

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

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

Item	South Dakota	Aurora	Beadle	Bennett	Bon Homme	Brookings	
Commercial fertilizer, lime, and soil conditioners .....	farms, 2022	13,692	217	341	69	317	394
	2017	15,535	211	432	82	375	455
acres treated, 2022	9,807,496	151,698	241,799	56,105	137,886	188,790	
	2017	11,331,760	156,076	328,572	84,832	158,950	210,691
Cropland fertilized, except cropland pasture .....	farms, 2022	13,063	203	327	69	315	374
	2017	14,741	206	413	82	363	427
acres treated, 2022	9,546,698	144,450	232,432	(D)	134,005	181,306	
	2017	10,915,222	140,898	310,808	81,538	148,174	202,061
Pastureland and rangeland fertilized .....	farms, 2022	1,577	40	57	1	30	53
	2017	2,506	50	92	6	79	94
acres treated, 2022	260,798	7,248	9,367	(D)	3,881	7,484	
	2017	416,538	15,178	17,764	3,294	10,776	8,630
Manure .....	farms, 2022	4,066	59	86	25	86	173
	2017	5,223	72	162	17	153	193
acres treated, 2022	478,080	4,543	11,608	1,700	4,880	23,517	
	2017	517,263	4,544	14,043	1,411	10,643	29,186
Organic fertilizer .....	farms, 2022	275	1	-	1	7	8
	2017	209	3	5	-	6	1
acres treated, 2022	113,410	(D)	-	(D)	831	2,131	
	2017	42,495	346	619	-	1,152	(D)
Acres treated to control- Insects .....	farms, 2022	3,706	37	68	32	46	131
	2017	4,984	44	135	38	84	196
acres, 2022	1,864,351	36,350	35,856	11,176	10,553	63,217	
	2017	3,460,526	31,366	106,959	35,328	19,969	121,573
Weeds, grass, or brush .....	farms, 2022	14,909	237	387	76	344	434
	2017	15,482	213	444	90	387	482
acres, 2022	12,541,774	195,548	354,226	54,421	175,963	234,063	
	2017	15,562,274	165,590	455,033	117,847	188,574	290,887
Nematodes .....	farms, 2022	756	5	26	1	10	9
	2017	579	2	13	2	6	17
acres, 2022	306,602	170	3,071	(D)	938	884	
	2017	248,283	(D)	3,873	(D)	1,827	5,282
Diseases in crops and orchards .....	farms, 2022	1,257	9	29	3	14	39
	2017	1,237	7	27	8	12	55
acres, 2022	598,505	8,317	4,878	7,768	1,646	21,263	
	2017	760,312	5,117	10,705	30,116	3,248	39,778
Chemicals used to control growth, thin fruit, ripen, or defoliate .....	farms, 2022	420	9	13	-	6	10
	2017	134	3	-	-	2	4
acres on which used, 2022	90,867	4,604	2,140	-	222	1,049	
	2017	54,675	356	-	-	(D)	650

  

