

Table 39. Fertilizers and Chemicals Applied: 2002 and 1997

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Minnesota	Aitkin	Anoka	Becker	Beltrami	Benton	Big Stone	Blue Earth
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	40,541	78	133	339	229	448	303	746
1997	49,204	285	236	533	309	589	341	798
acres treated, 2002	13,508,782	26,260	17,144	143,311	28,954	107,041	154,057	196,584
1997	13,375,169	24,620	19,782	192,438	45,328	93,518	134,281	205,776
Cropland fertilized, except cropland pastured farms, 2002	39,644	78	133	339	217	430	303	738
1997	48,529	279	230	517	309	589	331	789
acres treated, 2002	13,390,425	(D)	16,944	142,967	26,984	106,207	152,551	196,336
1997	13,283,230	22,828	19,753	191,919	43,238	93,281	134,176	205,651
Pastureland and rangeland fertilized farms, 2002	3,173	1	28	15	33	55	14	10
1997	2,577	30	11	43	40	21	10	11
acres treated, 2002	118,357	(D)	200	344	1,970	834	1,506	248
1997	91,939	1,792	29	519	2,090	237	105	125
Manure farms, 2002	22,288	128	100	271	128	334	100	278
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	1,864,031	5,904	1,457	22,992	7,295	26,238	4,986	29,279
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	8,694	37	22	36	18	30	19	129
1997	9,862	10	24	61	43	58	12	106
acres treated, 2002	1,634,613	3,629	4,375	11,176	3,100	4,357	4,699	14,844
1997	1,533,162	4,832	1,502	7,576	5,733	7,956	3,998	12,243
Weeds, grass, or brush farms, 2002	31,615	67	78	339	75	363	251	566
1997	38,509	86	133	338	67	449	289	720
acres treated, 2002	11,820,351	11,113	13,331	112,134	9,062	77,198	138,301	226,686
1997	13,748,064	3,788	16,655	143,269	15,344	70,661	192,694	287,834
Nematodes farms, 2002	861	-	3	2	2	1	-	10
1997	787	-	-	2	-	-	-	-
acres treated, 2002	166,242	-	140	(D)	(D)	(D)	-	1,365
1997	111,463	-	-	(D)	(D)	(D)	-	-
Diseases in crops and orchards farms, 2002	1,676	12	23	37	-	3	1	26
1997	2,366	6	17	33	8	3	2	1
acres treated, 2002	650,627	1,588	3,411	6,230	-	42	(D)	715
1997	681,044	(D)	1,012	10,727	1,877	(D)	(D)	(D)
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	400	4	20	18	-	1	1	1
1997	1,090	-	-	2	7	17	8	17
acres on which used, 2002	107,195	388	105	1,674	-	(D)	(D)	(D)
1997	246,589	-	-	(D)	3,164	863	1,269	7,443

Item	Brown	Carlton	Carver	Cass	Chippewa	Chisago	Clay	Clearwater
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	777	152	515	254	452	368	464	189
1997	894	234	595	258	463	469	597	248
acres treated, 2002	202,056	9,322	83,697	25,551	171,253	49,560	367,721	52,559
1997	183,546	12,359	85,971	29,931	182,813	47,028	387,266	53,199
Cropland fertilized, except cropland pastured farms, 2002	765	152	476	246	415	341	459	187
1997	894	223	595	238	463	467	592	231
acres treated, 2002	201,756	8,961	82,962	24,201	170,963	48,179	366,806	50,531
1997	183,492	11,043	85,898	28,501	182,813	46,137	386,888	51,454
Pastureland and rangeland fertilized farms, 2002	12	47	65	29	38	65	37	26
1997	9	34	17	30	-	50	22	46
acres treated, 2002	300	361	735	1,350	290	1,381	915	2,028
1997	54	1,316	73	1,430	-	891	378	1,745
Manure farms, 2002	396	136	361	177	125	194	109	105
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	51,611	7,728	21,216	5,732	13,992	4,638	10,028	4,665
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	275	15	119	35	45	26	138	18
1997	171	12	157	12	89	83	203	31
acres treated, 2002	31,693	169	9,053	1,506	12,835	8,780	55,626	10,289
1997	17,389	57	13,490	911	12,747	6,293	67,868	12,446
Weeds, grass, or brush farms, 2002	586	40	417	57	324	285	344	98
1997	731	82	459	72	413	321	502	118
acres treated, 2002	139,121	1,562	58,554	4,174	150,129	46,284	304,233	25,827
1997	216,643	1,856	67,743	6,775	239,820	27,450	367,273	13,786
Nematodes farms, 2002	82	-	14	1	-	-	20	1
1997	10	-	26	-	-	12	23	-
acres treated, 2002	17,111	-	1,140	(D)	-	-	3,770	(D)
1997	710	-	2,310	-	-	(D)	7,096	-
Diseases in crops and orchards farms, 2002	7	1	10	1	23	2	80	13
1997	13	5	16	11	87	38	116	7
acres treated, 2002	120	(D)	52	(D)	8,573	(D)	37,405	3,365
1997	1,298	5	116	730	19,566	2,352	47,462	9,298
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	7	-	1	1	2	9	5	1
1997	35	9	1	3	13	24	21	7
acres on which used, 2002	70	-	(D)	(D)	(D)	405	1,002	(D)
1997	11,748	180	(D)	765	4,660	332	8,063	2,950

