

Table 40. Fertilizers and Chemicals Applied: 2017 and 2012

[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, 2017	15,535	211	432	82	375	455
	2012	15,887	275	414	84	452	474
acres treated, 2017	11,331,760	156,076	328,572	84,832	158,950	210,691	
	2012	11,331,665	164,151	338,128	71,247	201,808	209,690
Cropland fertilized, except cropland pasture	farms, 2017	14,741	206	413	82	363	427
	2012	15,258	254	393	84	438	453
acres treated, 2017	10,915,222	140,898	310,808	81,538	148,174	202,061	
	2012	11,011,024	156,481	326,113	68,880	193,189	201,909
Pastureland and rangeland fertilized	farms, 2017	2,506	50	92	6	79	94
	2012	2,383	53	83	7	75	73
acres treated, 2017	416,538	15,178	17,764	3,294	10,776	8,630	
	2012	320,641	7,670	12,015	2,367	8,619	7,781
Manure	farms, 2017	5,223	72	162	17	153	193
	2012	4,699	82	109	6	150	202
acres treated, 2017	517,263	4,544	14,043	1,411	10,643	29,186	
	2012	446,380	14,837	7,812	415	8,414	17,344
Organic fertilizer (see text)	farms, 2017	209	3	5	-	6	1
	2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	42,495	346	619	-	1,152	(D)	
	2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--	farms, 2017	4,984	44	135	38	84	196
	2012	6,217	63	139	28	118	193
Insects	acres, 2017	3,460,526	31,366	106,959	35,328	19,969	121,573
	2012	3,397,964	30,488	79,710	20,383	40,264	73,959
Weeds, grass, or brush	farms, 2017	15,482	213	444	90	387	482
	2012	17,410	291	456	107	463	572
acres, 2017	15,562,274	165,590	455,033	117,847	188,574	290,887	
	2012	14,827,322	223,124	485,256	126,110	231,505	265,030
Nematodes	farms, 2017	579	2	13	2	6	17
	2012	634	5	13	-	25	14
acres, 2017	248,283	(D)	3,873	(D)	1,827	5,282	
	2012	240,615	1,564	2,644	-	5,999	7,297
Diseases in crops and orchards	farms, 2017	1,237	7	27	8	12	55
	2012	1,546	15	49	1	27	28
acres, 2017	760,312	5,117	10,705	30,116	3,248	39,778	
	2012	1,033,389	5,685	35,530	(D)	4,421	19,773
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2017	134	3	-	-	2	4
	2012	83	1	-	-	3	3
acres on which used, 2017	54,675	356	-	-	(D)	650	
	2012	19,443	(D)	-	-	60	(D)

Item	Brown	Brule	Buffalo	Butte	Campbell	Charles Mix	
Commercial fertilizer, lime, and soil conditioners	farms, 2017	523	224	40	139	140	474
	2012	516	226	46	130	132	474
acres treated, 2017	565,973	194,241	52,852	23,113	154,694	342,881	
	2012	553,502	154,256	53,471	21,369	132,241	304,064
Cropland fertilized, except cropland pasture	farms, 2017	497	219	39	123	140	448
	2012	499	211	45	125	126	460
acres treated, 2017	561,925	181,874	51,242	20,216	153,294	314,261	
	2012	549,809	146,712	(D)	19,883	131,020	284,679
Pastureland and rangeland fertilized	farms, 2017	44	34	6	25	5	137
	2012	40	42	2	10	11	100
acres treated, 2017	4,048	12,367	1,610	2,897	1,400	28,620	
	2012	3,693	7,544	(D)	1,486	1,221	19,385
Manure	farms, 2017	119	76	16	47	33	186
	2012	103	66	10	48	26	162
acres treated, 2017	10,588	7,882	2,259	2,451	2,503	17,108	
	2012	6,993	5,949	796	4,255	2,509	16,374
Organic fertilizer (see text)	farms, 2017	10	5	-	1	-	4
	2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2017	4,166	3,084	-	(D)	-	1,077	
	2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--	farms, 2017	128	69	18	72	38	122
	2012	174	73	25	42	61	150
Insects	acres, 2017	111,059	42,810	13,252	10,103	24,330	43,741
	2012	124,137	41,090	20,726	4,860	34,380	68,723
Weeds, grass, or brush	farms, 2017	519	228	38	120	125	460
	2012	578	247	47	174	141	507
acres, 2017	761,269	222,255	68,684	30,114	225,311	394,717	
	2012	703,476	217,051	67,299	30,070	163,555	396,789
Nematodes	farms, 2017	7	6	1	3	-	13
	2012	25	5	2	1	1	8
acres, 2017	4,204	1,015	(D)	275	-	1,831	
	2012	13,871	(D)	(D)	(D)	(D)	1,601
Diseases in crops and orchards	farms, 2017	19	26	4	9	27	57
	2012	62	22	12	2	27	46
acres, 2017	7,987	22,704	4,555	1,946	6,692	20,787	
	2012	33,863	8,921	11,785	(D)	19,642	11,664
Chemicals used to control growth, thin fruit, ripen, or defoliate	farms, 2017	1	-	1	1	1	6
	2012	3	-	-	-	1	4
acres on which used, 2017	(D)	-	(D)	(D)	(D)	2,598	
	2012	(D)	(D)	-	(D)	984	