Item	Brown	Brule	Buffalo	Butte	Campbell	Charles Mix	
Commercial fertilizer, lime, and soil conditioners .....	farms, 2022	484	222	37	123	120	453
	2017	523	224	40	139	140	474
acres treated, 2022	423,245	181,100	40,023	17,534	153,068	275,841	
	2017	565,973	194,241	52,852	23,113	154,694	342,881
Cropland fertilized, except cropland pasture .....	farms, 2022	467	219	37	104	117	428
	2017	497	219	39	123	140	448
acres treated, 2022	421,744	162,042	40,023	15,965	152,373	267,626	
	2017	561,925	181,874	51,242	20,216	153,294	314,261
Pastureland and rangeland fertilized .....	farms, 2022	22	23	-	25	6	69
	2017	44	34	6	5	5	137
acres treated, 2022	1,501	19,058	-	1,569	695	8,215	
	2017	4,048	12,367	1,610	2,897	1,400	28,620
Manure .....	farms, 2022	98	53	8	87	33	119
	2017	119	76	16	70	33	186
acres treated, 2022	6,845	5,316	880	10,535	2,322	10,751	
	2017	10,588	7,882	2,259	2,451	2,503	17,108
Organic fertilizer .....	farms, 2022	9	3	-	7	2	4
	2017	10	5	-	1	-	4
acres treated, 2022	6,710	1,802	-	406	(D)	1,583	
	2017	4,166	3,084	-	(D)	-	1,077
Acres treated to control- Insects .....	farms, 2022	93	40	19	79	19	99
	2017	128	69	18	72	38	122
acres, 2022	85,088	8,070	23,665	10,601	8,039	36,615	
	2017	111,059	42,810	13,252	10,103	24,330	43,741
Weeds, grass, or brush .....	farms, 2022	535	241	37	139	119	470
	2017	519	228	38	120	125	460
acres, 2022	618,977	201,510	63,198	19,241	202,965	362,010	
	2017	761,269	222,255	68,684	30,114	225,311	394,717
Nematodes .....	farms, 2022	36	6	3	4	7	31
	2017	7	6	1	3	-	13
acres, 2022	30,727	725	3,537	(D)	16,874	8,042	
	2017	4,204	1,015	(D)	275	-	1,831
Diseases in crops and orchards .....	farms, 2022	45	18	5	10	20	41
	2017	19	26	4	9	27	57
acres, 2022	40,401	5,631	1,895	240	15,305	13,405	
	2017	7,987	22,704	4,555	1,946	6,692	20,787
Chemicals used to control growth, thin fruit, ripen, or defoliate .....	farms, 2022	16	7	-	6	-	11
	2017	1	-	1	1	1	6
acres on which used, 2022	4,282	197	-	23	-	427	
	2017	(D)	-	(D)	(D)	(D)	2,598

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

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

Item	Clark	Clay	Codington	Corson	Custer	Davison
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	256	262	217	117	59	200
..... farms, 2017	332	303	295	148	59	221
..... acres treated, 2022	156,865	140,000	101,570	141,449	4,762	123,901
..... acres treated, 2017	292,439	171,182	157,198	150,683	6,116	134,970
Cropland fertilized, except cropland pasture ..... farms, 2022	240	255	208	117	55	190
..... farms, 2017	322	293	271	143	48	208
..... acres treated, 2022	153,798	138,716	100,368	141,449	4,522	122,219
..... acres treated, 2017	287,669	168,120	153,198	146,749	5,745	129,830
Pastureland and rangeland fertilized ..... farms, 2022	30	21	22	-	12	29
..... farms, 2017	35	44	39	9	16	48
..... acres treated, 2022	3,067	1,284	1,202	-	240	1,682
..... acres treated, 2017	4,770	3,062	4,000	3,934	371	5,140
Manure ..... farms, 2022	66	39	87	45	68	55
..... farms, 2017	110	67	98	46	34	70
..... acres treated, 2022	10,209	1,608	8,199	2,204	2,986	6,783
..... acres treated, 2017	12,778	5,121	11,613	2,473	1,219	6,012
Organic fertilizer ..... farms, 2022	11	7	6	-	22	7
..... farms, 2017	-	7	9	1	3	-
..... acres treated, 2022	3,534	203	109	-	1,942	3,790
..... acres treated, 2017	-	1,073	458	(D)	(D)	-
Acres treated to control-						
Insects ..... farms, 2022	53	82	58	39	25	28
..... farms, 2017	95	114	57	52	14	41
..... acres treated, 2022	13,321	51,202	27,815	28,089	1,626	3,598
..... acres treated, 2017	106,084	49,276	30,403	76,727	1,009	16,191
Weeds, grass, or brush ..... farms, 2022	277	280	245	119	110	223
..... farms, 2017	320	309	304	146	88	218
..... acres treated, 2022	249,736	152,650	143,345	152,144	8,017	158,492
..... acres treated, 2017	357,089	203,824	234,537	279,600	13,208	180,455
Nematodes ..... farms, 2022	8	22	2	1	-	4
..... farms, 2017	14	35	2	-	-	3
..... acres treated, 2022	2,711	18,327	(D)	(D)	-	724
..... acres treated, 2017	5,955	16,452	(D)	-	-	280
Diseases in crops and orchards ..... farms, 2022	25	19	16	13	-	12
..... farms, 2017	27	34	23	5	2	11
..... acres treated, 2022	4,700	11,215	5,816	12,251	-	3,572
..... acres treated, 2017	16,140	10,262	8,970	7,050	(D)	1,441
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	10	6	6	10	4	6
..... farms, 2017	6	4	2	-	-	1
..... acres on which used, 2022	1,064	240	1,105	(D)	184	826
..... acres on which used, 2017	3,247	1,900	(D)	-	-	(D)