See footnote(s) at end of table.

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Table 39. Fertilizers and Chemicals Applied: 2002 and 1997 - Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Cook	Cottonwood	Crow Wing	Dakota	Dodge	Douglas	Faribault	Fillmore
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	3	561	261	568	419	474	638	886
1997	5	634	295	574	504	565	746	1,015
acres treated, 2002	(D)	185,644	17,548	125,180	151,887	96,158	239,788	207,411
1997	29	172,491	32,804	129,646	141,380	97,702	241,277	185,903
Cropland fertilized, except cropland pastured farms, 2002	2	561	226	535	381	474	638	865
1997	5	632	274	556	504	553	739	1,005
acres treated, 2002	(D)	16,458	124,714	150,930	94,124	(D)	202,337	(D)
1997	29	171,739	30,111	128,658	140,452	96,933	241,065	181,432
Pastureland and rangeland fertilized farms, 2002	1	2	53	39	60	34	1	108
1997	-	18	44	42	44	26	16	116
acres treated, 2002	(D)	1,090	466	957	2,034	(D)	5,074	(D)
1997	-	752	2,693	988	928	769	212	4,471
Manure farms, 2002	6	174	280	308	254	253	293	585
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	242	18,994	6,484	14,370	18,384	14,690	27,658	38,551
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	-	83	26	245	142	45	187	297
1997	1	49	17	276	144	35	129	558
acres treated, 2002	(D)	30,706	(D)	27,906	33,551	3,172	32,159	43,343
1997	-	8,160	1,922	27,513	27,170	8,671	25,699	66,733
Weeds, grass, or brush farms, 2002	-	456	143	494	330	439	507	655
1997	-	582	136	386	418	483	653	724
acres treated, 2002	-	228,838	6,174	139,662	145,450	77,655	240,340	159,971
1997	-	283,958	18,376	124,158	162,541	91,636	311,488	149,971
Nematodes farms, 2002	-	16	11	9	15	-	17	11
1997	-	-	2	2	1	-	13	32
acres treated, 2002	-	4,479	44	1,231	4,065	-	479	3,190
1997	-	-	-	(D)	(D)	440	1,830	1,702
Diseases in crops and orchards farms, 2002	-	-	27	40	12	-	-	18
1997	-	-	56	56	12	-	4	7
acres treated, 2002	-	-	55	3,154	2,065	-	-	508
1997	-	522	-	4,767	8,147	-	(D)	126
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	-	-	1	14	8	-	-	-
1997	-	19	2	13	22	11	5	14
acres on which used, 2002	-	-	(D)	1,224	24	-	-	-
1997	-	2,404	(D)	1,361	5,491	395	4,627	2,351