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Table 40. Fertilizers and Chemicals Applied: 2017 and 2012 (continued)

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

Item	Clark	Clay	Codington	Corson	Custer	Davison
Commercial fertilizer, lime, and soil conditionersfarms, 2017	332	303	295	148	59	221
.....farms, 2012	358	310	325	161	32	225
.....acres treated, 2017	292,439	171,182	157,198	150,683	6,116	134,970
.....acres treated, 2012	261,786	168,693	159,753	158,611	11,366	139,163
Cropland fertilized, except cropland pasturefarms, 2017	322	293	271	143	48	208
.....farms, 2012	355	301	308	161	25	206
.....acres treated, 2017	287,669	168,120	153,198	146,749	5,745	129,830
.....acres treated, 2012	256,230	165,790	157,091	157,536	8,671	135,322
Pastureland and rangeland fertilizedfarms, 2017	35	44	39	9	16	48
.....farms, 2012	38	35	34	3	14	44
.....acres treated, 2017	4,770	3,062	4,000	3,934	371	5,140
.....acres treated, 2012	5,556	2,903	2,662	1,075	2,695	3,841
Manurefarms, 2017	110	67	98	46	34	70
.....farms, 2012	102	53	124	29	18	71
.....acres treated, 2017	12,778	5,121	11,613	2,473	1,219	6,012
.....acres treated, 2012	8,410	2,746	16,218	1,987	1,565	7,380
Organic fertilizer (see text)farms, 2017	-	7	9	1	3	-
.....farms, 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
.....acres treated, 2017	-	1,073	458	(D)	(D)	-
.....acres treated, 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--						
Insectsfarms, 2017	95	114	57	52	14	41
.....farms, 2012	132	155	127	86	21	52
.....acres, 2017	106,084	49,276	30,403	76,727	1,009	16,191
.....acres, 2012	55,880	64,021	41,524	70,920	4,115	13,485
Weeds, grass, or brushfarms, 2017	320	309	304	146	88	218
.....farms, 2012	369	316	380	151	78	233
.....acres, 2017	357,089	203,824	234,537	279,600	13,208	180,455
.....acres, 2012	313,550	216,739	216,056	171,030	25,742	181,929
Nematodesfarms, 2017	14	35	2	-	-	3
.....farms, 2012	12	39	8	2	-	5
.....acres, 2017	5,955	16,452	(D)	-	-	280
.....acres, 2012	7,052	17,374	2,251	(D)	-	943
Diseases in crops and orchardsfarms, 2017	27	34	23	5	2	11
.....farms, 2012	58	24	40	49	1	16
.....acres, 2017	16,140	10,262	8,970	7,050	(D)	1,441
.....acres, 2012	32,713	8,841	14,129	35,089	(D)	2,075
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	6	4	2	-	-	1
.....farms, 2012	1	-	3	3	-	-
.....acres on which used, 2017	3,247	1,900	(D)	(D)	-	(D)
.....acres on which used, 2012	(D)	-	(D)	(D)	-	-

