

**Table 41. Fertilizers and Chemicals Applied: 2012 and 2007**

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

Item	North Dakota	Adams	Barnes	Benson	Billings	Bottineau	Bowman	
Commercial fertilizer, lime, and soil conditioners .....	farms, 2012	14,427	155	402	283	67	366	135
	2007	15,393	160	448	308	71	451	168
	acres treated, 2012	17,482,867	238,927	553,017	407,358	60,873	546,069	210,986
	2007	18,419,224	222,918	580,817	433,636	40,920	668,231	198,847
Cropland fertilized, except cropland pasture .....	farms, 2012	14,158	151	395	281	64	365	130
	2007	15,088	160	437	302	71	448	162
	acres treated, 2012	17,364,266	238,487	551,978	406,528	57,076	545,179	209,798
	2007	18,299,137	220,710	579,602	432,652	(D)	667,020	198,091
Pastureland and rangeland fertilized .....	farms, 2012	605	6	21	6	6	8	8
	2007	696	8	20	9	7	16	9
	acres treated, 2012	118,601	440	1,039	830	3,797	890	1,188
	2007	120,087	2,208	1,215	984	(D)	1,211	756
Manure .....	farms, 2012	2,725	36	70	64	19	44	22
	2007	3,998	52	108	75	31	46	47
	acres treated, 2012	243,847	2,505	3,116	6,456	1,285	2,750	1,482
	2007	281,150	4,416	6,238	4,621	1,531	1,867	4,189
Acres treated to control--								
Insects .....	farms, 2012	5,477	75	183	88	18	173	47
	2007	4,035	25	90	79	8	159	13
	acres, 2012	5,297,112	46,697	203,482	70,207	9,663	196,317	48,563
	2007	3,007,826	12,000	63,280	55,626	5,041	115,333	10,842
Weeds, grass, or brush .....	farms, 2012	15,682	160	432	305	75	405	146
	2007	14,381	154	434	306	65	435	137
	acres, 2012	21,732,164	270,066	704,133	519,743	77,584	646,886	280,273
	2007	17,066,194	213,275	566,785	413,321	26,555	614,263	145,053
Nematodes .....	farms, 2012	358	1	13	1	-	13	1
	2007	137	-	2	1	2	2	-
	acres, 2012	304,453	(D)	6,862	(D)	-	20,926	(D)
	2007	89,308	-	(D)	(D)	(D)	(D)	-
Diseases in crops and orchards .....	farms, 2012	4,246	38	101	97	33	191	31
	2007	3,668	33	105	64	13	110	29
	acres, 2012	4,926,836	40,054	61,609	109,490	45,270	221,213	90,178
	2007	3,274,633	34,569	62,100	43,926	11,478	114,114	33,769
Chemicals used to control growth, thin fruit, ripen, or defoliate .....	farms, 2012	1,018	6	45	31	3	20	9
	2007	993	7	22	38	-	27	1
	acres on which used, 2012	702,227	669	28,893	29,251	3,600	20,322	1,393
	2007	544,427	2,720	12,244	17,885	-	24,426	(D)
Item	Burke	Burleigh	Cass	Cavalier	Dickey	Divide	Dunn	
Commercial fertilizer, lime, and soil conditioners .....	farms, 2012	197	308	598	421	267	190	247
	2007	231	287	599	413	313	270	252
	acres treated, 2012	256,865	258,909	727,893	671,884	297,825	220,480	211,455
	2007	277,081	219,764	708,783	714,686	361,449	318,282	201,189
Cropland fertilized, except cropland pasture .....	farms, 2012	196	280	580	421	263	190	236
	2007	225	267	593	413	307	269	240
	acres treated, 2012	256,475	253,261	726,892	(D)	296,067	(D)	208,314
	2007	275,387	216,567	707,850	(D)	355,853	317,310	198,050
Pastureland and rangeland fertilized .....	farms, 2012	4	38	21	2	7	2	21
	2007	8	33	21	2	16	6	23
	acres treated, 2012	390	5,648	1,001	(D)	1,758	(D)	3,141
	2007	1,694	3,197	933	(D)	5,596	972	3,139
Manure .....	farms, 2012	21	118	50	21	58	22	84
	2007	34	135	60	42	95	46	129
	acres treated, 2012	1,029	9,163	8,543	1,350	5,929	3,253	6,261
	2007	1,451	8,669	4,404	2,020	8,133	2,312	5,969
Acres treated to control--								
Insects .....	farms, 2012	50	65	342	171	100	22	63
	2007	21	72	171	119	87	22	30
	acres, 2012	59,470	37,632	296,171	186,216	101,168	14,386	29,197
	2007	21,607	24,829	129,007	115,184	80,661	27,110	26,537
Weeds, grass, or brush .....	farms, 2012	218	351	625	435	284	220	277
	2007	214	327	568	379	271	239	227
	acres, 2012	327,604	345,164	979,893	774,811	384,644	321,080	232,055
	2007	243,396	216,997	839,187	652,326	329,868	326,200	179,409
Nematodes .....	farms, 2012	1	3	23	4	7	1	-
	2007	3	1	7	2	8	-	1
	acres, 2012	(D)	377	16,809	2,665	7,298	(D)	-
	2007	(D)	(D)	5,960	(D)	1,542	-	(D)
Diseases in crops and orchards .....	farms, 2012	69	45	130	220	24	35	41
	2007	39	27	146	173	41	22	25
	acres, 2012	103,153	38,477	98,223	398,548	19,467	43,513	38,058
	2007	32,616	26,638	77,472	200,672	34,353	19,194	29,584
Chemicals used to control growth, thin fruit, ripen, or defoliate .....	farms, 2012	10	13	27	38	3	20	2
	2007	8	9	37	52	6	30	3
	acres on which used, 2012	6,186	5,231	8,917	33,687	1,418	12,430	(D)
	2007	3,603	1,520	20,691	32,999	2,130	15,787	296