  

Item	Day	Deuel	Dewey	Douglas	Edmunds	Fall River	Faulk
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	241	263	81	210	224	42	189
..... farms, 2017	280	317	76	265	234	54	229
..... acres treated, 2022	171,873	110,458	69,877	102,366	320,512	11,225	254,416
..... acres treated, 2017	288,129	148,144	55,542	152,662	352,339	12,697	237,457
Cropland fertilized, except cropland pasture ..... farms, 2022	232	257	77	208	220	40	188
..... farms, 2017	273	301	71	255	231	49	212
..... acres treated, 2022	170,484	105,892	(D)	97,961	318,368	10,939	250,260
..... acres treated, 2017	283,950	142,320	51,674	142,478	344,542	8,792	226,932
Pastureland and rangeland fertilized ..... farms, 2022	15	25	5	36	17	4	20
..... farms, 2017	27	44	7	62	19	6	50
..... acres treated, 2022	1,389	4,566	(D)	4,405	2,144	286	4,156
..... acres treated, 2017	4,179	5,824	3,868	10,184	7,797	3,905	10,525
Manure ..... farms, 2022	47	130	38	70	62	47	54
..... farms, 2017	92	173	23	73	49	29	63
..... acres treated, 2022	2,433	14,087	4,805	6,602	5,502	8,763	4,606
..... acres treated, 2017	9,569	10,340	4,942	6,647	5,277	2,953	6,229
Organic fertilizer ..... farms, 2022	5	3	2	5	3	5	4
..... farms, 2017	1	4	-	6	-	-	6
..... acres treated, 2022	1,526	(D)	(D)	823	(D)	1,436	240
..... acres treated, 2017	(D)	632	-	900	-	-	8,373
Acres treated to control-							
Insects ..... farms, 2022	42	70	21	36	43	23	44
..... farms, 2017	42	115	34	49	23	11	35
..... acres treated, 2022	25,981	23,522	7,525	11,086	59,458	2,265	28,631
..... acres treated, 2017	34,657	49,323	17,525	27,169	91,955	1,879	27,907
Weeds, grass, or brush ..... farms, 2022	283	266	86	229	225	69	198
..... farms, 2017	283	329	73	249	240	88	211
..... acres treated, 2022	242,472	150,012	67,275	127,840	448,092	24,289	346,346
..... acres treated, 2017	396,488	177,079	96,433	186,456	514,433	18,311	332,506
Nematodes ..... farms, 2022	18	23	1	8	14	2	7
..... farms, 2017	3	13	-	8	9	-	4
..... acres treated, 2022	8,447	3,733	(D)	625	14,330	(D)	2,210
..... acres treated, 2017	2,258	7,330	-	3,554	3,083	-	1,007
Diseases in crops and orchards ..... farms, 2022	15	35	9	12	21	-	31
..... farms, 2017	18	22	5	20	22	-	22
..... acres treated, 2022	5,482	7,350	2,210	1,909	19,301	-	18,201
..... acres treated, 2017	8,439	4,680	1,220	6,339	21,198	-	22,294
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	10	22	3	15	4	-	6
..... farms, 2017	-	-	-	1	14	1	3
..... acres on which used, 2022	754	903	30	1,272	(D)	-	15,032
..... acres on which used, 2017	-	-	-	(D)	5,107	(D)	4,350