Item	Freeborn	Goodhue	Grant	Hennepin	Houston	Hubbard	Isanti	Itasca
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	715	828	255	278	533	98	434	145
1997	824	1,081	313	328	653	192	471	170
acres treated, 2002	204,076	186,778	197,550	34,278	79,703	37,394	74,239	10,700
1997	203,280	198,010	176,789	30,458	85,415	44,730	64,613	17,007
Cropland fertilized, except cropland pastured farms, 2002	715	828	255	278	533	98	434	145
1997	824	1,063	313	287	645	192	461	170
acres treated, 2002	204,042	183,822	197,106	34,074	76,253	37,144	73,787	10,500
1997	203,017	196,719	176,719	29,546	83,098	44,730	63,964	14,730
Pastureland and rangeland fertilized farms, 2002	12	60	7	71	135	5	34	25
1997	19	60	7	58	90	-	53	27
acres treated, 2002	34	2,956	444	204	3,450	250	452	200
1997	263	1,291	70	912	2,317	-	649	2,277
Manure farms, 2002	288	598	58	225	348	118	211	87
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	23,464	53,457	3,595	5,630	20,897	11,675	6,664	3,550
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	169	258	19	52	232	10	53	-
1997	178	442	74	67	362	11	39	26
acres treated, 2002	26,269	30,154	6,746	1,609	33,211	8,205	13,640	-
1997	18,911	53,258	13,695	4,899	31,613	(D)	4,136	251
Weeds, grass, or brush farms, 2002	585	633	221	119	429	61	331	53
1997	707	737	278	184	512	73	318	76
acres treated, 2002	217,215	159,325	193,007	29,478	65,445	19,486	66,959	1,488
1997	264,570	148,501	200,555	26,987	60,616	31,628	56,641	3,869
Nematodes farms, 2002	3	18	13	4	8	1	6	-
1997	9	37	-	4	20	-	1	-
acres treated, 2002	(D)	918	1,801	(D)	800	(D)	600	-
1997	446	2,940	-	(D)	1,101	-	(D)	-
Diseases in crops and orchards farms, 2002	17	9	8	28	10	5	-	-
1997	11	42	36	16	25	6	14	10
acres treated, 2002	5,763	450	9,780	287	1,157	6,019	-	-
1997	3,279	5,001	12,910	(D)	997	15,300	271	234
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	3	9	4	2	1	1	-	-
1997	3	-	11	5	8	(D)	16	-
acres on which used, 2002	954	450	6,865	(D)	(D)	-	-	-
1997	820	-	1,768	11	2,136	(D)	1,944	-

See footnote(s) at end of table.

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Table 39. Fertilizers and Chemicals Applied: 2002 and 1997 - Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Jackson	Kanabec	Kandiyo	Kittson	Koochiching	Lac qui Parle	Lake	Lake of the Woods
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	666	280	573	304	82	545	12	93
1997	772	311	724	348	109	623	14	124
acres treated, 2002	218,893	47,459	185,178	338,871	8,097	231,082	(D)	49,541
1997	189,562	37,748	199,653	343,015	10,171	233,130	158	56,088
Cropland fertilized, except cropland pastured farms, 2002	666	280	573	304	78	536	12	84
1997	765	311	724	341	107	612	14	124
acres treated, 2002	218,604	42,998	184,842	336,915	7,737	230,880	(D)	49,150
1997	189,062	35,357	199,395	342,315	9,991	232,162	158	55,323
Pastureland and rangeland fertilized farms, 2002	17	40	20	19	23	12	2	21
1997	15	30	20	9	5	17	-	13
acres treated, 2002	289	4,461	336	1,956	360	202	(D)	391
1997	500	2,391	258	700	180	968	-	765
Manure farms, 2002	230	148	279	46	59	202	10	23
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	38,851	10,223	40,971	6,638	1,664	16,693	(D)	1,260
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	126	21	116	52	9	103	1	19
1997	129	19	87	128	13	114	4	37
acres treated, 2002	29,788	1,692	14,136	24,507	113	31,812	(D)	7,173
1997	19,276	937	20,625	25,140	750	18,269	4	10,840
Weeds, grass, or brush farms, 2002	497	171	475	208	23	405	2	44
1997	672	196	550	287	35	553	1	63
acres treated, 2002	223,067	19,985	175,203	214,361	4,049	224,427	(D)	23,401
1997	257,436	20,178	228,994	259,220	4,281	266,641	(D)	31,143
Nematodes farms, 2002	59	-	1	6	-	1	-	1
1997	28	-	27	9	-	11	-	1
acres treated, 2002	9,771	-	(D)	8,738	-	(D)	-	-
1997	6,181	-	2,943	1,823	-	6,440	-	(D)
Diseases in crops and orchards farms, 2002	-	30	20	71	3	30	1	17
1997	18	-	30	84	12	11	4	32
acres treated, 2002	-	680	4,877	52,418	249	7,023	(D)	6,252
1997	576	-	5,318	29,039	967	6,440	4	8,550
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	9	-	7	6	4	1	-	1
1997	2	-	32	16	4	2	-	3
acres on which used, 2002	1,440	-	3,775	2,130	120	(D)	-	(D)
1997	(D)	-	8,101	6,252	(D)	(D)	-	(D)