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**Table 41. Fertilizers and Chemicals Applied: 2012 and 2007 (continued)**

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

Item	Eddy	Emmons	Foster	Golden Valley	Grand Forks	Grant	Griggs	Hettinger
Commercial fertilizer, lime, and soil conditioners .....farms, 2012	137	310	171	110	442	271	198	213
.....farms, 2007	148	370	170	107	450	247	190	210
.....acres treated, 2012	185,020	279,074	217,062	143,316	539,454	312,138	220,977	402,647
.....acres treated, 2007	157,235	325,347	251,462	124,607	567,867	277,671	199,754	392,651
Cropland fertilized, except cropland pasture .....farms, 2012	135	299	166	107	441	267	192	211
.....farms, 2007	143	368	165	102	447	245	187	206
.....acres treated, 2012	183,499	274,926	216,892	142,398	538,820	307,379	218,456	399,541
.....acres treated, 2007	155,861	323,311	249,769	123,693	567,336	276,855	198,900	391,827
Pastureland and rangeland fertilized .....farms, 2012	8	23	8	7	9	9	19	7
.....farms, 2007	10	11	11	10	13	9	9	5
.....acres treated, 2012	1,521	4,148	170	918	634	4,759	2,521	3,106
.....acres treated, 2007	1,374	2,036	1,693	914	531	816	854	824
Manure .....farms, 2012	53	85	44	21	30	75	71	34
.....farms, 2007	63	147	48	28	52	138	60	39
.....acres treated, 2012	4,893	7,335	4,011	2,488	5,437	5,865	3,812	7,584
.....acres treated, 2007	4,231	12,785	3,611	2,497	2,837	12,776	2,377	1,795
Acres treated to control--								
Insects .....farms, 2012	32	163	57	29	228	123	56	97
.....farms, 2007	32	147	43	15	192	37	32	41
.....acres, 2012	24,660	103,935	51,519	41,748	237,817	90,091	47,020	69,963
.....acres, 2007	15,768	76,166	33,762	4,864	159,022	18,255	13,532	51,601
Weeds, grass, or brush .....farms, 2012	163	334	186	124	474	281	201	236
.....farms, 2007	170	316	164	83	439	227	198	197
.....acres, 2012	222,612	356,716	267,017	193,536	624,147	365,463	254,779	469,016
.....acres, 2007	149,437	273,025	219,722	96,884	513,778	237,386	199,410	279,244
Nematodes .....farms, 2012	10	5	6	1	18	-	7	-
.....farms, 2007	1	2	2	2	12	1	-	-
.....acres, 2012	4,355	3,754	4,110	(D)	17,344	-	8,300	-
.....acres, 2007	(D)	-	(D)	(D)	7,852	(D)	-	-
Diseases in crops and orchards .....farms, 2012	22	57	54	40	187	45	51	65
.....farms, 2007	32	56	46	31	194	47	58	70
.....acres, 2012	14,314	34,605	39,724	63,712	209,561	43,931	54,103	107,946
.....acres, 2007	14,010	50,480	36,484	25,657	184,920	62,647	46,683	82,838
Chemicals used to control growth, thin fruit, ripen, or defoliate .....farms, 2012	9	6	14	13	58	3	24	5
.....farms, 2007	8	2	16	3	76	2	28	4
.....acres on which used, 2012	4,348	1,357	9,845	3,945	36,550	439	19,689	3,561
.....acres on which used, 2007	3,447	(D)	10,490	298	35,568	(D)	14,643	1,040
