

Table 41. Land Use Practices: 2022 and 2017

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

Item	North Dakota	Adams	Barnes	Benson	Billings	Bottineau	
Land drained by tile	farms, 2022	1,202	4	77	17	-	14
	2017	954	2	40	11	2	8
acres, 2022	415,738	298	21,685	4,375	-	-	4,755
	2017	285,153	(D)	10,779	2,804	(D)	1,276
Average per farm	acres, 2022	346	75	282	257	-	340
	2017	299	(D)	269	255	(D)	160
Land artificially drained by ditches	farms, 2022	2,702	1	118	23	-	54
	2017	2,741	1	96	26	5	65
acres, 2022	3,272,185	(D)	105,636	7,724	-	-	55,907
	2017	3,397,968	(D)	118,814	21,607	40	91,001
Average per farm	acres, 2022	1,211	(D)	895	336	-	1,035
	2017	1,240	(D)	1,238	831	8	1,400
Land under conservation easement	farms, 2022	2,191	14	114	54	1	80
	2017	1,813	8	103	59	-	40
acres, 2022	813,759	1,566	30,011	25,258	(D)	(D)	31,549
	2017	1,004,361	3,053	42,597	30,321	-	35,133
Average per farm	acres, 2022	371	112	263	468	(D)	394
	2017	554	382	414	514	-	878
Cropland on which no-till practices were used	farms, 2022	5,723	117	77	92	21	163
	2017	5,548	113	98	109	42	144
acres, 2022	7,804,831	264,198	51,415	145,699	25,917	228,748	
	2017	7,778,463	194,978	77,811	126,481	38,718	314,797
Average per farm	acres, 2022	1,364	2,258	668	1,584	1,234	1,403
	2017	1,402	1,725	794	1,160	922	2,186
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	5,988	19	267	169	15	255
	2017	6,148	36	268	159	10	199
acres, 2022	8,256,972	9,139	363,464	236,513	4,025	393,126	
	2017	9,052,235	36,759	412,265	255,779	9,315	380,029
Average per farm	acres, 2022	1,379	481	1,361	1,399	268	1,542
	2017	1,472	1,021	1,538	1,609	932	1,910
Cropland on which intensive or conventional tillage practices were used (see text)	farms, 2022	4,593	9	201	55	12	60
	2017	4,601	5	174	88	11	61
acres, 2022	4,699,452	614	221,895	40,710	10,844	86,972	
	2017	5,601,446	(D)	226,493	96,016	1,464	48,675
Average per farm	acres, 2022	1,023	68	1,104	740	904	1,450
	2017	1,217	(D)	1,302	1,091	133	798
Cropland planted to a cover crop (excluding CRP)	farms, 2022	2,529	13	127	35	3	85
	2017	2,252	34	58	40	19	54
acres, 2022	838,252	3,260	65,478	7,812	300	17,834	
	2017	404,267	4,262	13,261	7,164	2,564	11,510
Average per farm	acres, 2022	331	251	516	223	100	210
	2017	180	125	229	179	135	213
Use of precision agriculture practices (see text)	farms, 2022	7,488	72	257	137	32	235
	2017	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

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Table 41. Land Use Practices: 2022 and 2017 (continued)

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

Item	Bowman	Burke	Burleigh	Cass	Cavalier	Dickey	
Land drained by tile	farms, 2022	3	-	1	151	18	30
	2017	-	1	1	110	15	12
	acres, 2022	4,500	-	(D)	60,858	10,223	13,625
Average per farm	2017	-	(D)	(D)	42,747	1,891	4,721
	acres, 2022	1,500	-	(D)	403	568	454
	2017	-	(D)	(D)	389	126	393
Land artificially drained by ditches	farms, 2022	2	18	29	290	201	42
	2017	2	9	6	301	209	32
	acres, 2022	(D)	27,211	6,156	474,712	343,926	45,954
Average per farm	2017	(D)	14,080	1,525	495,947	355,430	40,735
	acres, 2022	(D)	1,512	212	1,637	1,711	1,094
	2017	(D)	1,564	254	1,648	1,701	1,273
Land under conservation easement	farms, 2022	4	68	51	39	62	96
	2017	4	21	47	39	80	56
	acres, 2022	80	31,911	29,184	7,402	37,621	48,170
Average per farm	2017	(D)	16,733	29,055	11,278	55,124	42,764
	acres, 2022	20	469	572	190	607	502
	2017	(D)	797	618	289	689	764
Cropland on which no-till practices were used	farms, 2022	67	117	153	68	84	93
	2017	87	103	144	77	54	116
	acres, 2022	145,732	185,064	201,992	45,633	123,324	121,698
Average per farm	2017	156,727	180,885	200,722	40,853	35,423	154,037
	acres, 2022	2,175	1,582	1,320	671	1,468	1,309
	2017	1,801	1,756	1,394	531	656	1,328
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	21	93	80	186	230	146
	2017	26	73	90	232	233	121
	acres, 2022	16,145	87,030	54,922	257,964	382,808	203,362
Average per farm	2017	18,600	102,176	59,760	413,367	452,096	168,743
	acres, 2022	769	936	687	1,387	1,664	1,393
	2017	715	1,400	664	1,782	1,940	1,395
Cropland on which intensive or conventional tillage practices were used (see text)	farms, 2022	7	15	34	380	234	78
	2017	17	15	43	349	182	115
	acres, 2022	2,589	11,268	15,557	547,954	277,024	45,123
Average per farm	2017	2,459	9,636	9,326	582,788	347,550	126,732
	acres, 2022	370	751	458	1,442	1,184	579
	2017	145	642	217	1,670	1,910	1,102
Cropland planted to a cover crop (excluding CRP)	farms, 2022	23	30	40	106	52	105
	2017	19	40	44	52	59	60
	acres, 2022	4,639	6,740	3,984	49,472	13,777	47,966
Average per farm	2017	1,749	6,673	5,374	14,391	4,096	12,932
	acres, 2022	202	225	100	467	265	457
	2017	92	167	122	277	69	216
Use of precision agriculture practices (see text)	farms, 2022	58	71	90	344	296	150
	2017	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

