29,079	
	2017	74,695	33,196	77,297	11,638	246,360	33,841
Pastureland and rangeland fertilized	farms, 2022	48	14	37	29	17	15
	2017	67	17	51	18	17	20
acres treated, 2022	2,227	640	828	901	563	709	
	2017	3,293	774	654	718	1,371	3,301
Manure	farms, 2022	248	61	160	79	153	117
	2017	290	76	145	55	137	102
acres treated, 2022	28,560	5,520	5,099	1,589	21,617	2,978	
	2017	27,619	7,889	4,197	1,074	19,587	4,088
Organic fertilizer	farms, 2022	20	5	19	9	9	8
	2017	28	3	29	4	5	6
acres treated, 2022	3,117	(D)	396	487	2,891	(D)	
	2017	4,082	(D)	828	(D)	395	161
Acres treated to control- Insects	farms, 2022	140	19	56	18	313	28
	2017	137	23	51	12	422	9
acres, 2022	24,405	14,127	4,162	(D)	105,520	5,024	
	2017	24,565	8,658	5,945	1,642	178,853	1,030
Weeds, grass, or brush	farms, 2022	391	84	274	72	629	129
	2017	399	66	281	44	551	123
acres, 2022	86,731	33,834	48,161	13,953	342,148	33,163	
	2017	76,340	28,184	75,509	10,942	304,706	37,051
Nematodes	farms, 2022	30	5	15	6	68	8
	2017	38	1	18	3	83	1
acres, 2022	5,310	(D)	1,348	273	17,532	207	
	2017	5,040	(D)	3,072	(D)	20,761	(D)
Diseases in crops and orchards	farms, 2022	40	6	19	12	62	13
	2017	47	7	11	6	50	7
acres, 2022	8,699	(D)	1,993	392	16,204	2,153	
	2017	7,032	10,856	164	(D)	8,629	1,369
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	10	7	16	7	20	1
	2017	7	4	4	3	3	1
acres on which used, 2022	596	(D)	407	396	2,573	(D)	
	2017	1,660	(D)	57	3	1,181	(D)

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

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

Item	Kandiyohi	Kittson	Koochiching	Lac qui Parle	Lake	Lake of the Woods	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	539	289	35	476	6	63
	2017	564	259	47	548	13	57
acres treated, 2022	282,048	316,384	7,768	248,357	6	32,388	
	2017	257,674	236,982	10,135	273,992	(D)	34,728
Cropland fertilized, except cropland pasture	farms, 2022	525	286	31	470	4	61
	2017	542	257	35	545	8	55
acres treated, 2022	281,552	315,829	(D)	248,015	(D)	32,264	
	2017	256,562	236,282	8,955	273,384	(D)	34,673
Pastureland and rangeland fertilized	farms, 2022	29	6	8	12	2	3
	2017	45	7	16	14	5	4
acres treated, 2022	496	555	(D)	342	(D)	124	
	2017	1,112	700	1,180	608	(D)	55
Manure	farms, 2022	213	27	13	100	-	15
	2017	252	27	34	135	13	7
acres treated, 2022	37,503	2,209	591	19,671	-	699	
	2017	41,158	1,234	2,192	19,825	125	263
Organic fertilizer	farms, 2022	18	3	-	17	3	-
	2017	10	3	5	11	6	-
acres treated, 2022	1,603	600	-	2,131	5	-	
	2017	1,816	207	1,180	1,262	12	-
Acres treated to control- Insects	farms, 2022	230	144	17	285	3	26
	2017	319	181	14	365	5	44
acres, 2022	120,145	162,052	4,331	107,353	5	14,452	
	2017	124,126	182,464	3,161	139,347	(D)	37,044
Weeds, grass, or brush	farms, 2022	591	301	32	491	2	69
	2017	538	238	26	546	4	57
acres, 2022	366,547	380,251	10,809	331,167	(D)	45,608	
	2017	320,903	317,144	10,332	322,899	(D)	49,005
Nematodes	farms, 2022	47	22	-	34	-	4
	2017	43	18	-	58	-	-
acres, 2022	17,008	15,899	-	16,846	-	136	
	2017	10,710	5,797	-	13,892	-	-
Diseases in crops and orchards	farms, 2022	63	131	8	39	-	7
	2017	57	111	3	32	-	18
acres, 2022	56,803	141,042	6,104	19,672	-	7,486	
	2017	21,016	106,696	898	4,520	-	19,072
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	39	15	8	11	-	9
	2017	11	14	2	7	-	1
acres on which used, 2022	7,259	13,869	1,518	519	-	2,842	
	2017	3,086	7,340	(D)	1,040	-	(D)