Item	Kidder	LaMoure	Logan	McHenry	McIntosh	McKenzie	McLean	Mercer
Commercial fertilizer, lime, and soil conditioners .....farms, 2012	239	344	173	364	214	239	419	195
.....farms, 2007	200	343	169	380	200	280	505	193
.....acres treated, 2012	183,830	380,802	178,482	312,052	199,686	219,871	567,152	156,263
.....acres treated, 2007	148,815	395,737	167,301	399,273	204,680	253,926	661,707	131,246
Cropland fertilized, except cropland pasture .....farms, 2012	232	341	173	361	214	236	416	176
.....farms, 2007	196	340	167	360	200	277	488	183
.....acres treated, 2012	183,408	375,236	176,979	305,817	197,203	218,626	564,628	153,449
.....acres treated, 2007	146,784	391,139	166,859	394,163	201,251	251,941	656,385	126,329
Pastureland and rangeland fertilized .....farms, 2012	8	18	5	14	10	4	12	28
.....farms, 2007	6	22	4	35	7	10	31	14
.....acres treated, 2012	422	5,566	1,503	6,235	2,483	1,245	2,524	2,814
.....acres treated, 2007	2,031	4,598	442	5,110	3,429	1,985	5,322	4,917
Manure .....farms, 2012	84	56	93	90	73	36	84	62
.....farms, 2007	116	91	101	148	65	101	144	67
.....acres treated, 2012	5,578	3,622	7,665	13,681	7,019	1,907	4,482	3,121
.....acres treated, 2007	13,012	10,145	11,379	8,665	5,058	5,420	7,473	3,419
Acres treated to control--								
Insects .....farms, 2012	76	119	47	140	90	59	152	34
.....farms, 2007	46	64	39	130	58	48	112	26
.....acres, 2012	58,662	118,192	74,858	103,105	83,150	24,189	161,423	33,141
.....acres, 2007	31,999	64,747	34,406	90,478	28,910	22,424	74,352	6,705
Weeds, grass, or brush .....farms, 2012	274	363	193	403	225	252	466	220
.....farms, 2007	206	334	164	400	190	235	449	177
.....acres, 2012	246,635	502,036	228,748	408,163	276,926	292,128	676,205	185,782
.....acres, 2007	131,031	389,626	135,140	378,760	169,849	242,002	575,838	119,095
Nematodes .....farms, 2012	1	9	-	3	11	9	5	1
.....farms, 2007	3	-	-	-	1	-	1	2
.....acres, 2012	(D)	4,489	-	992	5,410	3,308	1,033	(D)
.....acres, 2007	3,100	-	-	-	(D)	-	(D)	(D)
Diseases in crops and orchards .....farms, 2012	30	34	21	110	62	39	178	37
.....farms, 2007	31	46	15	63	29	11	125	18
.....acres, 2012	18,799	20,202	26,233	120,803	52,032	27,423	241,966	36,335
.....acres, 2007	25,455	22,327	26,160	42,917	22,496	(D)	119,777	19,169
Chemicals used to control growth, thin fruit, ripen, or defoliate .....farms, 2012	6	9	4	9	2	7	32	7
.....farms, 2007	5	12	4	11	9	6	31	3
.....acres on which used, 2012	418	4,452	4,212	4,338	(D)	805	14,879	4,237
.....acres on which used, 2007	1,171	5,454	2,224	9,899	2,470	2,100	12,457	1,366

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**Table 41. Fertilizers and Chemicals Applied: 2012 and 2007 (continued)**