Item	Le Sueur	Lincoln	Lyon	McLeod	Mahnomen	Marshall	Martin	Meeker
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	487	442	561	606	176	591	788	498
1997	532	441	683	767	255	751	768	646
acres treated, 2002	140,615	120,288	198,871	152,209	107,924	496,259	253,362	176,380
1997	104,009	121,642	200,178	137,650	137,991	569,426	243,366	159,061
Cropland fertilized, except cropland pastured farms, 2002	487	427	541	576	176	580	760	498
1997	526	418	675	741	255	719	768	641
acres treated, 2002	139,701	119,853	196,283	151,654	106,253	490,997	253,168	(D)
1997	103,109	121,197	199,486	137,429	137,216	565,849	242,927	157,973
Pastureland and rangeland fertilized farms, 2002	12	22	46	40	31	72	31	2
1997	15	30	34	41	9	65	8	40
acres treated, 2002	914	435	2,588	555	1,671	5,262	194	(D)
1997	900	445	692	221	775	3,577	459	1,088
Manure farms, 2002	191	195	313	312	77	99	367	300
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	11,954	18,923	42,063	17,768	7,321	6,716	52,430	24,310
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	130	35	90	99	31	154	142	81
1997	119	79	192	110	13	134	86	114
acres treated, 2002	21,070	6,863	32,041	10,060	7,289	63,504	22,385	5,528
1997	9,293	6,495	21,128	16,255	2,970	45,674	11,490	14,050
Weeds, grass, or brush farms, 2002	488	338	458	508	156	417	630	408
1997	476	375	557	612	172	570	733	542
acres treated, 2002	148,210	114,950	194,099	162,474	72,720	322,107	291,198	144,904
1997	127,110	138,821	238,317	142,921	116,356	450,916	317,133	164,287
Nematodes farms, 2002	1	-	34	1	-	14	48	-
1997	-	5	15	-	10	16	23	11
acres treated, 2002	(D)	-	11,679	(D)	(D)	3,520	8,046	-
1997	-	293	530	-	2,676	1,791	2,699	1,440
Diseases in crops and orchards farms, 2002	8	-	-	-	13	193	2	17
1997	-	13	19	2	11	157	-	10
acres treated, 2002	24	-	-	-	4,780	108,385	(D)	898
1997	-	373	2,323	(D)	8,602	67,821	-	(D)
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	2	-	-	-	6	7	1	-
1997	2	-	5	1	5	34	1	13
acres on which used, 2002	(D)	-	-	-	9,490	3,629	(D)	-
1997	(D)	-	1,015	(D)	1,157	12,500	(D)	4,544

See footnote(s) at end of table.