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Table 41. Land Use Practices: 2022 and 2017 (continued)

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

Item	Divide	Dunn	Eddy	Emmons	Foster	Golden Valley	Grand Forks	
Land drained by tile	farms, 2022	2	-	4	1	13	2	97
	2017	-	1	1	-	7	1	101
	acres, 2022	(D)	-	(D)	(D)	979	(D)	32,405
Average per farm	2017	-	(D)	(D)	-	1,070	(D)	24,394
	acres, 2022	(D)	-	(D)	(D)	75	(D)	334
	2017	-	(D)	(D)	-	153	(D)	242
Land artificially drained by ditches	farms, 2022	1	4	21	6	40	1	169
	2017	5	10	6	-	37	1	187
	acres, 2022	(D)	1,288	20,920	1,890	58,545	(D)	169,708
Average per farm	2017	113	6,712	7,008	-	37,237	(D)	203,420
	acres, 2022	(D)	322	996	315	1,464	(D)	1,004
	2017	23	671	1,168	-	1,006	(D)	1,088
Land under conservation easement	farms, 2022	20	8	44	24	32	5	49
	2017	29	5	16	6	29	6	28
	acres, 2022	8,155	1,543	23,989	3,212	9,660	135	3,804
Average per farm	2017	29,871	1,489	12,064	1,066	11,733	2,400	5,134
	acres, 2022	408	193	545	134	302	27	78
	2017	1,030	298	754	178	405	400	183
Cropland on which no-till practices were used	farms, 2022	175	127	88	240	59	58	105
	2017	164	146	61	235	50	73	35
	acres, 2022	307,158	118,383	46,035	374,707	64,024	93,794	61,169
Average per farm	2017	336,036	138,625	42,583	335,115	57,621	159,311	10,361
	acres, 2022	1,755	932	523	1,561	1,085	1,617	583
	2017	2,049	949	698	1,426	1,152	2,182	296
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	67	84	82	49	97	25	178
	2017	56	63	101	50	114	5	140
	acres, 2022	67,785	59,058	127,975	25,967	115,540	4,650	168,232
Average per farm	2017	57,189	80,528	118,654	34,214	193,971	7,700	166,958
	acres, 2022	1,012	703	1,561	530	1,191	186	945
	2017	1,021	1,278	1,175	684	1,702	1,540	1,193
Cropland on which intensive or conventional tillage practices were used (see text)	farms, 2022	16	24	40	20	60	7	346
	2017	23	57	32	16	43	6	315
	acres, 2022	5,256	4,527	32,016	24,787	75,119	1,013	349,580
Average per farm	2017	13,305	10,076	30,353	11,575	55,792	1,079	468,942
	acres, 2022	329	189	800	1,239	1,252	145	1,010
	2017	578	177	949	723	1,297	180	1,489
Cropland planted to a cover crop (excluding CRP)	farms, 2022	19	20	46	39	65	19	126
	2017	22	39	34	45	53	26	51
	acres, 2022	7,172	2,143	12,878	9,713	19,308	3,137	56,069
Average per farm	2017	2,243	4,168	4,160	8,646	10,620	2,558	11,148
	acres, 2022	377	107	280	249	297	165	445
	2017	102	107	122	192	200	98	219
Use of precision agriculture practices (see text)	farms, 2022	133	93	82	139	109	33	325
	2017	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

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Table 41. Land Use Practices: 2022 and 2017 (continued)