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

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

Item	Grant	Gregory	Haakon	Hamlin	Hand	Hanson	Harding
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	291	251	110	188	251	169	66
..... farms, 2017	324	317	112	264	271	213	54
..... acres treated, 2022	180,253	88,336	177,625	128,384	310,137	121,183	62,616
..... acres treated, 2017	199,343	120,836	166,379	178,311	328,681	163,247	41,347
Cropland fertilized, except cropland pasture ..... farms, 2022	288	237	101	175	244	149	63
..... farms, 2017	317	301	111	255	256	201	50
..... acres treated, 2022	163,821	81,776	177,250	126,507	306,640	119,610	62,216
..... acres treated, 2017	195,146	114,189	153,024	171,592	320,918	158,019	40,950
Pastureland and rangeland fertilized ..... farms, 2022	10	44	9	27	16	36	3
..... farms, 2017	31	48	8	51	39	43	4
..... acres treated, 2022	16,432	6,560	375	1,877	3,497	1,573	400
..... acres treated, 2017	4,197	6,647	13,355	6,719	7,763	5,228	397
Manure ..... farms, 2022	122	62	24	84	41	51	27
..... farms, 2017	118	103	38	92	64	52	41
..... acres treated, 2022	16,529	6,851	13,475	10,956	19,661	5,553	1,240
..... acres treated, 2017	15,944	6,848	1,978	9,484	7,768	6,768	2,012
Organic fertilizer ..... farms, 2022	6	1	2	1	6	6	6
..... farms, 2017	4	7	-	19	-	3	-
..... acres treated, 2022	492	(D)	(D)	(D)	16,926	1,210	20,628
..... acres treated, 2017	303	1,280	-	2,860	-	(D)	-
Acres treated to control-							
Insects ..... farms, 2022	83	82	61	49	48	24	15
..... farms, 2017	82	131	57	53	68	38	25
..... acres, 2022	22,593	16,913	51,364	16,627	37,097	26,475	20,374
..... acres, 2017	44,373	45,927	33,917	34,371	126,749	52,997	21,298
Weeds, grass, or brush ..... farms, 2022	311	252	119	224	272	191	85
..... farms, 2017	303	293	127	256	264	213	74
..... acres, 2022	217,560	102,598	186,102	163,142	462,859	157,261	61,950
..... acres, 2017	269,930	148,512	195,746	230,335	505,694	207,875	57,940
Nematodes ..... farms, 2022	12	11	-	11	13	18	11
..... farms, 2017	20	6	2	10	5	5	-
..... acres, 2022	3,715	1,175	-	1,964	3,532	2,316	17,460
..... acres, 2017	14,883	1,408	(D)	3,937	5,561	1,388	-
Diseases in crops and orchards ..... farms, 2022	23	25	24	22	13	8	7
..... farms, 2017	26	39	16	10	31	15	4
..... acres, 2022	6,964	5,365	24,883	2,797	13,000	1,831	16,300
..... acres, 2017	13,137	16,840	36,626	1,961	46,393	3,928	(D)
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	6	8	3	13	7	4	10
..... farms, 2017	5	6	3	-	-	1	1
..... acres on which used, 2022	431	289	(D)	4,043	452	160	12,068
..... acres on which used, 2017	1,196	240	9,000	-	-	(D)	(D)
Item	Hughes	Hutchinson	Hyde	Jackson	Jerauld	Jones	Kingsbury
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	151	539	94	67	114	68	286
..... farms, 2017	155	482	100	75	142	76	379
..... acres treated, 2022	158,005	291,416	113,928	56,297	126,048	102,570	186,808
..... acres treated, 2017	166,051	272,109	114,908	65,333	121,014	106,160	250,633
Cropland fertilized, except cropland pasture ..... farms, 2022	149	512	94	62	111	61	268
..... farms, 2017	149	458	94	72	138	75	373
..... acres treated, 2022	154,364	283,701	(D)	56,243	120,751	94,545	181,498
..... acres treated, 2017	161,522	256,205	110,192	63,031	115,176	(D)	243,189
Pastureland and rangeland fertilized ..... farms, 2022	6	83	2	5	12	10	45
..... farms, 2017	14	119	20	6	17	1	50
..... acres treated, 2022	3,641	7,715	(D)	54	5,297	8,025	5,310
..... acres treated, 2017	4,529	15,904	4,716	2,302	5,838	(D)	7,444
Manure ..... farms, 2022	35	181	14	18	23	4	82
..... farms, 2017	28	192	22	23	40	5	101
..... acres treated, 2022	5,471	29,634	555	662	5,626	380	8,110