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Table 39. Fertilizers and Chemicals Applied: 2002 and 1997 - Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Mille Lacs	Morrison	Mower	Murray	Nicollet	Nobles	Norman	Olmsted
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	283	966	662	617	526	786	429	699
1997	462	1,238	839	679	583	845	480	760
acres treated, 2002	33,343	149,085	246,172	220,453	136,405	235,409	380,771	168,969
1997	46,316	148,834	211,800	199,308	125,374	190,154	341,640	143,993
Cropland fertilized, except cropland pastured farms, 2002	283	965	650	617	526	786	429	669
1997	458	1,224	839	676	583	835	463	753
acres treated, 2002	33,268	144,075	245,892	220,135	136,405	235,139	380,301	164,634
1997	45,963	146,807	211,727	198,989	124,334	188,690	341,250	141,887
Pastureland and rangeland fertilized farms, 2002	14	61	35	16	-	22	17	134
1997	35	74	13	13	8	21	18	64
acres treated, 2002	75	5,010	280	318	-	270	470	4,335
1997	353	2,027	73	319	1,040	1,464	390	2,106
Manure farms, 2002	222	741	363	316	291	372	130	410
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	17,428	65,947	33,024	28,982	28,715	44,575	6,884	32,961
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	39	107	156	134	74	233	83	356
1997	28	129	159	66	83	136	115	315
acres treated, 2002	6,873	8,601	25,467	32,849	10,985	48,532	25,054	36,890
1997	3,533	12,576	23,886	6,288	7,774	14,910	32,747	48,448
Weeds, grass, or brush farms, 2002	197	725	534	443	440	584	306	529
1997	282	899	703	610	536	704	408	673
acres treated, 2002	18,094	91,717	228,915	227,632	163,341	229,292	247,540	128,889
1997	35,164	92,699	278,556	266,400	183,531	262,425	326,029	153,530
Nematodes farms, 2002	-	1	-	22	12	38	3	22
1997	1	23	24	11	16	7	29	7
acres treated, 2002	(D)	(D)	(D)	3,670	(D)	2,345	1,620	2,171
1997	(D)	2,071	964	720	-	2,862	4,554	1,302
Diseases in crops and orchards farms, 2002	8	4	-	5	4	1	84	20
1997	3	15	8	1	-	41	91	38
acres treated, 2002	8	2,705	-	400	(D)	(D)	29,628	99
1997	(D)	1,668	2,556	(D)	-	4,183	31,307	856
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	-	12	1	1	-	-	5	1
1997	-	43	28	1	1	30	6	21
acres on which used, 2002	-	3,169	(D)	(D)	-	-	2,772	(D)
1997	-	4,903	3,527	(D)	(D)	-	726	4,270

Item	Otter Tail	Pennington	Pine	Pipestone	Polk	Pope	Ramsey	Red Lake
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	1,238	210	349	429	790	450	15	188
1997	1,605	367	573	456	1,002	520	31	233
acres treated, 2002	313,156	143,749	51,236	128,080	742,055	187,589	87	117,923
1997	362,724	209,387	65,193	113,024	826,608	170,076	422	125,171
Cropland fertilized, except cropland pastured farms, 2002	1,201	210	298	429	775	450	15	188
1997	1,590	354	573	456	985	520	30	225
acres treated, 2002	308,349	141,185	47,169	126,644	740,174	187,450	87	117,276
1997	359,139	207,641	63,870	111,447	823,334	169,551	(D)	120,122
Pastureland and rangeland fertilized farms, 2002	102	30	126	46	75	6	-	26
1997	95	23	42	31	36	16	1	39
acres treated, 2002	4,807	2,564	4,067	1,436	1,881	139	-	647
1997	3,585	1,746	1,323	1,577	3,274	525	(D)	5,049
Manure farms, 2002	835	65	347	271	123	216	2	74
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	71,522	1,930	16,835	18,679	10,152	19,214	(D)	4,078
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	182	7	16	112	242	83	12	39
1997	72	50	41	111	341	114	20	57
acres treated, 2002	40,455	2,380	3,356	20,719	158,412	14,247	45	7,701
1997	21,027	12,284	1,781	12,054	134,805	20,605	75	14,561
Weeds, grass, or brush farms, 2002	1,089	113	216	326	548	393	5	123
1997	1,227	301	309	421	785	519	10	160
acres treated, 2002	274,664	86,856	26,898	120,420	602,522	163,218	(D)	80,321
1997	292,286	177,065	34,898	139,263	670,577	199,019	(D)	103,055
Nematodes farms, 2002	11	-	-	16	36	12	-	-
1997	2	-	2	2	45	7	1	9
acres treated, 2002	3,157	-	-	548	27,038	71	-	-
1997	(D)	-	(D)	(D)	18,902	875	(D)	1,107
Diseases in crops and orchards farms, 2002	29	24	12	-	223	21	5	18
1997	39	36	19	7	295	22	8	21
acres treated, 2002	15,495	13,787	1,136	-	208,563	2,422	16	4,417
1997	7,816	11,470	2,655	644	142,597	5,825	25	12,146
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	4	-	-	-	44	3	2	1
1997	51	2	12	9	69	18	3	3
acres on which used, 2002	2,609	-	-	-	21,788	705	(D)	(D)
1997	5,547	(D)	587	530	28,697	2,475	13	(D)

See footnote(s) at end of table.