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

Item	Grant	Griggs	Hettinger	Kidder	LaMoure	Logan	McHenry	
Land drained by tile	farms, 2022	3	2	1	3	8	-	3
	2017	-	4	1	2	7	-	3
acres, 2022	(D)	(D)	(D)	960	6,176	-	-	360
	2017	-	509	(D)	(D)	2,941	-	1,200
Average per farm	acres, 2022	(D)	(D)	320	772	-	-	120
	2017	-	127	(D)	(D)	420	-	400
Land artificially drained by ditches	farms, 2022	3	47	2	4	45	2	14
	2017	4	58	3	9	46	7	13
acres, 2022	1,800	43,223	(D)	960	36,544	(D)	(D)	7,920
	2017	1,108	56,335	446	1,746	36,745	1,100	3,900
Average per farm	acres, 2022	600	920	(D)	240	812	(D)	566
	2017	277	971	149	194	799	157	300
Land under conservation easement	farms, 2022	12	52	10	31	78	31	59
	2017	3	53	10	47	74	38	33
acres, 2022	13,032	13,126	1,306	23,951	32,037	18,003	25,337	25,337
	2017	52	30,198	2,109	27,062	32,113	21,354	24,199
Average per farm	acres, 2022	1,086	252	131	773	411	581	429
	2017	17	570	211	576	434	562	733
Cropland on which no-till practices were used	farms, 2022	138	55	107	130	123	140	128
	2017	123	74	111	138	191	156	113
acres, 2022	172,662	37,801	255,625	168,091	102,604	179,623	157,919	157,919
	2017	177,295	74,006	299,695	117,921	184,671	180,565	115,220
Average per farm	acres, 2022	1,251	687	2,389	1,293	834	1,283	1,234
	2017	1,441	1,000	2,700	855	967	1,157	1,020
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	103	106	61	103	209	28	133
	2017	67	101	72	73	217	68	156
acres, 2022	88,533	148,534	170,665	91,732	280,640	20,915	210,717	210,717
	2017	60,742	138,080	147,835	57,964	244,234	30,744	216,373
Average per farm	acres, 2022	860	1,401	2,798	891	1,343	747	1,584
	2017	907	1,367	2,053	794	1,126	452	1,367
Cropland on which intensive or conventional tillage practices were used (see text)	farms, 2022	24	66	9	54	126	14	68
	2017	31	65	12	70	147	22	58
acres, 2022	6,780	53,042	1,958	47,428	107,677	8,445	21,307	21,307
	2017	4,802	79,006	1,223	42,989	140,719	14,619	38,063
Average per farm	acres, 2022	283	804	218	878	855	603	313
	2017	155	1,215	102	614	957	665	656
Cropland planted to a cover crop (excluding CRP)	farms, 2022	26	38	8	41	117	28	36
	2017	41	90	16	39	45	27	35
acres, 2022	5,585	13,722	1,737	18,513	49,383	2,996	9,200	9,200
	2017	3,389	19,560	2,817	7,429	7,230	2,834	5,598
Average per farm	acres, 2022	215	361	217	452	422	107	256
	2017	83	217	176	190	161	105	160
Use of precision agriculture practices (see text)	farms, 2022	88	112	86	95	208	79	143
	2017	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

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Table 41. Land Use Practices: 2022 and 2017 (continued)

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

Item	McIntosh	McKenzie	McLean	Mercer	Morton	Mountrail	Nelson	
Land drained by tile	farms, 2022	-	-	9	1	3	1	22
	2017	3	1	8	4	6	2	20
	acres, 2022	-	-	866	(D)	620	(D)	4,637
	2017	528	(D)	826	255	595	(D)	3,462
Average per farm	acres, 2022	-	-	96	(D)	207	(D)	211
	2017	176	(D)	103	64	99	(D)	173
Land artificially drained by ditches	farms, 2022	1	30	6	-	15	7	67
	2017	4	25	11	-	8	14	65
	acres, 2022	(D)	21,027	5,426	-	1,043	1,500	148,125
	2017	1,400	13,858	1,090	-	740	4,545	59,561
Average per farm	acres, 2022	(D)	701	904	-	70	214	2,211
	2017	350	554	99	-	93	325	916
Land under conservation easement	farms, 2022	24	3	57	15	14	23	112
	2017	26	4	56	3	13	12	80
	acres, 2022	8,552	460	17,465	1,685	(D)	7,645	35,150
	2017	16,660	4,910	24,599	641	1,620	9,867	41,223
Average per farm	acres, 2022	356	153	306	112	(D)	332	314
	2017	641	1,228	439	214	125	822	515
Cropland on which no-till practices were used	farms, 2022	119	181	232	67	228	199	76
	2017	120	123	183	80	213	189	58
	acres, 2022	182,638	209,172	460,197	86,227	231,514	324,530	50,243
	2017	130,001	150,306	350,324	112,265	212,644	372,910	49,989
Average per farm	acres, 2022	1,535	1,156	1,984	1,287	1,015	1,631	661
	2017	1,083	1,222	1,914	1,403	998	1,973	862
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	40	72	143	54	137	119	114
	2017	59	77	196	31	152	107	136
	acres, 2022	22,736	91,672	202,478	18,864	147,912	162,583	253,886
	2017	58,117	94,700	317,918	13,569	138,826	177,748	202,648
Average per farm	acres, 2022	568	1,273	1,416	349	1,080	1,366	2,227
	2017	985	1,230	1,622	438	913	1,661	1,490
Cropland on which intensive or conventional tillage practices were used (see text)	farms, 2022	47	77	39	34	55	40	92
	2017	17	56	34	17	78	27	94
	acres, 2022	12,289	49,788	8,716	4,743	15,726	35,654	83,701
	2017	26,806	31,162	13,798	1,113	23,728	5,322	109,736
Average per farm	acres, 2022	261	647	223	140	286	891	910
	2017	1,577	556	406	65	304	197	1,167
Cropland planted to a cover crop (excluding CRP)	farms, 2022	15	34	40	16	51	21	53
	2017	22	54	63	32	68	24	47
	acres, 2022	3,670	3,463	4,304	868	4,102	5,731	17,148
	2017	4,083	5,732	11,264	2,481	5,113	2,280	7,439
Average per farm	acres, 2022	245	102	108	54	80	273	324
	2017	186	106	179	78	75	95	158
Use of precision agriculture practices (see text)	farms, 2022	71	151	176	64	118	150	148
	2017	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