Item	Day	Deuel	Dewey	Douglas	Edmunds	Fall River	Faulk
Commercial fertilizer, lime, and soil conditionersfarms, 2017	280	317	76	265	234	54	229
.....farms, 2012	294	338	83	290	264	39	204
.....acres treated, 2017	288,129	148,144	55,542	152,662	352,339	12,697	237,457
.....acres treated, 2012	220,745	139,720	63,375	146,797	329,374	10,533	236,482
Cropland fertilized, except cropland pasturefarms, 2017	273	301	71	255	231	49	212
.....farms, 2012	290	317	82	290	263	29	200
.....acres treated, 2017	283,950	142,320	51,674	142,478	344,542	8,792	226,932
.....acres treated, 2012	219,250	131,427	63,033	139,781	324,614	7,053	231,203
Pastureland and rangeland fertilizedfarms, 2017	27	44	7	62	19	6	50
.....farms, 2012	24	64	5	49	21	10	21
.....acres treated, 2017	4,179	5,824	3,868	10,184	7,797	3,905	10,525
.....acres treated, 2012	1,495	8,293	342	7,016	4,760	3,480	5,279
Manurefarms, 2017	92	173	23	73	49	29	63
.....farms, 2012	68	166	16	121	64	16	59
.....acres treated, 2017	9,569	10,340	4,942	6,647	5,277	2,953	6,229
.....acres treated, 2012	4,657	17,397	843	9,897	4,707	2,693	5,162
Organic fertilizer (see text)farms, 2017	1	4	-	6	-	-	6
.....farms, 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
.....acres treated, 2017	(D)	632	-	900	-	-	8,373
.....acres treated, 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--							
Insectsfarms, 2017	42	115	34	49	23	11	35
.....farms, 2012	67	117	34	93	82	20	62
.....acres, 2017	34,657	49,323	17,525	27,169	91,955	1,879	27,907
.....acres, 2012	36,749	40,940	22,128	27,060	91,906	2,235	68,625
Weeds, grass, or brushfarms, 2017	283	329	73	249	240	88	211
.....farms, 2012	315	339	85	302	280	76	213
.....acres, 2017	396,488	177,079	96,433	186,456	514,433	18,311	332,506
.....acres, 2012	290,142	158,541	115,160	171,344	422,224	30,017	329,446
Nematodesfarms, 2017	3	13	-	8	9	-	4
.....farms, 2012	3	11	-	9	9	2	6
.....acres, 2017	2,258	7,330	-	3,554	3,083	-	1,007
.....acres, 2012	430	1,588	-	1,446	11,493	(D)	4,902
Diseases in crops and orchardsfarms, 2017	18	22	5	20	22	-	22
.....farms, 2012	26	18	8	34	30	2	38
.....acres, 2017	8,439	4,680	1,220	6,339	21,198	-	22,294
.....acres, 2012	19,330	10,534	4,590	5,705	29,091	(D)	41,522
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	-	-	-	1	14	1	3
.....farms, 2012	-	-	-	-	-	-	-
.....acres on which used, 2017	-	-	-	(D)	5,107	(D)	4,350
.....acres on which used, 2012	-	-	-	-	-	-	-