Item	Le Sueur	Lincoln	Lyon	McLeod	Mahnomen	Marshall	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	377	322	564	398	151	574
	2017	422	388	611	493	177	535
acres treated, 2022	116,554	113,136	270,077	158,275	130,109	509,106	
	2017	139,999	168,076	263,852	165,664	130,778	538,078
Cropland fertilized, except cropland pasture	farms, 2022	371	317	558	392	151	565
	2017	413	383	604	482	177	525
acres treated, 2022	116,319	111,960	268,233	158,207	129,309	508,187	
	2017	139,841	166,966	263,213	165,502	130,404	534,965
Pastureland and rangeland fertilized	farms, 2022	24	18	25	10	4	16
	2017	14	26	22	6	6	44
acres treated, 2022	235	1,176	1,844	68	800	919	
	2017	158	1,110	639	162	374	3,113
Manure	farms, 2022	156	111	210	214	27	76
	2017	196	154	235	223	55	90
acres treated, 2022	11,926	13,504	43,953	13,561	1,812	5,187	
	2017	11,943	17,880	34,347	17,639	2,085	7,766
Organic fertilizer	farms, 2022	10	9	9	12	2	9
	2017	21	13	11	7	-	2
acres treated, 2022	99	2,688	2,004	2,582	(D)	501	
	2017	6,305	1,213	3,370	357	-	(D)
Acres treated to control- Insects	farms, 2022	144	156	332	140	51	225
	2017	176	163	341	159	132	387
acres, 2022	42,928	43,505	123,944	44,672	18,300	190,040	
	2017	58,060	79,851	120,470	56,520	80,977	421,934
Weeds, grass, or brush	farms, 2022	403	340	592	443	158	567
	2017	434	374	589	466	171	498
acres, 2022	152,976	150,051	351,775	208,560	160,852	577,037	
	2017	188,191	217,928	326,473	208,644	168,154	657,894
Nematodes	farms, 2022	46	25	83	45	16	49
	2017	20	30	81	29	10	30
acres, 2022	29,946	4,850	22,807	16,481	2,386	19,786	
	2017	6,045	8,433	26,459	8,249	2,319	21,039
Diseases in crops and orchards	farms, 2022	44	23	54	46	54	157
	2017	44	15	35	43	46	219
acres, 2022	12,721	8,823	23,656	16,084	22,309	121,605	
	2017	16,048	2,589	13,984	22,269	18,331	211,482
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	26	14	12	32	7	29
	2017	14	-	3	7	4	39
acres on which used, 2022	1,133	1,732	687	3,448	514	12,563	
	2017	362	-	1,910	975	810	23,423

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

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

Item	Martin	Meeker	Mille Lacs	Morrison	Mower	Murray	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	588	478	221	789	594	526
	2017	683	505	252	961	658	581
acres treated, 2022	305,474	170,669	35,137	125,378	262,090	202,346	
	2017	305,802	175,316	59,494	144,099	300,713	253,898
Cropland fertilized, except cropland pasture	farms, 2022	588	465	213	773	587	519
	2017	679	487	243	942	652	580
acres treated, 2022	305,327	170,309	34,733	123,749	261,607	201,728	
	2017	305,528	174,879	58,900	142,091	300,429	252,642
Pastureland and rangeland fertilized	farms, 2022	7	19	17	58	23	22
	2017	12	29	28	75	28	16
acres treated, 2022	147	360	404	1,629	483	618	
	2017	274	437	594	2,008	284	1,256
Manure	farms, 2022	208	174	138	492	216	149
	2017	279	233	174	608	252	199
acres treated, 2022	40,016	22,554	7,181	45,647	23,251	21,158	
	2017	65,229	23,006	10,761	60,259	24,078	33,183
Organic fertilizer	farms, 2022	7	19	11	26	14	7
	2017	10	10	12	27	24	19
acres treated, 2022	586	6,226	2,009	1,456	2,104	1,757	
	2017	2,041	4,058	609	3,015	1,150	4,426
Acres treated to control- Insects	farms, 2022	260	136	26	154	318	247
	2017	517	236	29	201	368	407
acres, 2022	88,434	44,519	1,182	13,849	131,742	80,499	
	2017	219,103	83,593	4,213	26,121	176,591	154,446
Weeds, grass, or brush	farms, 2022	611	472	195	727	597	550
	2017	677	493	205	782	631	580
acres, 2022	405,789	227,334	34,616	122,758	316,002	283,816	
	2017	407,115	221,881	58,728	141,449	374,004	324,956
Nematodes	farms, 2022	62	33	11	25	95	59
	2017	91	51	2	15	74	89
acres, 2022	12,404	19,548	264	2,995	23,198	22,878	
	2017	23,975	13,960	(D)	2,995	22,111	26,084
Diseases in crops and orchards	farms, 2022	89	24	15	34	153	65
	2017	54	26	11	14	127	42
acres, 2022	28,840	15,414	(D)	2,680	65,962	17,205	
	2017	18,631	10,956	1,302	1,214	71,405	8,006
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	19	22	11	31	53	9
	2017	6	2	-	11	10	6
acres on which used, 2022	1,568	4,491	164	3,249	11,576	1,116	
	2017	323	(D)	-	1,314	1,154	930