..... acres treated, 2017	7,453	24,299	3,138	1,829	4,055	1,262	5,134
Organic fertilizer ..... farms, 2022	4	8	-	-	3	3	3
..... farms, 2017	-	11	-	2	5	-	11
..... acres treated, 2022	2,440	1,638	-	-	900	2,330	(D)
..... acres treated, 2017	-	1,067	-	(D)	1,860	-	1,828
Acres treated to control-							
Insects ..... farms, 2022	63	106	35	25	37	9	73
..... farms, 2017	66	182	37	40	56	50	108
..... acres, 2022	27,773	45,645	25,236	5,828	5,972	6,653	58,499
..... acres, 2017	86,833	73,465	44,442	29,082	34,503	42,207	94,368
Weeds, grass, or brush ..... farms, 2022	156	553	102	85	139	76	289
..... farms, 2017	144	456	100	88	140	82	353
..... acres, 2022	169,320	359,494	144,461	58,538	161,101	107,157	263,470
..... acres, 2017	222,248	310,726	173,010	95,958	178,647	162,956	358,137
Nematodes ..... farms, 2022	11	34	5	-	4	1	20
..... farms, 2017	1	19	1	1	3	-	10
..... acres, 2022	3,903	9,556	1,130	-	2,537	(D)	5,634
..... acres, 2017	(D)	5,937	(D)	(D)	(D)	-	1,264
Diseases in crops and orchards ..... farms, 2022	26	25	16	4	4	4	34
..... farms, 2017	22	30	12	8	12	9	38
..... acres, 2022	8,000	8,647	28,315	1,941	1,493	645	6,906
..... acres, 2017	17,086	5,015	5,422	12,936	8,508	6,085	9,818
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	1	7	8	3	-	2	7
..... farms, 2017	1	-	-	4	-	3	2
..... acres on which used, 2022	(D)	705	1,932	(D)	-	(D)	516
..... acres on which used, 2017	(D)	-	-	431	-	580	(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	Lake	Lawrence	Lincoln	Lyman	McCook	McPherson	Marshall	
Commercial fertilizer, lime, and soil conditioners .....	farms, 2022	261	42	457	203	310	142	218
	2017	305	36	488	210	345	197	259
acres treated, 2022	120,816	4,893	160,033	273,414	190,598	156,126	153,740	
	2017	181,094	4,074	207,155	190,171	212,067	168,465	181,655
Cropland fertilized, except cropland pasture .....	farms, 2022	248	27	435	202	299	138	211
	2017	290	28	448	206	306	181	240
acres treated, 2022	118,976	3,248	157,967	266,562	186,062	155,064	149,795	
	2017	174,316	3,946	204,368	187,649	201,826	165,176	177,803
Pastureland and rangeland fertilized .....	farms, 2022	33	16	57	11	60	9	18
	2017	65	10	87	10	104	24	32
acres treated, 2022	1,840	1,645	2,066	6,852	4,536	1,062	3,945	
	2017	6,778	128	2,787	2,522	10,241	3,289	3,852
Manure .....	farms, 2022	63	27	161	12	102	39	84
	2017	88	55	176	25	145	89	113
acres treated, 2022	5,506	2,146	20,227	1,227	14,626	6,644	12,424	
	2017	8,874	1,815	18,725	1,907	14,520	5,753	12,890
Organic fertilizer .....	farms, 2022	5	2	9	1	3	7	5
	2017	6	4	2	-	3	-	1
acres treated, 2022	1,685	(D)	4,573	(D)	60	1,855	3,039	
	2017	1,129	10	(D)	-	39	-	(D)
Acres treated to control- Insects .....	farms, 2022	104	16	166	61	85	18	30
	2017	140	20	196	79	104	19	51
acres, 2022	44,499	1,653	54,165	44,040	49,268	10,446	5,986	
	2017	99,814	3,006	95,350	50,245	88,363	11,529	56,607
Weeds, grass, or brush .....	farms, 2022	266	48	512	219	332	168	250
	2017	293	71	481	222	325	192	253
acres, 2022	142,978	8,273	200,852	294,196	223,943	206,125	234,053	
	2017	198,268	7,930	243,869	304,299	263,528	245,725	283,107
Nematodes .....	farms, 2022	22	3	57	8	18	6	8
	2017	19	-	10	-	25	3	9
acres, 2022	9,394	43	23,181	2,294	3,510	2,834	1,938	
	2017	11,888	-	11,404	4,221	11,614	2,360	15,277
Diseases in crops and orchards .....	farms, 2022	25	11	39	20	25	24	7
	2017	41	3	27	11	20	21	12
acres, 2022	10,423	19	9,844	15,519	11,327	7,623	2,446	
	2017	16,750	3	11,063	6,438	5,436	19,568	11,758
Chemicals used to control growth, thin fruit, ripen, or defoliate .....	farms, 2022	3	1	20	10	1	2	3
	2017	2	-	3	4	-	4	-
acres on which used, 2022	130	(D)	1,906	522	(D)	(D)	203	
	2017	(D)	-	(D)	960	-	-	-