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Table 40. Fertilizers and Chemicals Applied: 2017 and 2012 (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, 2017	324	317	112	264	271	213	54
..... 2012	339	288	105	259	252	228	51
..... acres treated, 2017	199,343	120,836	166,379	178,311	328,681	163,247	41,347
..... 2012	205,351	134,488	121,566	182,663	337,843	157,721	35,765
Cropland fertilized, except cropland pasture farms, 2017	317	301	111	255	256	201	50
..... 2012	328	273	105	250	242	215	49
..... acres treated, 2017	195,146	114,189	153,024	171,592	320,918	158,019	40,950
..... 2012	202,823	129,009	121,566	178,364	333,465	148,596	(D)
Pastureland and rangeland fertilized farms, 2017	31	48	8	51	39	43	4
..... 2012	24	46	-	44	25	70	3
..... acres treated, 2017	4,197	6,647	13,355	6,719	7,763	5,228	397
..... 2012	2,528	5,479	-	4,299	4,378	9,125	(D)
Manure farms, 2017	118	103	38	92	64	52	41
..... 2012	139	77	15	105	47	85	14
..... acres treated, 2017	15,944	6,848	1,978	9,484	7,768	6,768	2,012
..... 2012	15,761	3,408	1,758	9,555	5,502	5,599	805
Organic fertilizer (see text) farms, 2017	4	7	-	19	-	3	-
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2017	303	1,280	-	2,860	-	(D)	-
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--							
Insects farms, 2017	82	131	57	53	68	38	25
..... 2012	144	85	41	124	115	69	6
..... acres, 2017	44,373	45,927	33,917	34,371	126,749	52,997	21,298
..... 2012	48,239	33,481	24,760	42,782	147,071	29,565	9,291
Weeds, grass, or brush farms, 2017	303	293	127	256	264	213	74
..... 2012	374	302	129	276	274	251	59
..... acres, 2017	269,930	148,512	195,746	230,335	505,694	207,875	57,940
..... 2012	261,862	166,957	232,484	206,668	437,056	201,615	57,611
Nematodes farms, 2017	20	6	2	10	5	5	-
..... 2012	20	8	-	7	4	7	-
..... acres, 2017	14,883	1,408	(D)	3,937	5,561	1,388	-
..... 2012	3,402	2,200	-	4,379	7,344	1,900	-
Diseases in crops and orchards farms, 2017	26	39	16	10	31	15	4
..... 2012	43	27	9	29	48	28	4
..... acres, 2017	13,137	16,840	36,626	1,961	46,393	3,928	(D)
..... 2012	16,597	12,078	20,705	9,265	54,245	6,239	(D)
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017	5	6	3	-	-	1	1
..... 2012	2	-	-	-	1	1	2
..... acres on which used, 2017	1,196	240	9,000	-	-	(D)	(D)
..... 2012	(D)	-	-	-	(D)	(D)	(D)
Item	Hughes	Hutchinson	Hyde	Jackson	Jerauld	Jones	Kingsbury
Commercial fertilizer, lime, and soil conditioners farms, 2017	155	482	100	75	142	76	379
..... 2012	138	515	120	74	112	69	342
..... acres treated, 2017	166,051	272,109	114,908	65,333	121,014	106,160	250,633
..... 2012	165,142	306,175	109,609	58,450	105,495	88,128	251,128
Cropland fertilized, except cropland pasture farms, 2017	149	458	94	72	138	75	373
..... 2012	135	497	120	72	108	69	338
..... acres treated, 2017	161,522	256,205	110,192	63,031	115,176	(D)	243,189
..... 2012	160,987	292,852	106,499	57,328	100,375	88,128	238,316
Pastureland and rangeland fertilized farms, 2017	14	119	20	6	17	1	50
..... 2012	13	130	9	5	27	-	60
..... acres treated, 2017	4,529	15,904	4,716	2,302	5,838	(D)	7,444
..... 2012	4,155	13,323	3,110	1,122	5,120	-	12,812
Manure farms, 2017	28	192	22	23	40	5	101
..... 2012	21	185	23	12	45	11	114
..... acres treated, 2017	7,453	24,299	3,138	1,829	4,055	1,262	5,134
..... 2012	3,768	14,714	2,136	1,001	2,537	(D)	10,358
Organic fertilizer (see text) farms, 2017	-	11	-	2	5	-	11
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2017	-	1,067	-	(D)	1,860	-	1,828
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--							
Insects farms, 2017	66	182	37	40	56	50	108
..... 2012	63	162	50	49	39	40	138
..... acres, 2017	86,833	73,465	44,442	29,082	34,503	42,207	94,368
..... 2012	70,734	55,392	29,493	37,060	46,123	40,167	77,196
Weeds, grass, or brush farms, 2017	144	456	100	88	140	82	353
..... 2012	161	556	137	105	131	90	366
..... acres, 2017	222,248	310,726	173,010	95,958	178,647	162,956	358,137
..... 2012	234,081	364,090	125,211	103,657	156,492	163,312	339,124
Nematodes farms, 2017	1	19	1	1	3	-	10
..... 2012	5	9	-	-	-	1	10
..... acres, 2017	(D)	5,937	(D)	(D)	(D)	-	1,264
..... 2012	1,282	4,104	-	-	-	(D)	3,204
Diseases in crops and orchards farms, 2017	22	30	12	8	12	9	38
..... 2012	31	28	18	3	10	16	17
..... acres, 2017	17,086	5,015	5,422	12,936	8,508	6,085	9,818
..... 2012	39,339	3,489	14,897	9,987	8,840	18,141	14,970
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017	1	-	-	4	-	3	2
..... 2012	-	-	-	1	-	-	2
..... acres on which used, 2017	(D)	-	-	431	-	580	(D)
..... 2012	-	-	-	(D)	-	-	(D)