Item	Nicollet	Nobles	Norman	Olmsted	Otter Tail	Pennington	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	439	633	287	566	1,097	155
	2017	533	632	361	577	1,176	231
acres treated, 2022	189,394	233,190	291,332	189,427	331,322	136,816	
	2017	169,763	265,293	326,757	181,741	376,034	178,312
Cropland fertilized, except cropland pasture	farms, 2022	434	626	286	544	1,044	154
	2017	529	624	358	553	1,146	229
acres treated, 2022	188,601	232,242	291,214	188,518	325,637	136,339	
	2017	169,659	264,083	326,168	179,816	372,017	176,354
Pastureland and rangeland fertilized	farms, 2022	10	28	3	40	122	8
	2017	10	26	16	71	110	21
acres treated, 2022	793	948	118	909	5,685	477	
	2017	104	1,210	589	1,925	4,017	1,958
Manure	farms, 2022	167	248	45	231	464	24
	2017	234	262	49	285	546	45
acres treated, 2022	23,692	47,489	2,623	15,940	32,702	1,571	
	2017	30,368	53,240	1,842	20,848	40,430	3,006
Organic fertilizer	farms, 2022	12	13	-	17	22	3
	2017	10	20	-	22	25	3
acres treated, 2022	986	4,024	-	1,794	3,638	3	
	2017	957	2,952	-	671	1,598	1,692
Acres treated to control- Insects	farms, 2022	139	301	125	261	309	39
	2017	323	441	292	268	487	178
acres, 2022	25,909	103,883	133,160	66,603	63,574	49,639	
	2017	83,366	162,138	279,060	89,901	172,435	139,584
Weeds, grass, or brush	farms, 2022	451	661	295	559	1,138	160
	2017	517	598	349	532	1,085	202
acres, 2022	245,670	321,068	386,489	217,897	390,323	169,205	
	2017	228,418	345,484	459,229	196,832	413,770	192,624
Nematodes	farms, 2022	38	87	30	72	43	9
	2017	68	76	23	34	56	5
acres, 2022	7,387	32,161	13,950	17,032	8,910	5,713	
	2017	14,827	21,817	6,848	5,818	17,701	1,437
Diseases in crops and orchards	farms, 2022	59	88	90	114	99	36
	2017	38	57	157	66	89	69
acres, 2022	21,881	55,688	61,197	42,536	28,395	30,908	
	2017	6,695	16,096	133,441	19,858	30,115	57,287
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	14	30	24	48	44	5
	2017	4	7	14	6	24	6
acres on which used, 2022	1,434	2,517	8,499	4,739	10,534	1,217	
	2017	(D)	266	13,249	257	7,353	2,944