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Table 41. Land Use Practices: 2022 and 2017 (continued)

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

Item	Oliver	Pembina	Pierce	Ramsey	Ransom	Renville	Richland	
Land drained by tile	farms, 2022	10	74	5	12	27	-	187
	2017	1	60	9	9	18	2	165
..... acres, 2022	534	22,125	820	2,731	7,234	-	-	70,504
	(D)	13,304	928	1,148	4,008	(D)	(D)	74,771
Average per farm	acres, 2022	53	299	164	228	268	-	377
	2017	(D)	222	103	128	223	(D)	453
Land artificially drained by ditches	farms, 2022	1	170	7	103	37	18	287
	2017	-	174	13	110	27	10	274
..... acres, 2022	(D)	279,201	10,281	202,198	17,581	13,545	335,493	
	-	265,857	14,311	199,447	22,030	8,989	388,847	
Average per farm	acres, 2022	(D)	1,642	1,469	1,963	475	753	1,169
	2017	-	1,528	1,101	1,813	816	899	1,419
Land under conservation easement	farms, 2022	-	49	34	108	94	28	54
	2017	2	31	41	87	50	18	34
..... acres, 2022	-	6,328	19,259	32,689	44,086	6,763	4,196	
	(D)	5,018	23,850	40,436	22,034	16,550	7,149	
Average per farm	acres, 2022	-	129	566	303	469	242	78
	2017	(D)	162	582	465	441	919	210
Cropland on which no-till practices were used	farms, 2022	71	29	106	34	84	78	107
	2017	63	41	99	42	89	80	83
..... acres, 2022	93,357	22,121	110,439	25,764	40,139	186,821	41,407	
	66,410	26,010	120,766	33,159	62,399	176,624	32,644	
Average per farm	acres, 2022	1,315	763	1,042	758	478	2,395	387
	2017	1,054	634	1,220	790	701	2,208	393
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	23	103	112	125	127	118	233
	2017	25	119	128	141	151	133	237
..... acres, 2022	14,057	172,813	176,475	279,332	126,434	242,262	203,261	
	27,315	172,514	182,515	292,818	154,877	301,301	255,848	
Average per farm	acres, 2022	611	1,678	1,576	2,235	996	2,053	872
	2017	1,093	1,450	1,426	2,077	1,026	2,265	1,080
Cropland on which intensive or conventional tillage practices were used (see text)	farms, 2022	14	234	45	92	108	20	401
	2017	23	227	70	107	116	14	369
..... acres, 2022	1,447	353,569	13,096	181,317	69,985	13,624	412,822	
	2,458	402,337	34,789	220,461	105,768	16,908	469,678	
Average per farm	acres, 2022	103	1,511	291	1,971	648	681	1,029
	2017	107	1,772	497	2,060	912	1,208	1,273
Cropland planted to a cover crop (excluding CRP)	farms, 2022	22	86	30	28	96	18	137
	2017	30	89	47	49	61	55	64
..... acres, 2022	3,962	35,640	5,501	12,708	30,800	3,604	36,662	
	2,365	20,480	8,081	4,385	15,465	12,342	19,780	
Average per farm	acres, 2022	180	414	183	454	321	200	268
	2017	79	230	172	89	254	224	309
Use of precision agriculture practices (see text)	farms, 2022	45	236	110	121	140	126	336
	2017	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

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Table 41. Land Use Practices: 2022 and 2017 (continued)