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Table 40. Fertilizers and Chemicals Applied: 2017 and 2012 (continued)

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

Item	Lake	Lawrence	Lincoln	Lyman	McCook	McPherson	Marshall
Commercial fertilizer, lime, and soil conditionersfarms, 2017	305	36	488	210	345	197	259
.....farms, 2012	288	43	541	219	356	188	227
.....acres treated, 2017	181,094	4,074	207,155	190,171	212,067	168,465	181,655
.....acres treated, 2012	153,826	3,042	256,471	274,457	224,228	152,171	168,564
Cropland fertilized, except cropland pasturefarms, 2017	290	28	448	206	306	181	240
.....farms, 2012	266	31	511	219	335	182	220
.....acres treated, 2017	174,316	3,946	204,368	187,649	201,826	165,176	177,803
.....acres treated, 2012	145,994	2,140	251,181	272,701	215,016	150,696	166,203
Pastureland and rangeland fertilizedfarms, 2017	65	10	87	10	104	24	32
.....farms, 2012	79	13	88	9	92	17	18
.....acres treated, 2017	6,778	128	2,787	2,522	10,241	3,289	3,852
.....acres treated, 2012	7,832	902	5,290	1,756	9,212	1,475	2,361
Manurefarms, 2017	88	55	176	25	145	89	113
.....farms, 2012	98	18	140	18	113	69	89
.....acres treated, 2017	8,874	1,815	18,725	1,907	14,520	5,753	12,890
.....acres treated, 2012	6,187	222	7,262	2,189	8,029	8,191	10,288
Organic fertilizer (see text)farms, 2017	6	4	2	-	3	-	1
.....farms, 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
.....acres treated, 2017	1,129	10	(D)	-	39	-	(D)
.....acres treated, 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--							
Insectsfarms, 2017	140	20	196	79	104	19	51
.....farms, 2012	152	34	272	112	145	50	66
.....acres, 2017	99,814	3,006	95,350	50,245	88,363	11,529	56,607
.....acres, 2012	66,303	2,269	148,183	75,273	71,914	21,647	27,533
Weeds, grass, or brushfarms, 2017	293	71	481	222	325	192	253
.....farms, 2012	314	92	562	247	379	197	257
.....acres, 2017	198,268	7,930	243,869	304,299	263,528	245,725	283,107
.....acres, 2012	184,281	4,800	312,662	363,162	270,538	198,197	231,907
Nematodesfarms, 2017	19	-	43	10	25	3	9
.....farms, 2012	27	4	52	2	19	6	5
.....acres, 2017	11,888	-	11,404	4,221	11,614	2,360	15,277
.....acres, 2012	9,939	(D)	19,994	(D)	7,530	6,140	6,788
Diseases in crops and orchardsfarms, 2017	41	3	27	11	20	21	12
.....farms, 2012	27	4	20	45	16	13	8
.....acres, 2017	16,750	3	11,063	6,438	5,436	19,568	11,758
.....acres, 2012	13,330	(D)	5,455	33,989	4,250	8,781	4,751
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	2	-	3	4	-	4	-
.....farms, 2012	1	3	-	4	-	1	-
.....acres on which used, 2017	(D)	-	(D)	960	-	1,584	-
.....acres on which used, 2012	(D)	54	-	5,600	-	(D)	-