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

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

Item	Pine	Pipestone	Polk	Pope	Ramsey	Red Lake
Commercial fertilizer, lime, and soil conditioners farms, 2022	273	312	769	380	16	176
..... 2017	298	376	727	427	20	174
..... acres treated, 2022	35,840	131,415	673,185	163,638	208	117,018
..... 2017	32,852	146,762	690,763	204,929	108	133,326
Cropland fertilized, except cropland pasture farms, 2022	261	304	759	375	16	172
..... 2017	281	363	708	406	20	172
..... acres treated, 2022	34,947	129,405	672,486	163,245	208	116,364
..... 2017	31,340	144,666	689,127	203,481	108	133,130
Pastureland and rangeland fertilized farms, 2022	33	33	25	15	-	13
..... 2017	43	40	38	38	-	6
..... acres treated, 2022	893	2,010	699	393	-	654
..... 2017	1,512	2,096	1,636	1,448	-	196
Manure farms, 2022	165	160	97	122	4	37
..... 2017	197	185	104	186	13	43
..... acres treated, 2022	6,324	33,980	12,952	16,666	13	2,538
..... 2017	8,867	30,388	9,803	25,119	(D)	3,600
Organic fertilizer farms, 2022	15	7	13	5	6	-
..... 2017	20	7	15	8	8	2
..... acres treated, 2022	480	1,979	12,824	16	6	-
..... 2017	869	313	14,729	245	10	(D)
Acres treated to control-						
Insects farms, 2022	20	107	377	152	13	66
..... 2017	36	204	563	258	6	119
..... acres, 2022	1,463	42,592	330,387	42,394	23	27,737
..... 2017	2,896	70,745	525,869	104,076	36	86,635
Weeds, grass, or brush farms, 2022	193	340	772	410	12	183
..... 2017	200	380	679	417	6	159
..... acres, 2022	29,580	173,113	815,754	194,626	(D)	144,668
..... 2017	25,598	191,769	799,109	229,707	(D)	161,941
Nematodes farms, 2022	4	25	60	27	-	7
..... 2017	-	42	66	14	-	11
..... acres, 2022	270	6,512	33,848	7,402	-	3,236
..... 2017	-	13,208	26,427	3,576	-	3,791
Diseases in crops and orchards farms, 2022	10	16	282	38	4	35
..... 2017	10	27	338	37	4	54
..... acres, 2022	241	4,223	255,577	10,321	4	18,212
..... 2017	133	5,421	325,043	10,619	38	40,702
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2022	13	9	83	15	-	8
..... 2017	3	1	52	7	1	10
..... acres on which used, 2022	531	600	28,833	3,044	-	2,695
..... 2017	(D)	(D)	25,152	1,712	(D)	2,842
Item	Redwood	Renville	Rice	Rock	Roseau	St. Louis
Commercial fertilizer, lime, and soil conditioners farms, 2022	909	663	523	391	336	175
..... 2017	816	719	635	533	340	149
..... acres treated, 2022	345,842	368,622	136,895	161,900	225,720	15,609
..... 2017	323,099	383,327	133,819	180,465	273,519	9,102
Cropland fertilized, except cropland pasture farms, 2022	900	648	509	376	327	161
..... 2017	812	719	612	507	322	140
..... acres treated, 2022	345,352	368,429	136,645	159,429	225,253	15,052
..... 2017	322,732	383,255	133,424	178,699	272,223	8,512
Pastureland and rangeland fertilized farms, 2022	20	19	23	41	16	32
..... 2017	20	5	35	56	30	18
..... acres treated, 2022	490	193	250	2,471	467	557
..... 2017	367	72	395	1,766	1,296	590
Manure farms, 2022	255	134	227	173	79	159
..... 2017	273	185	280	279	68	123
..... acres treated, 2022	38,421	25,769	20,364	30,225	4,929	5,149
..... 2017	37,534	40,496	23,644	47,815	6,508	4,180
Organic fertilizer farms, 2022	11	4	21	13	-	22
..... 2017	11	6	21	18	11	24
..... acres treated, 2022	2,874	(D)	1,567	1,736	-	55
..... 2017	2,321	3,068	3,902	4,021	1,599	694
Acres treated to control-						
Insects farms, 2022	460	404	179	140	143	34
..... 2017	521	500	223	245	235	21
..... acres, 2022	139,636	172,979	53,293	59,027	120,656	(D)
..... 2017	168,091	213,932	51,657	87,426	254,284	(D)
Weeds, grass, or brush farms, 2022	930	677	558	397	344	83
..... 2017	793	684	586	533	306	38
..... acres, 2022	490,193	525,088	187,305	225,405	285,669	9,850
..... 2017	453,635	542,439	156,969	242,782	330,148	9,957
Nematodes farms, 2022	126	126	64	23	11	9
..... 2017	108	81	35	33	17	2
..... acres, 2022	30,202	44,240	13,245	4,939	1,941	19
..... 2017	33,719	36,047	5,383	6,235	8,188	(D)
Diseases in crops and orchards farms, 2022	147	174	89	50	64	11
..... 2017	83	119	56	32	122	8
..... acres, 2022	47,016	81,102	24,091	31,913	59,812	29
..... 2017	30,043	46,397	12,114	6,792	133,420	171
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2022	27	85	38	6	31	5
..... 2017	2	9	16	4	37	2
..... acres on which used, 2022	4,146	16,801	5,705	760	14,629	65
..... 2017	(D)	8,597	2,118	(D)	12,608	(D)