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

Item	Rolette	Sargent	Sheridan	Sioux	Slope	Stark	Steele
Land drained by tile	farms, 2022	8	58	2	2	1	3
	2017	7	27	-	-	-	8
acres, 2022	408	18,621	(D)	(D)	(D)	990	16,949
	2017	402	6,443	-	-	-	181
Average per farm	acres, 2022	51	321	(D)	(D)	(D)	330
	2017	57	239	-	-	-	23
Land artificially drained by ditches	farms, 2022	20	92	13	-	5	3
	2017	36	76	10	2	-	17
acres, 2022	25,029	58,155	25,421	-	35	100	70,578
	2017	49,461	59,535	8,770	(D)	-	1,103
Average per farm	acres, 2022	1,251	632	1,955	-	7	33
	2017	1,374	783	877	(D)	-	65
Land under conservation easement	farms, 2022	41	77	30	5	1	3
	2017	33	53	29	4	12	10
acres, 2022	23,321	28,462	25,025	9,495	(D)	(D)	4,144
	2017	25,771	27,680	28,400	2,760	25,334	3,681
Average per farm	acres, 2022	569	370	834	1,899	(D)	(D)
	2017	781	522	979	690	2,111	368
Cropland on which no-till practices were used	farms, 2022	39	80	60	53	89	183
	2017	59	92	46	54	66	156
acres, 2022	29,840	63,435	68,351	63,458	187,096	300,785	25,510
	2017	46,823	89,057	70,779	107,126	163,557	247,873
Average per farm	acres, 2022	765	793	1,139	1,197	2,102	1,644
	2017	794	968	1,539	1,984	2,478	1,589
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	111	160	80	13	19	56
	2017	117	138	96	15	13	90
acres, 2022	211,885	141,631	175,293	11,001	25,227	33,593	122,509
	2017	189,152	167,321	220,230	15,929	28,187	99,609
Average per farm	acres, 2022	1,909	885	2,191	846	1,328	600
	2017	1,617	1,212	2,294	1,062	2,168	1,107
Cropland on which intensive or conventional tillage practices were used (see text)	farms, 2022	78	92	20	19	3	38
	2017	65	125	35	7	11	33
acres, 2022	35,107	92,523	16,609	2,364	497	8,737	170,556
	2017	47,811	163,543	37,521	(D)	2,260	4,763
Average per farm	acres, 2022	450	1,006	830	124	166	230
	2017	736	1,308	1,072	(D)	205	144
Cropland planted to a cover crop (excluding CRP)	farms, 2022	26	77	14	8	5	33
	2017	40	45	25	15	12	32
acres, 2022	8,920	37,512	2,027	923	140	3,342	23,640
	2017	9,111	13,255	2,530	820	843	5,083
Average per farm	acres, 2022	343	487	145	115	28	101
	2017	228	295	101	55	70	159
Use of precision agriculture practices (see text)	farms, 2022	104	144	51	22	71	117
	2017	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

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Table 41. Land Use Practices: 2022 and 2017 (continued)

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

Item	Stutsman	Towner	Trails	Walsh	Ward	Wells	Williams	
Land drained by tile	farms, 2022	21	-	117	103	12	14	3
	2017	11	2	105	77	3	22	5
..... acres, 2022	2,976	-	51,296	41,934	172	2,730	507	
	2017	1,516	(D)	37,091	22,630	(D)	4,692	420
Average per farm	acres, 2022	142	-	438	407	14	195	169
	2017	138	(D)	353	294	(D)	213	84
Land artificially drained by ditches	farms, 2022	79	79	183	191	16	64	18
	2017	87	87	186	195	18	49	22
..... acres, 2022	60,534	81,607	250,681	174,478	18,329	47,221	7,540	
	2017	57,879	96,716	241,812	252,330	8,473	47,596	6,092
Average per farm	acres, 2022	766	1,033	1,370	913	1,146	738	419
	2017	665	1,112	1,300	1,294	471	971	277
Land under conservation easement	farms, 2022	89	64	21	88	40	27	27
	2017	108	81	6	55	41	57	9
..... acres, 2022	31,873	34,290	3,007	17,483	8,123	8,406	8,142	
	2017	51,328	51,081	(D)	20,726	16,980	32,345	3,976
Average per farm	acres, 2022	358	536	143	199	203	311	302
	2017	475	631	(D)	377	414	567	442
Cropland on which no-till practices were used	farms, 2022	167	27	25	70	197	127	241
	2017	195	8	29	44	184	136	211
..... acres, 2022	183,798	22,589	17,832	43,722	376,063	143,705	535,063	
	2017	237,660	4,790	15,766	16,221	397,363	211,499	500,409
Average per farm	acres, 2022	1,101	837	713	625	1,909	1,132	2,220
	2017	1,219	599	544	369	2,160	1,555	2,372
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	263	160	115	168	187	167	72
	2017	254	183	99	133	218	165	100
..... acres, 2022	362,007	292,575	194,559	153,645	363,073	323,478	142,290	
	2017	389,609	343,130	132,517	197,725	403,083	291,711	173,339
Average per farm	acres, 2022	1,376	1,829	1,692	1,942	1,937	1,976	
	2017	1,534	1,875	1,339	1,487	1,849	1,768	1,733
Cropland on which intensive or conventional tillage practices were used (see text)	farms, 2022	188	115	204	280	92	71	26
	2017	191	111	225	290	70	82	25
..... acres, 2022	210,795	119,713	277,731	374,562	40,633	80,365	13,298	
	2017	262,001	113,557	362,151	419,177	55,924	86,711	14,544
Average per farm	acres, 2022	1,121	1,041	1,361	1,338	442	1,132	511
	2017	1,372	1,023	1,610	1,445	799	1,057	582
Cropland planted to a cover crop (excluding CRP)	farms, 2022	64	44	99	119	24	40	20
	2017	87	32	18	56	41	45	36
..... acres, 2022	36,790	16,151	44,791	38,331	4,594	15,305	4,805	
	2017	23,775	4,504	4,247	8,122	7,046	19,752	3,661
Average per farm	acres, 2022	575	367	452	322	191	383	240
	2017	273	141	236	145	172	439	102
Use of precision agriculture practices (see text)	farms, 2022	243	147	216	282	215	149	156
	2017	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Table 42. Organic Agriculture: 2022 and 2017