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

Item	Morton	Mountrail	Nelson	Oliver	Pembina	Pierce	Ramsey	Ransom
Commercial fertilizer, lime, and soil conditioners ..... farms, 2012	425	275	195	134	313	252	275	221
..... 2007	381	344	219	127	312	256	301	248
..... acres treated, 2012	360,846	344,979	286,997	115,417	477,007	312,076	443,956	203,838
..... 2007	331,992	453,407	293,491	117,306	491,403	288,893	490,489	218,006
Cropland fertilized, except cropland pasture ..... farms, 2012	407	272	195	131	312	244	273	213
..... 2007	371	335	218	123	312	242	297	239
..... acres treated, 2012	350,893	344,429	286,167	113,103	(D)	310,436	443,533	202,685
..... 2007	326,747	446,195	293,116	114,695	490,711	284,715	486,654	215,942
Pastureland and rangeland fertilized ..... farms, 2012	38	5	6	6	2	10	9	16
..... 2007	18	14	3	13	4	27	6	23
..... acres treated, 2012	9,953	550	830	2,314	(D)	1,640	423	1,153
..... 2007	5,245	7,212	375	2,611	692	4,178	3,835	2,064
Manure ..... farms, 2012	183	24	22	56	15	60	10	73
..... 2007	206	50	31	62	28	92	23	95
..... acres treated, 2012	12,989	1,388	3,640	3,242	607	2,786	1,045	17,355
..... 2007	17,293	2,994	1,913	6,256	2,301	3,832	1,504	7,758
Acres treated to control--								
Insects ..... farms, 2012	150	113	67	38	196	71	83	83
..... 2007	42	41	55	22	141	83	81	59
..... acres, 2012	86,624	114,427	74,713	9,760	257,456	75,638	127,113	71,174
..... 2007	23,898	57,972	52,703	20,188	164,946	42,687	69,726	29,493
Weeds, grass, or brush ..... farms, 2012	454	302	219	144	340	273	282	250
..... 2007	333	285	206	106	286	254	295	246
..... acres, 2012	411,152	457,471	329,807	117,646	551,341	371,346	470,708	253,202
..... 2007	249,881	425,412	264,602	99,633	451,355	276,588	463,004	207,676
Nematodes ..... farms, 2012	2	1	-	4	31	5	9	16
..... 2007	2	1	4	-	12	3	5	5
..... acres, 2012	(D)	(D)	-	2,077	21,890	8,150	18,853	6,221
..... 2007	(D)	(D)	1,420	-	6,532	298	2,465	2,139
Diseases in crops and orchards ..... farms, 2012	74	118	74	25	186	84	109	42
..... 2007	43	64	78	12	157	71	112	37
..... acres, 2012	117,285	136,138	66,781	15,331	235,565	103,953	135,459	27,383
..... 2007	39,424	64,698	60,294	10,570	218,634	52,811	101,811	18,702
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2012	5	15	26	1	70	20	44	8
..... 2007	4	7	37	2	42	19	46	5
..... acres on which used, 2012	494	9,952	27,502	(D)	64,104	24,701	34,700	2,144
..... 2007	2,742	5,708	26,920	(D)	32,469	10,097	28,325	1,800
Item	Renville	Richland	Rolette	Sargent	Sheridan	Sioux	Slope	Stark
Commercial fertilizer, lime, and soil conditioners ..... farms, 2012	230	504	241	288	158	66	105	282
..... 2007	268	635	235	308	161	66	112	325
..... acres treated, 2012	363,436	493,717	229,492	278,416	218,579	64,504	165,821	325,250
..... 2007	438,854	547,992	238,829	276,642	203,676	61,021	171,677	325,416
Cropland fertilized, except cropland pasture ..... farms, 2012	226	499	230	288	157	66	100	268
..... 2007	262	620	229	302	157	66	112	319
..... acres treated, 2012	362,752	491,059	226,316	276,049	215,515	(D)	(D)	323,477
..... 2007	438,157	545,699	237,293	274,404	202,516	61,021	165,707	323,707
Pastureland and rangeland fertilized ..... farms, 2012	7	20	13	17	5	1	8	26
..... 2007	8	32	20	17	6	-	5	19
..... acres treated, 2012	684	2,658	3,176	2,367	3,064	(D)	(D)	1,773
..... 2007	697	2,293	1,536	2,238	1,160	-	5,970	1,709
Manure ..... farms, 2012	19	69	43	44	32	20	22	102
..... 2007	21	115	96	82	58	29	31	160
..... acres treated, 2012	3,670	5,320	4,229	4,008	2,693	1,048	5,298	4,995
..... 2007	1,027	11,887	5,580	5,919	3,182	1,183	3,100	8,161
Acres treated to control--								
Insects ..... farms, 2012	76	250	59	113	46	29	13	65
..... 2007	91	362	46	92	45	5	11	32
..... acres, 2012	91,944	249,590	56,390	89,736	53,470	14,166	16,357	46,221
..... 2007	76,509	216,274	38,906	52,790	34,417	3,900	7,492	26,955
Weeds, grass, or brush ..... farms, 2012	231	542	262	304	179	74	107	318
..... 2007	220	590	241	290	131	53	90	320
..... acres, 2012	404,915	702,385	277,601	362,989	269,289	102,631	209,816	389,699
..... 2007	350,868	686,941	222,818	301,061	182,405	25,925	133,136	264,472
Nematodes ..... farms, 2012	-	28	1	8	2	-	-	2
..... 2007	2	7	2	1	-	2	-	-
..... acres, 2012	-	22,609	(D)	11,477	(D)	-	-	(D)
..... 2007	(D)	5,452	(D)	(D)	-	(D)	-	-
Diseases in crops and orchards ..... farms, 2012	121	80	95	56	38	6	30	79
..... 2007	108	77	68	77	37	2	29	71
..... acres, 2012	165,781	68,632	117,356	40,363	48,942	1,764	77,561	125,992
..... 2007	99,361	34,778	51,942	42,729	40,801	(D)	52,509	80,502
Chemicals used to control growth, thin fruit, ripen, or defoliate ..... farms, 2012	10	12	31	4	1	-	-	4
..... 2007	16	25	15	6	9	1	10	-
..... acres on which used, 2012	7,652	12,036	27,984	1,020	(D)	-	-	383
..... 2007	8,690	5,409	11,802	1,066	7,330	(D)	2,214	-