  

Item	Meade	Mellette	Miner	Minnehaha	Moody	Oglala Lakota	Pennington	
Commercial fertilizer, lime, and soil conditioners .....	farms, 2022	99	42	218	543	218	23	104
	2017	118	49	212	637	275	37	114
acres treated, 2022	93,272	23,605	129,744	169,482	101,308	28,007	64,696	
	2017	97,262	33,230	133,456	228,081	145,000	30,605	55,652
Cropland fertilized, except cropland pasture .....	farms, 2022	95	37	206	497	207	19	79
	2017	105	47	191	570	259	35	106
acres treated, 2022	92,442	22,225	117,838	165,799	100,570	19,605	61,869	
	2017	75,044	30,673	123,640	221,668	141,762	29,053	54,961
Pastureland and rangeland fertilized .....	farms, 2022	6	8	55	86	18	4	27
	2017	16	7	60	135	45	5	11
acres treated, 2022	830	1,380	11,906	3,683	738	8,402	2,827	
	2017	22,218	2,557	9,816	6,413	3,238	1,552	691
Manure .....	farms, 2022	51	25	57	178	107	6	63
	2017	95	26	53	238	110	11	93
acres treated, 2022	2,505	1,650	3,585	18,078	10,143	1,150	2,544	
	2017	6,802	6,153	5,332	21,459	14,244	860	3,182
Organic fertilizer .....	farms, 2022	1	-	5	12	4	-	4
	2017	1	-	4	15	2	-	1
acres treated, 2022	(D)	-	1,340	1,741	(D)	(D)	298	
	2017	(D)	-	340	393	(D)	-	(D)
Acres treated to control- Insects .....	farms, 2022	57	25	49	202	78	3	34
	2017	37	39	62	286	143	5	39
acres, 2022	22,023	8,714	17,742	71,531	29,226	1,186	9,268	
	2017	16,036	10,783	47,151	121,222	98,231	15,685	46,442
Weeds, grass, or brush .....	farms, 2022	158	40	247	591	236	17	133
	2017	147	50	214	630	283	33	139
acres, 2022	112,718	30,039	187,136	213,406	158,337	19,332	70,729	
	2017	166,179	60,789	201,096	296,955	198,852	56,183	123,303
Nematodes .....	farms, 2022	4	-	12	51	9	-	3
	2017	-	-	9	35	19	-	4
acres, 2022	(D)	-	558	12,079	4,221	-	1,003	
	2017	-	-	1,781	14,859	3,966	-	(D)
Diseases in crops and orchards .....	farms, 2022	8	2	27	76	21	1	8
	2017	6	-	14	49	33	-	6
acres, 2022	9,884	(D)	5,216	20,613	7,785	(D)	2,708	
	2017	13,340	-	7,575	14,237	9,336	-	18,289
Chemicals used to control growth, thin fruit, ripen, or defoliate .....	farms, 2022	6	4	3	12	2	-	2
	2017	-	-	1	9	-	-	-
acres on which used, 2022	480	628	120	253	(D)	-	(D)	
	2017	-	-	(D)	119	-	-	-