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

Item	North Dakota	Adams	Barnes	Benson	Billings	Bottineau	
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES							
Total organic product sales	farms, 2022	129	1	2	-	7	-
	2017	107	-	3	1	5	-
..... \$1,000, 2022	23,610	(D)	(D)	(D)	-	316	-
	2017	12,808	-	(D)	(D)	335	-
By value of sales:							
\$1 to \$4,999	farms, 2022	13	1	-	-	-	-
	2017	7	-	-	-	-	-
..... \$1,000, 2022	27	(D)	-	-	-	-	-
	2017	9	-	-	-	-	-
\$5,000 or more	farms, 2022	116	-	2	-	7	-
	2017	100	-	3	1	5	-
..... \$1,000, 2022	23,583	-	(D)	(D)	-	316	-
	2017	12,800	-	(D)	(D)	335	-
TYPE OF PRODUCTION							
USDA National Organic Program certified organic production	farms, 2022	137	-	7	-	7	-
	2017	128	-	3	1	6	1
USDA National Organic Program organic production exempt from certification	farms, 2022	8	1	-	-	-	-
	2017	1	-	-	-	-	-
Acres transitioning into USDA National Organic Program organic production	farms, 2022	15	-	2	-	-	-
	2017	17	-	-	-	-	2

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Table 42. Organic Agriculture: 2022 and 2017 (continued)

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

Item	Bowman	Burke	Burleigh	Cass	Cavalier	Dickey	
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES							
Total organic product sales farms, 2022	-	-	5	1	-	6	
2017	-	-	-	7	1	6	
\$1,000, 2022	-	-	(D)	(D)	-	1,856	
2017	-	-	-	229	(D)	1,572	
By value of sales:							
\$1 to \$4,999 farms, 2022	-	-	-	-	-	-	
2017	-	-	-	2	-	-	
\$1,000, 2022	-	-	-	-	-	-	
2017	-	-	-	(D)	-	-	
\$5,000 or more farms, 2022	-	-	5	1	-	6	
2017	-	-	-	5	1	6	
\$1,000, 2022	-	-	(D)	(D)	-	1,856	
2017	-	-	-	(D)	(D)	1,572	
TYPE OF PRODUCTION							
USDA National Organic Program certified organic production farms, 2022	-	-	5	1	-	6	
2017	-	-	-	7	2	6	
USDA National Organic Program organic production exempt from certification farms, 2022	-	-	-	-	-	-	
2017	-	-	-	-	-	-	
Acres transitioning into USDA National Organic Program organic production farms, 2022	-	-	-	-	-	-	
2017	-	-	1	3	-	-	
Item	Divide	Dunn	Eddy	Emmons	Foster	Golden Valley	Grand Forks
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES							
Total organic product sales farms, 2022	8	3	3	1	3	-	1
2017	7	5	-	3	2	-	1
\$1,000, 2022	223	2	180	(D)	11	-	(D)
2017	245	363	-	(D)	(D)	-	(D)
By value of sales:							
\$1 to \$4,999 farms, 2022	-	3	-	-	3	-	-
2017	-	-	-	1	-	-	1
\$1,000, 2022	-	2	-	-	11	-	-
2017	-	-	-	(D)	-	-	(D)
\$5,000 or more farms, 2022	8	-	3	1	-	-	1
2017	7	5	-	2	2	-	-
\$1,000, 2022	223	-	180	(D)	-	-	(D)
2017	245	363	-	(D)	(D)	-	-
TYPE OF PRODUCTION							
USDA National Organic Program certified organic production farms, 2022	8	3	3	1	3	-	1
2017	7	5	-	3	2	-	1
USDA National Organic Program organic production exempt from certification farms, 2022	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-
Acres transitioning into USDA National Organic Program organic production farms, 2022	-	-	-	-	-	-	1
2017	-	-	-	-	-	-	-
Item	Grant	Griggs	Hettinger	Kidder	LaMoure	Logan	McHenry
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES							
Total organic product sales farms, 2022	-	-	-	48	-	3	-
2017	-	-	-	24	9	7	1
\$1,000, 2022	-	-	-	12,123	-	105	-
2017	-	-	-	4,360	1,540	1,032	(D)
By value of sales:							
\$1 to \$4,999 farms, 2022	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-
\$1,000, 2022	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-
\$5,000 or more farms, 2022	-	-	-	48	-	3	-
2017	-	-	-	24	9	7	1
\$1,000, 2022	-	-	-	12,123	-	105	-
2017	-	-	-	4,360	1,540	1,032	(D)
TYPE OF PRODUCTION							
USDA National Organic Program certified organic production farms, 2022	-	-	-	48	-	3	-
2017	-	-	-	28	9	7	3
USDA National Organic Program organic production exempt from certification farms, 2022	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-
Acres transitioning into USDA National Organic Program organic production farms, 2022	-	-	-	2	-	-	-
2017	-	-	-	-	-	2	-

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Table 42. Organic Agriculture: 2022 and 2017 (continued)