Item	Meade	Mellette	Miner	Minnehaha	Moody	Oglala Lakota	Pennington
Commercial fertilizer, lime, and soil conditionersfarms, 2017	118	49	212	637	275	37	114
.....farms, 2012	113	77	258	650	275	24	83
.....acres treated, 2017	97,262	33,230	133,456	228,081	145,000	30,605	55,652
.....acres treated, 2012	70,818	27,176	157,169	239,128	142,047	15,310	75,234
Cropland fertilized, except cropland pasturefarms, 2017	105	47	191	570	259	35	106
.....farms, 2012	101	77	242	590	261	23	75
.....acres treated, 2017	75,044	30,673	123,640	221,668	141,762	29,053	54,961
.....acres treated, 2012	(D)	(D)	144,598	228,136	139,125	(D)	74,396
Pastureland and rangeland fertilizedfarms, 2017	16	7	60	135	45	5	11
.....farms, 2012	15	3	53	163	46	1	11
.....acres treated, 2017	22,218	2,557	9,816	6,413	3,238	1,552	691
.....acres treated, 2012	(D)	(D)	12,571	10,992	2,922	(D)	838
Manurefarms, 2017	95	26	53	238	110	11	93
.....farms, 2012	47	18	69	206	115	3	44
.....acres treated, 2017	6,802	6,153	5,332	21,459	14,244	860	3,182
.....acres treated, 2012	7,802	1,475	6,274	12,701	10,600	(D)	4,893
Organic fertilizer (see text)farms, 2017	1	-	4	15	2	-	1
.....farms, 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
.....acres treated, 2017	(D)	-	340	393	(D)	-	(D)
.....acres treated, 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--							
Insectsfarms, 2017	37	39	62	286	143	5	39
.....farms, 2012	40	36	69	349	140	10	58
.....acres, 2017	16,036	10,783	47,151	121,222	98,231	15,685	46,442
.....acres, 2012	21,543	13,636	23,948	115,778	73,576	7,871	22,899
Weeds, grass, or brushfarms, 2017	147	50	214	630	283	33	139
.....farms, 2012	167	87	272	676	306	36	134
.....acres, 2017	166,179	60,789	201,096	296,955	198,852	56,183	123,303
.....acres, 2012	109,584	52,619	193,110	296,001	186,790	44,292	129,658
Nematodesfarms, 2017	-	-	9	35	19	-	4
.....farms, 2012	-	2	6	48	10	-	-
.....acres, 2017	-	-	1,781	14,859	3,966	-	(D)
.....acres, 2012	-	(D)	2,376	10,938	2,230	-	-
Diseases in crops and orchardsfarms, 2017	6	-	14	49	33	-	6
.....farms, 2012	7	17	8	36	19	-	9
.....acres, 2017	13,340	-	7,575	14,237	9,336	-	18,289
.....acres, 2012	13,210	5,204	3,634	6,205	5,475	-	13,336
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms, 2017	-	-	1	9	-	-	-
.....farms, 2012	5	1	10	5	3	-	2
.....acres on which used, 2017	-	-	(D)	119	-	-	-
.....acres on which used, 2012	2,102	(D)	500	31	3	-	(D)

--continued

Table 40. Fertilizers and Chemicals Applied: 2017 and 2012 (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, 2017	121	145	417	205	397	63	132
..... 2012	156	143	399	227	435	73	124
..... acres treated, 2017	82,322	232,346	266,161	116,475	499,292	92,793	283,034
..... 2012	127,579	223,563	264,637	145,428	467,570	117,113	341,566
Cropland fertilized, except cropland pasture farms, 2017	116	145	389	202	388	61	131
..... 2012	152	142	387	220	432	69	123
..... acres treated, 2017	(D)	(D)	262,463	103,420	489,244	92,705	(D)
..... 2012	122,113	222,523	259,252	135,422	458,439	(D)	340,882
Pastureland and rangeland fertilized farms, 2017	6	2	41	29	49	3	2
..... 2012	8	4	41	46	47	4	6
..... acres treated, 2017	(D)	(D)	3,698	13,055	10,048	88	(D)
..... 2012	5,466	1,040	5,385	10,006	9,131	(D)	684
Manure farms, 2017	51	13	144	56	83	13	17
..... 2012	38	17	142	50	84	4	12
..... acres treated, 2017	5,076	1,522	16,023	4,317	20,920	852	1,909
..... 2012	3,006	7,370	30,962	4,409	8,729	210	4,763
Organic fertilizer (see text) farms, 2017	-	-	12	-	2	-	-
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2017	-	-	3,160	-	(D)	-	-
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--							
Insects farms, 2017	18	50	111	57	127	46	86
..... 2012	61	61	147	64	143	37	86
..... acres, 2017	23,793	68,632	55,635	34,758	145,569	30,396	126,384
..... 2012	28,157	76,521	56,974	25,264	140,015	57,034	133,702
Weeds, grass, or brush farms, 2017	130	149	387	207	393	85	131
..... 2012	173	155	464	252	460	78	135
..... acres, 2017	110,514	393,150	350,945	157,412	745,434	136,473	451,660
..... 2012	150,869	335,923	352,907	180,764	598,628	135,926	438,136
Nematodes farms, 2017	-	-	16	11	12	2	6
..... 2012	-	6	7	11	12	1	3
..... acres, 2017	-	-	12,919	2,882	5,627	(D)	1,068
..... 2012	-	1,672	2,540	2,235	4,137	(D)	2,680
Diseases in crops and orchards farms, 2017	-	16	13	10	57	8	24
..... 2012	20	31	36	11	72	10	34
..... acres, 2017	-	9,106	9,323	3,022	72,588	12,028	12,523
..... 2012	16,563	49,177	14,436	4,081	56,709	46,084	62,679
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017	1	-	2	-	2	-	-
..... 2012	-	-	4	-	1	-	2
..... acres on which used, 2017	(D)	-	(D)	-	(D)	-	-
..... 2012	-	-	315	-	(D)	-	(D)