--continued

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

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

Item	Perkins	Potter	Roberts	Sanborn	Spink	Stanley	Sully
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	121	146	392	157	404	54	125
..... farms, 2017	121	145	417	205	397	63	132
..... acres treated, 2022	131,105	229,530	203,760	95,119	381,277	111,352	295,123
..... acres treated, 2017	82,322	232,346	266,161	116,475	499,292	92,793	283,034
Cropland fertilized, except cropland pasture ..... farms, 2022	107	144	388	137	396	54	125
..... farms, 2017	116	145	389	202	388	61	131
..... acres treated, 2022	105,025	229,418	202,506	92,722	378,379	(D)	293,483
..... acres treated, 2017	(D)	(D)	262,463	103,420	489,244	92,705	(D)
Pastureland and rangeland fertilized ..... farms, 2022	18	3	11	34	20	1	7
..... farms, 2017	6	2	41	29	49	3	2
..... acres treated, 2022	26,080	112	1,254	2,397	2,898	(D)	1,640
..... acres treated, 2017	(D)	(D)	3,698	13,055	10,048	88	(D)
Manure ..... farms, 2022	35	11	118	39	44	17	11
..... farms, 2017	51	13	144	56	83	13	17
..... acres treated, 2022	4,310	1,240	14,273	2,289	3,457	2,097	1,254
..... acres treated, 2017	5,076	1,522	16,023	4,317	20,920	852	1,909
Organic fertilizer ..... farms, 2022	1	2	2	2	1	1	-
..... farms, 2017	-	-	12	-	2	-	-
..... acres treated, 2022	(D)	(D)	(D)	(D)	(D)	(D)	-
..... acres treated, 2017	-	-	3,160	-	(D)	-	-
Acres treated to control-							
Insects ..... farms, 2022	23	35	81	41	116	20	54
..... farms, 2017	18	50	111	57	127	46	86
..... acres, 2022	15,827	21,128	33,570	30,361	65,313	8,180	83,022
..... acres, 2017	23,793	68,632	55,635	34,758	145,569	30,396	126,384
Weeds, grass, or brush ..... farms, 2022	146	150	432	188	403	67	134
..... farms, 2017	130	149	387	207	393	85	131
..... acres, 2022	118,709	294,034	322,761	121,252	584,166	119,938	324,524
..... acres, 2017	110,514	393,150	350,945	157,412	745,434	136,473	451,060
Nematodes ..... farms, 2022	2	3	21	11	19	3	6
..... farms, 2017	-	-	16	11	12	2	6
..... acres, 2022	(D)	610	4,254	3,176	19,325	96	1,974
..... acres, 2017	-	-	12,919	2,882	5,627	(D)	1,068
Diseases in crops and orchards ..... farms, 2022	12	32	23	6	39	8	20
..... farms, 2017	-	16	13	10	57	8	24
..... acres, 2022	12,453	17,662	5,271	1,592	17,798	2,160	27,166
..... acres, 2017	-	9,106	9,323	3,022	72,588	12,028	12,523
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	3	6	13	1	14	2	1
..... farms, 2017	1	-	2	-	2	-	-
..... acres on which used, 2022	(D)	3,000	2,468	(D)	2,335	(D)	(D)