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**Table 41. Fertilizers and Chemicals Applied: 2012 and 2007 (continued)**

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

Item	Steele	Stutsman	Towner	Trall	Walsh	Ward	Wells	Williams
Commercial fertilizer, lime, and soil conditioners .....farms, 2012	216	478	297	287	447	479	275	309
2007	215	409	311	328	432	528	319	420
acres treated, 2012	295,117	590,420	397,610	393,669	505,920	625,714	404,004	425,715
2007	302,140	573,418	417,994	415,935	521,242	681,672	458,044	493,803
Cropland fertilized, except cropland pasture .....farms, 2012	216	467	297	281	443	475	270	309
2007	214	394	307	328	423	525	312	413
acres treated, 2012	(D)	587,712	396,552	393,634	504,765	617,371	403,111	422,335
2007	301,828	570,839	414,331	415,935	520,788	676,999	456,393	488,005
Pastureland and rangeland fertilized .....farms, 2012	1	17	11	7	13	14	8	6
2007	5	25	12	-	16	14	10	14
acres treated, 2012	(D)	2,708	1,058	35	1,155	8,343	893	3,380
2007	312	2,579	3,663	-	454	4,673	1,651	5,798
Manure .....farms, 2012	7	82	37	19	44	67	28	27
2007	20	158	42	14	67	96	71	43
acres treated, 2012	505	6,796	6,913	348	2,561	3,594	1,192	6,003
2007	1,554	12,016	3,482	634	2,445	6,036	5,094	2,699
Acres treated to control--								
Insects .....farms, 2012	112	149	103	188	231	205	89	49
2007	77	85	78	163	178	150	98	40
acres, 2012	106,801	151,725	124,268	175,213	206,578	207,756	174,227	93,123
2007	51,838	50,622	57,223	131,002	128,742	120,266	100,240	34,989
Weeds, grass, or brush .....farms, 2012	232	518	317	323	489	530	303	361
2007	197	411	266	300	461	475	285	335
acres, 2012	365,189	827,742	472,145	484,268	550,699	722,008	545,545	648,725
2007	294,175	507,108	358,833	441,501	484,281	613,972	417,451	466,234
Nematodes .....farms, 2012	4	12	10	17	33	11	1	7
2007	4	4	1	6	12	2	1	7
acres, 2012	7,772	22,723	5,715	13,405	23,043	2,814	(D)	6,402
2007	(D)	3,921	(D)	3,968	7,340	(D)	(D)	1,707
Diseases in crops and orchards .....farms, 2012	57	60	145	91	229	220	62	78
2007	95	68	111	126	237	135	91	63
acres, 2012	42,981	44,992	140,721	107,041	230,643	247,868	89,928	119,434
2007	72,208	54,476	79,533	107,187	213,558	127,334	89,532	53,606
Chemicals used to control growth, thin fruit, ripen, or defoliate .....farms, 2012	25	18	48	36	92	40	43	30
2007	37	20	39	35	77	27	27	27
acres on which used, 2012	27,975	9,930	40,494	18,243	49,239	25,886	25,047	20,246
2007	18,868	11,599	30,347	13,607	32,071	16,884	20,642	16,875