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

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

Item	Scott	Sherburne	Sibley	Stearns	Steele	Stevens	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	256	170	540	1,526	340	278
	2017	349	199	594	1,808	371	316
acres treated, 2022	60,938	47,119	232,219	318,445	171,404	220,868	
	2017	52,625	60,238	225,592	329,051	174,269	215,824
Cropland fertilized, except cropland pasture	farms, 2022	228	160	532	1,496	339	278
	2017	323	188	581	1,775	360	310
acres treated, 2022	60,554	44,625	231,776	315,587	171,077	220,727	
	2017	51,979	60,095	225,406	326,548	174,023	215,314
Pastureland and rangeland fertilized	farms, 2022	34	14	24	110	9	6
	2017	45	15	24	104	19	15
acres treated, 2022	384	2,494	443	2,858	327	141	
	2017	646	143	186	2,503	246	510
Manure	farms, 2022	126	68	195	1,031	132	111
	2017	175	75	263	1,222	182	104
acres treated, 2022	7,350	4,448	24,423	114,996	16,523	21,025	
	2017	9,189	3,943	30,229	131,231	22,549	20,310
Organic fertilizer	farms, 2022	12	15	2	78	8	10
	2017	10	4	10	46	3	6
acres treated, 2022	402	1,069	(D)	5,399	511	476	
	2017	521	63	1,588	4,524	85	2,585
Acres treated to control- Insects	farms, 2022	81	59	161	501	159	139
	2017	110	69	256	485	192	201
acres, 2022	8,600	16,958	38,577	66,710	88,139	71,853	
	2017	18,316	22,666	99,337	86,350	106,348	95,979
Weeds, grass, or brush	farms, 2022	254	177	555	1,572	347	289
	2017	329	153	581	1,693	347	327
acres, 2022	73,053	50,293	310,464	354,026	211,528	272,982	
	2017	72,165	61,247	290,313	360,361	201,767	276,591
Nematodes	farms, 2022	23	22	57	96	61	21
	2017	5	12	34	44	37	15
acres, 2022	6,432	9,077	9,800	15,807	27,523	7,758	
	2017	490	4,578	6,636	4,337	17,942	5,276
Diseases in crops and orchards	farms, 2022	30	30	81	105	75	33
	2017	21	30	52	76	57	33
acres, 2022	1,520	10,985	29,936	19,472	47,401	7,263	
	2017	1,101	6,975	15,407	16,082	26,727	14,037
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	12	24	24	56	12	16
	2017	8	23	3	16	4	13
acres on which used, 2022	490	9,502	3,103	5,318	1,570	7,360	
	2017	224	6,843	(D)	2,186	628	5,556