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

Item	McIntosh	McKenzie	McLean	Mercer	Morton	Mountrail	Nelson
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES							
Total organic product sales	farms, 2022	-	1	2	1	-	1
	2017	-	-	2	3	-	-
	\$1,000, 2022	525	(D)	(D)	(D)	-	(D)
	2017	839	-	(D)	240	-	-
By value of sales:							
\$1 to \$4,999	farms, 2022	-	-	-	-	-	-
	2017	-	-	2	-	-	-
	\$1,000, 2022	-	-	-	-	-	-
	2017	-	-	(D)	-	-	-
\$5,000 or more	farms, 2022	7	-	1	2	1	1
	2017	6	-	-	-	3	-
	\$1,000, 2022	525	(D)	(D)	(D)	(D)	(D)
	2017	839	-	-	240	-	-
TYPE OF PRODUCTION							
USDA National Organic Program certified organic production	farms, 2022	10	-	1	2	1	1
	2017	6	-	-	2	3	-
USDA National Organic Program organic production exempt from certification	farms, 2022	-	-	-	-	-	-
	2017	-	-	-	-	-	-
Acres transitioning into USDA National Organic Program organic production	farms, 2022	3	-	1	2	-	-
	2017	2	-	-	-	-	-
Item	Oliver	Pembina	Pierce	Ramsey	Ransom	Renville	Richland
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES							
Total organic product sales	farms, 2022	-	1	-	-	2	3
	2017	-	-	1	-	-	3
	\$1,000, 2022	-	(D)	(D)	-	(D)	3,202
	2017	-	-	(D)	-	-	232
By value of sales:							
\$1 to \$4,999	farms, 2022	-	-	-	-	-	-
	2017	-	-	-	-	-	-
	\$1,000, 2022	-	-	-	-	-	-
	2017	-	-	-	-	-	-
\$5,000 or more	farms, 2022	-	1	-	-	2	3
	2017	-	-	1	-	-	3
	\$1,000, 2022	-	(D)	-	-	(D)	3,202
	2017	-	-	(D)	-	-	232
TYPE OF PRODUCTION							
USDA National Organic Program certified organic production	farms, 2022	-	1	-	-	2	6
	2017	-	-	1	-	3	3
USDA National Organic Program organic production exempt from certification	farms, 2022	-	-	-	3	-	-
	2017	-	-	-	-	-	-
Acres transitioning into USDA National Organic Program organic production	farms, 2022	-	-	-	-	2	-
	2017	-	-	-	-	3	1
Item	Rolette	Sargent	Sheridan	Sioux	Slope	Stark	Steele
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES							
Total organic product sales	farms, 2022	-	-	3	-	-	4
	2017	-	-	1	-	-	-
	\$1,000, 2022	-	-	628	-	-	26
	2017	-	-	(D)	-	-	-
By value of sales:							
\$1 to \$4,999	farms, 2022	-	-	-	-	-	-
	2017	-	-	-	-	-	-
	\$1,000, 2022	-	-	-	-	-	-
	2017	-	-	-	-	-	-
\$5,000 or more	farms, 2022	-	-	3	-	-	4
	2017	-	-	1	-	-	-
	\$1,000, 2022	-	-	628	-	-	26
	2017	-	-	(D)	-	-	-
TYPE OF PRODUCTION							
USDA National Organic Program certified organic production	farms, 2022	-	-	3	1	1	4
	2017	-	-	7	-	-	-
USDA National Organic Program organic production exempt from certification	farms, 2022	-	-	-	-	-	-
	2017	-	-	-	-	-	-
Acres transitioning into USDA National Organic Program organic production	farms, 2022	-	-	-	-	-	-
	2017	-	-	-	2	-	-

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Table 42. Organic Agriculture: 2022 and 2017 (continued)

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

Item	Stutsman	Towner	Trails	Walsh	Ward	Wells	Williams
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES							
Total organic product sales farms, 2022	2	-	2	-	4	4	-
2017	2	-	-	1	2	4	-
\$1,000, 2022	(D)	-	(D)	-	12	191	-
2017	(D)	-	-	(D)	(D)	200	-
By value of sales:							
\$1 to \$4,999 farms, 2022	-	-	-	-	4	2	-
2017	-	-	-	1	-	-	-
\$1,000, 2022	-	-	-	-	12	(D)	-
2017	-	-	-	(D)	-	-	-
\$5,000 or more farms, 2022	2	-	2	-	-	2	-
2017	2	-	-	-	2	4	-
\$1,000, 2022	(D)	-	(D)	-	-	(D)	-
2017	(D)	-	-	-	(D)	200	-
TYPE OF PRODUCTION							
USDA National Organic Program certified organic production farms, 2022	2	-	2	-	-	4	-
2017	2	-	-	4	2	4	-
USDA National Organic Program organic production exempt from certification farms, 2022	-	-	-	-	4	-	-
2017	-	-	-	1	-	-	-
Acres transitioning into USDA National Organic Program organic production farms, 2022	-	-	2	-	-	-	-
2017	-	-	1	-	-	-	-