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Table 39. Fertilizers and Chemicals Applied: 2002 and 1997 - Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Redwood	Renville	Rice	Rock	Roseau	St. Louis	Scott	Sherburne
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	875	760	568	552	468	185	444	189
1997	931	919	635	550	575	278	393	345
acres treated, 2002	294,510	354,276	114,376	177,330	320,867	7,085	62,742	53,201
1997	262,764	329,008	109,975	136,535	377,998	11,975	57,414	49,252
Cropland fertilized, except cropland pastured farms, 2002	875	760	547	545	460	185	368	189
1997	930	919	625	531	570	267	393	339
acres treated, 2002	294,062	354,210	113,862	174,253	313,239	6,689	62,029	52,287
1997	262,654	328,832	109,569	135,746	373,645	11,234	57,414	48,872
Pastureland and rangeland fertilized farms, 2002	17	11	35	41	80	20	89	28
1997	7	18	28	46	35	29	20	20
acres treated, 2002	448	66	514	3,077	7,628	396	713	914
1997	110	176	406	789	4,353	741	-	380
Manure farms, 2002	296	341	374	169	169	213	308	141
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	33,415	46,495	22,130	30,457	12,097	8,179	11,988	6,434
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control- Insects ² farms, 2002	169	307	142	162	92	17	65	56
1997	141	182	184	129	105	21	62	56
acres treated, 2002	29,519	51,635	15,947	32,743	19,548	(D)	5,851	20,563
1997	13,234	22,869	25,112	19,833	48,124	107	6,822	11,724
Weeds, grass, or brush farms, 2002	699	607	501	360	290	77	431	194
1997	796	861	557	479	445	101	334	243
acres treated, 2002	312,443	392,482	110,889	150,931	155,362	1,309	46,675	46,152
1997	351,685	464,733	140,235	184,186	291,994	3,486	54,442	28,102
Nematodes farms, 2002	78	5	9	-	-	-	2	4
1997	10	8	23	17	-	-	16	1
acres treated, 2002	6,344	1,096	1,476	-	-	-	(D)	704
1997	780	488	4,369	2,422	-	-	-	(D)
Diseases in crops and orchards farms, 2002	4	73	13	-	20	17	21	36
1997	33	101	21	2	134	20	18	37
acres treated, 2002	1,171	22,038	37	-	9,221	33	480	7,733
1997	2,734	26,059	5,509	(D)	67,001	100	2,662	5,384
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	18	7	13	8	1	-	1	14
1997	6	17	4	20	24	7	17	23
acres on which used, 2002	1,300	1,941	640	4,992	(D)	-	(D)	4,576
1997	390	5,385	120	11,541	7,189	274	2,589	3,672

Item	Sibley	Stearns	Steele	Stevens	Swift	Todd	Traverse	Wabasha
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	689	1,587	427	312	488	795	277	580
1997	780	1,924	550	350	576	1,197	331	706
acres treated, 2002	218,227	322,328	163,955	188,720	247,992	99,800	211,952	114,421
1997	167,318	268,278	142,091	177,847	220,470	132,189	183,391	104,577
Cropland fertilized, except cropland pastured farms, 2002	689	1,559	427	307	479	795	272	570
1997	780	1,924	543	350	576	1,186	331	670
acres treated, 2002	217,915	315,551	162,838	187,830	247,270	97,903	211,202	112,189
1997	(D)	267,528	141,917	177,721	220,014	130,276	183,137	99,435
Pastureland and rangeland fertilized farms, 2002	15	158	32	8	19	49	5	63
1997	2	29	17	9	17	77	10	85
acres treated, 2002	312	6,777	1,117	890	722	1,897	750	2,232
1997	(D)	750	174	126	456	1,913	254	5,142
Manure farms, 2002	407	1,397	223	163	164	534	40	418
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	32,414	137,638	22,547	22,272	27,063	41,915	6,597	34,919
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control- Insects ² farms, 2002	235	203	128	32	38	99	42	207
1997	75	308	161	137	56	74	109	334
acres treated, 2002	29,788	23,342	29,152	7,433	11,093	8,679	18,844	20,573
1997	9,527	31,152	17,336	39,317	14,350	6,321	31,993	32,651
Weeds, grass, or brush farms, 2002	577	1,381	421	226	380	625	240	480
1997	672	1,465	465	338	530	892	318	510
acres treated, 2002	177,587	229,738	157,150	187,916	211,902	79,027	230,680	77,692
1997	207,780	188,608	153,405	213,480	287,350	87,553	230,691	88,132
Nematodes farms, 2002	59	23	1	1	3	1	-	27
1997	11	45	3	3	-	18	1	16
acres treated, 2002	6,010	1,720	(D)	(D)	(D)	(D)	-	2,265
1997	414	3,749	900	764	-	218	(D)	355
Diseases in crops and orchards farms, 2002	13	22	14	23	11	4	17	10
1997	23	8	4	2	6	13	18	11
acres treated, 2002	640	2,809	3,047	1,465	2,183	2,026	6,991	514
1997	1,839	631	717	(D)	2,210	3,683	5,547	238
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	-	2	1	3	9	11	4	4
1997	10	30	18	26	1	2	14	22
acres on which used, 2002	-	(D)	(D)	1,164	1,216	2,212	840	242
1997	1,069	4,685	5,169	3,521	(D)	(D)	4,372	1,119