..... acres on which used, 2017	(D)	-	(D)	-	(D)	-	-
Item	Todd	Tripp	Turner	Union	Walworth	Yankton	Ziebach
Commercial fertilizer, lime, and soil conditioners ..... farms, 2022	46	318	412	355	114	340	45
..... farms, 2017	85	378	470	389	131	381	67
..... acres treated, 2022	23,646	215,362	278,907	137,924	147,214	134,560	72,914
..... acres treated, 2017	28,714	210,372	285,166	208,706	154,474	188,396	88,757
Cropland fertilized, except cropland pasture ..... farms, 2022	45	296	384	339	112	330	45
..... farms, 2017	74	363	450	365	127	367	67
..... acres treated, 2022	(D)	201,444	274,327	133,937	145,031	130,809	72,914
..... acres treated, 2017	26,766	196,720	278,441	202,340	147,237	177,408	86,857
Pastureland and rangeland fertilized ..... farms, 2022	1	38	51	69	5	41	-
..... farms, 2017	11	41	88	78	18	94	4
..... acres treated, 2022	(D)	13,918	4,580	3,987	2,183	3,751	-
..... acres treated, 2017	1,948	13,652	6,725	6,366	7,237	10,988	1,900
Manure ..... farms, 2022	17	78	130	73	20	87	8
..... farms, 2017	46	117	145	111	25	134	8
..... acres treated, 2022	1,391	20,012	16,166	8,048	1,920	9,497	3,464
..... acres treated, 2017	3,438	12,302	9,873	14,117	9,390	8,843	402
Organic fertilizer ..... farms, 2022	2	2	8	2	-	20	3
..... farms, 2017	-	4	3	6	-	9	-
..... acres treated, 2022	(D)	(D)	1,292	(D)	-	6,994	3,000
..... acres treated, 2017	-	1,238	790	1,741	-	497	-
Acres treated to control-							
Insects ..... farms, 2022	7	117	89	123	20	97	18
..... farms, 2017	29	135	183	129	30	126	18
..... acres, 2022	1,640	42,353	91,755	49,379	15,331	35,051	21,296
..... acres, 2017	24,707	54,048	132,506	48,042	20,355	57,555	22,555
Weeds, grass, or brush ..... farms, 2022	54	319	414	361	132	359	50
..... farms, 2017	59	349	473	361	132	365	71
..... acres, 2022	26,216	221,993	332,671	157,779	198,868	155,214	93,687
..... acres, 2017	56,139	272,002	326,308	245,399	247,268	222,649	168,424
Nematodes ..... farms, 2022	-	4	26	48	3	10	-
..... farms, 2017	-	9	46	25	16	16	-
..... acres, 2022	-	912	19,974	18,666	2,898	1,429	-
..... acres, 2017	-	4,019	15,879	9,193	10,277	4,436	-
Diseases in crops and orchards ..... farms, 2022	-	22	17	67	12	29	-
..... farms, 2017	7	32	12	28	30	16	7
..... acres, 2022	-	13,764	10,503	21,955	10,779	12,462	-
..... acres, 2017	4,708	13,638	1,235	5,025	15,574	9,214	12,485
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2022	1	6	5	24	1	9	6
..... farms, 2017	-	4	5	7	11	2	-
..... acres on which used, 2022	(D)	1,224	780	3,196	(D)	611	9,162
..... acres on which used, 2017	-	1,499	2,389	4,233	4,093	(D)	-