Item	Swift	Todd	Traverse	Wabasha	Wadena	Waseca	
Commercial fertilizer, lime, and soil conditioners	farms, 2022	388	713	204	479	183	400
	2017	468	838	272	555	218	464
acres treated, 2022	227,032	119,528	177,847	132,166	44,383	176,715	
	2017	229,201	122,249	244,988	125,845	44,179	155,322
Cropland fertilized, except cropland pasture	farms, 2022	387	690	204	472	165	395
	2017	466	807	270	550	210	458
acres treated, 2022	226,864	118,269	177,847	130,913	43,207	176,642	
	2017	228,311	119,876	244,777	124,356	43,112	155,170
Pastureland and rangeland fertilized	farms, 2022	5	51	-	42	42	6
	2017	9	86	3	54	27	9
acres treated, 2022	168	1,259	-	1,253	1,176	73	
	2017	890	2,373	211	1,489	1,067	152
Manure	farms, 2022	86	430	33	297	99	121
	2017	140	507	27	313	125	189
acres treated, 2022	15,067	28,279	6,038	29,494	3,051	25,481	
	2017	26,581	40,160	2,188	32,685	5,869	35,074
Organic fertilizer	farms, 2022	3	28	2	28	6	7
	2017	6	17	-	16	16	17
acres treated, 2022	(D)	1,480	(D)	1,525	640	842	
	2017	3,038	861	-	1,182	419	3,592
Acres treated to control- Insects	farms, 2022	192	176	87	191	43	198
	2017	319	277	165	201	59	258
acres, 2022	78,173	21,367	52,034	38,032	13,472	85,970	
	2017	117,202	38,889	144,281	39,560	13,930	85,991
Weeds, grass, or brush	farms, 2022	426	696	210	483	165	407
	2017	464	759	263	501	158	452
acres, 2022	294,026	123,811	249,101	130,967	44,796	233,150	
	2017	280,959	131,757	321,889	127,134	37,186	209,199
Nematodes	farms, 2022	59	30	18	48	6	48
	2017	50	13	29	35	5	50
acres, 2022	21,542	3,823	8,221	6,213	3,047	9,043	
	2017	15,029	984	14,156	4,225	750	13,422
Diseases in crops and orchards	farms, 2022	46	43	17	88	9	74
	2017	52	29	23	43	16	68
acres, 2022	18,868	6,301	18,080	16,270	3,493	45,269	
	2017	17,472	3,117	12,866	6,925	8,403	24,665
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2022	28	30	4	40	7	12
	2017	7	2	5	14	5	2
acres on which used, 2022	9,780	2,073	474	3,174	3,009	1,549	
	2017	2,009	(D)	1,721	808	3,257	(D)

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

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

Item	Washington	Watonwan	Wilkin	Winona	Wright	Yellow Medicine
Commercial fertilizer, lime, and soil conditioners farms, 2022	211	321	228	580	605	511
..... farms, 2017	293	328	266	621	681	537
..... acres treated, 2022	24,184	173,135	225,076	154,117	123,987	243,765
..... acres treated, 2017	42,772	163,446	256,891	128,119	146,693	247,444
Cropland fertilized, except cropland pasture farms, 2022	192	320	223	550	533	508
..... farms, 2017	271	326	266	610	664	534
..... acres treated, 2022	23,572	(D)	225,014	152,096	122,873	241,355
..... acres treated, 2017	41,556	163,367	(D)	125,828	146,162	246,376
Pastureland and rangeland fertilized farms, 2022	38	1	6	72	91	19
..... farms, 2017	48	5	1	65	41	32
..... acres treated, 2022	612	(D)	62	2,021	1,114	2,410
..... acres treated, 2017	1,216	79	(D)	2,291	531	1,068
Manure farms, 2022	86	98	24	343	319	145
..... farms, 2017	121	122	20	391	361	139
..... acres treated, 2022	1,384	20,306	5,198	52,294	20,014	16,387
..... acres treated, 2017	2,905	24,107	2,039	41,138	23,154	26,405
Organic fertilizer farms, 2022	16	6	1	45	14	6
..... farms, 2017	20	3	1	48	28	7
..... acres treated, 2022	393	231	(D)	4,935	2,590	(D)
..... acres treated, 2017	293	(D)	(D)	4,415	1,251	1,961
Acres treated to control-						
Insects farms, 2022	102	180	79	179	192	293
..... farms, 2017	84	249	156	225	170	336
..... acres, 2022	6,994	81,224	71,808	41,014	32,200	107,147
..... acres, 2017	12,395	103,870	109,468	45,105	29,892	132,924
Weeds, grass, or brush farms, 2022	225	339	239	551	614	528
..... farms, 2017	234	321	259	523	606	525
..... acres, 2022	27,626	232,637	335,860	154,720	144,828	300,147
..... acres, 2017	45,741	217,952	386,482	124,386	168,026	313,234
Nematodes farms, 2022	22	55	22	62	43	58
..... farms, 2017	4	47	20	46	11	62
..... acres, 2022	1,890	18,117	11,902	8,619	7,168	21,384
..... acres, 2017	769	13,094	10,754	2,646	1,346	15,984
Diseases in crops and orchards farms, 2022	42	38	54	100	40	55
..... farms, 2017	43	25	75	55	56	48
..... acres, 2022	2,691	15,200	29,067	20,883	2,988	22,501
..... acres, 2017	1,469	9,727	46,336	7,155	5,068	13,702
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2022	24	22	4	30	40	6
..... farms, 2017	14	1	3	9	18	1
..... acres on which used, 2022	887	3,686	2,220	3,075	1,673	337
..... acres on which used, 2017	357	(D)	1,273	2,299	432	(D)