Item	Todd	Tripp	Turner	Union	Walworth	Yankton	Ziebach
Commercial fertilizer, lime, and soil conditioners farms, 2017	85	378	470	389	131	381	67
..... 2012	52	379	519	370	130	445	55
..... acres treated, 2017	28,714	210,372	285,166	208,706	154,474	188,396	88,757
..... 2012	47,618	256,523	269,335	196,278	157,007	209,131	38,827
Cropland fertilized, except cropland pasture farms, 2017	74	363	450	365	127	367	67
..... 2012	48	367	503	364	126	421	55
..... acres treated, 2017	26,766	196,720	278,441	202,340	147,237	177,408	86,857
..... 2012	41,288	252,141	263,189	191,130	154,984	204,661	38,827
Pastureland and rangeland fertilized farms, 2017	11	41	88	78	18	94	4
..... 2012	5	34	114	64	9	79	-
..... acres treated, 2017	1,948	13,652	6,725	6,366	7,237	10,988	1,900
..... 2012	6,330	4,382	6,146	5,148	2,023	4,470	-
Manure farms, 2017	46	117	145	111	25	134	8
..... 2012	11	84	186	82	34	138	6
..... acres treated, 2017	3,438	12,302	9,873	14,117	9,390	8,843	402
..... 2012	704	10,946	16,146	6,999	5,009	8,875	215
Organic fertilizer (see text) farms, 2017	-	4	3	6	-	9	-
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
..... acres treated, 2017	-	1,238	790	1,741	-	497	-
..... 2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Acres treated to control--							
Insects farms, 2017	29	135	183	129	30	126	18
..... 2012	20	142	214	201	59	188	22
..... acres, 2017	24,707	54,048	132,506	48,042	20,355	57,555	22,555
..... 2012	10,975	63,537	95,347	100,591	50,832	87,823	9,157
Weeds, grass, or brush farms, 2017	59	349	473	361	132	365	71
..... 2012	55	398	551	368	140	457	67
..... acres, 2017	56,139	272,002	326,308	245,399	247,268	222,649	168,424
..... 2012	44,785	345,740	312,513	242,565	200,316	241,264	67,980
Nematodes farms, 2017	-	9	46	25	16	16	-
..... 2012	-	9	53	46	2	27	-
..... acres, 2017	-	4,019	15,879	9,193	10,277	4,436	-
..... 2012	-	2,531	18,266	10,048	(D)	9,709	-
Diseases in crops and orchards farms, 2017	7	32	12	28	30	16	7
..... 2012	7	60	14	21	38	12	5
..... acres, 2017	4,708	13,638	1,235	5,025	15,574	9,214	12,485
..... 2012	4,772	22,705	2,057	8,090	19,930	5,325	8,026
Chemicals used to control growth, thin fruit, ripen, or defoliate farms, 2017	-	4	5	7	11	2	-
..... 2012	-	1	1	1	2	3	-
..... acres on which used, 2017	-	1,499	2,389	4,233	4,093	(D)	-
..... 2012	-	(D)	(D)	(D)	(D)	45	-