See footnote(s) at end of table.

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Table 39. Fertilizers and Chemicals Applied: 2002 and 1997 - Con.

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Wadena	Waseca	Washington	Watonwan	Wilkin	Winona	Wright	Yellow Medicine
Commercial fertilizer, lime, and soil conditioners ¹ farms, 2002	281	435	227	400	297	609	618	594
1997	443	555	357	500	348	734	822	645
acres treated, 2002	39,820	129,067	38,212	134,600	281,276	113,457	123,831	233,630
1997	48,666	134,354	28,527	131,431	339,210	98,125	112,610	208,882
Cropland fertilized, except cropland pastured farms, 2002	281	435	201	400	297	598	603	594
1997	423	548	352	500	348	712	793	644
acres treated, 2002	39,220	129,067	37,078	(D)	274,375	110,008	123,031	232,870
1997	48,319	133,815	27,350	131,183	(D)	94,615	112,097	207,297
Pastureland and rangeland fertilized farms, 2002	8	-	55	1	28	103	55	11
1997	26	21	35	11	1	118	44	18
acres treated, 2002	600	-	1,134	(D)	6,901	3,449	800	760
1997	347	539	1,177	248	(D)	3,510	513	1,585
Manure farms, 2002	198	233	227	162	64	515	482	210
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	18,504	20,466	6,534	24,054	8,820	56,388	25,033	22,786
1997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-								
Insects ² farms, 2002	29	138	51	69	56	269	120	104
1997	24	157	75	49	129	347	121	131
acres treated, 2002	5,495	12,955	4,681	9,997	22,807	34,378	7,251	24,393
1997	2,325	14,680	4,973	1,860	36,755	42,193	11,287	18,547
Weeds, grass, or brush farms, 2002	182	410	220	303	254	451	574	587
1997	307	438	232	450	314	514	699	561
acres treated, 2002	24,340	136,812	53,144	148,446	284,780	81,283	92,057	337,781
1997	28,760	162,336	29,125	195,139	327,739	69,131	99,999	274,475
Nematodes farms, 2002	4	2	1	16	4	18	1	-
1997	1	12	-	11	5	28	1	20
acres treated, 2002	1,300	(D)	(D)	3,394	7,409	2,188	(D)	-
1997	(D)	1,210	-	11	4,751	1,908	(D)	2,972
Diseases in crops and orchards farms, 2002	6	3	16	-	41	8	21	3
1997	4	14	51	11	98	15	40	20
acres treated, 2002	4,855	589	1,333	-	25,461	500	618	565
1997	2,379	1,220	1,239	11	33,456	1,167	2,141	1,320
Chemicals used to control growth, thin fruit, or defoliate farms, 2002	5	-	6	-	8	17	22	14
1997	17	2	19	-	20	37	31	2
acres on which used, 2002	405	-	351	-	5,904	515	992	3,681
1997	(D)	(D)	2,708	-	1,958	2,352	883	(D)

¹ Data for 1997 exclude lime.

² Data for 1997 include treatment of crops, including hay, but not other land.