Table 43. Selected Practices: 2022 and 2017

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

Item	North Dakota	Adams	Barnes	Benson	Billings	Bottineau
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	86	-	-	-	-	-
2017	85	-	-	-	-	-
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	111	-	-	-	-	7
2017	155	-	6	2	5	2
Harvested biomass for use in renewable energy farms, 2022	80	1	-	-	-	7
2017	57	-	1	1	-	1
Practiced rotational or management-intensive grazing farms, 2022	2,696	61	45	33	33	43
2017	3,019	74	58	33	60	37
Raised or sold veal calves farms, 2022	6	-	-	-	-	-
2017	56	-	-	3	-	-
On-farm packing facility farms, 2022	47	1	-	-	-	-
2017	57	-	-	1	-	1
Had a barn that was built prior to 1960 farms, 2022	4,377	80	113	64	51	88
2017	5,162	83	176	88	79	92
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	8,911	134	304	154	43	295
2017	9,800	112	315	160	95	308
Item	Bowman	Burke	Burleigh	Cass	Cavalier	Dickey
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	-	-	4	-	-	7
2017	-	-	1	-	-	7
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	-	-	2	4	1	5
2017	2	1	12	10	6	-
Harvested biomass for use in renewable energy farms, 2022	-	1	-	4	-	-
2017	2	-	5	1	1	1
Practiced rotational or management-intensive grazing farms, 2022	59	32	137	35	4	68
2017	66	27	166	36	16	50
Raised or sold veal calves farms, 2022	-	-	-	-	-	-
2017	-	2	6	-	-	-
On-farm packing facility farms, 2022	-	-	4	2	-	-
2017	2	-	3	1	-	-
Had a barn that was built prior to 1960 farms, 2022	87	45	103	142	50	61
2017	85	30	78	145	48	86
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	97	130	254	347	186	128
2017	130	128	268	329	184	160

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Table 43. Selected Practices: 2022 and 2017 (continued)

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

Item	Divide	Dunn	Eddy	Emmons	Foster	Golden Valley	Grand Forks
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	-	-	-	1	-	-	-
..... farms, 2017	-	-	-	2	1	-	-
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	6	2	12	-	-	-	7
..... farms, 2017	-	1	1	1	4	-	7
Harvested biomass for use in renewable energy farms, 2022	-	2	-	-	2	-	6
..... farms, 2017	-	-	2	4	2	6	1
Practiced rotational or management-intensive grazing farms, 2022	22	121	39	90	25	67	33
..... farms, 2017	30	109	30	104	23	79	46
Raised or sold veal calves farms, 2022	-	-	-	-	-	3	-
..... farms, 2017	-	9	-	2	-	6	2
On-farm packing facility farms, 2022	-	3	-	-	1	-	2
..... farms, 2017	-	-	-	4	-	6	1
Had a barn that was built prior to 1960 farms, 2022	68	118	55	127	36	42	116
..... farms, 2017	85	154	77	145	41	67	109
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	131	168	91	152	95	69	379
..... farms, 2017	167	184	118	175	99	102	397
Item	Grant	Griggs	Hettinger	Kidder	LaMoure	Logan	McHenry
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	4	-	-	-	-	-	-
..... farms, 2017	4	-	-	-	-	-	-
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	8	2	-	-	5	-	-
..... farms, 2017	4	5	1	2	-	1	3
Harvested biomass for use in renewable energy farms, 2022	1	3	-	-	-	-	-
..... farms, 2017	-	1	-	2	2	-	-
Practiced rotational or management-intensive grazing farms, 2022	90	25	44	51	53	61	115
..... farms, 2017	125	51	36	72	36	78	106
Raised or sold veal calves farms, 2022	-	-	-	-	-	-	-
..... farms, 2017	-	-	2	-	-	1	2
On-farm packing facility farms, 2022	-	-	1	1	1	3	-
..... farms, 2017	-	-	2	-	2	2	1
Had a barn that was built prior to 1960 farms, 2022	100	58	51	62	123	55	157
..... farms, 2017	123	92	74	86	131	77	144
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	144	143	146	117	199	85	248
..... farms, 2017	138	167	135	149	214	111	304
Item	McIntosh	McKenzie	McLean	Mercer	Morton	Mountrail	Nelson
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	-	39	6	-	8	-	-
..... farms, 2017	-	35	4	-	9	-	-
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	-	1	5	2	4	-	1
..... farms, 2017	-	3	3	-	8	-	-
Harvested biomass for use in renewable energy farms, 2022	-	1	4	2	-	-	3
..... farms, 2017	-	-	-	2	-	2	-
Practiced rotational or management-intensive grazing farms, 2022	48	102	80	74	139	86	19
..... farms, 2017	53	108	90	50	145	102	16
Raised or sold veal calves farms, 2022	-	-	-	-	-	-	-
..... farms, 2017	-	-	1	-	1	-	-
On-farm packing facility farms, 2022	-	-	1	-	-	-	-
..... farms, 2017	-	-	1	2	2	-	1
Had a barn that was built prior to 1960 farms, 2022	55	126	130	81	212	69	33
..... farms, 2017	86	109	182	84	244	80	57
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	116	171	214	113	239	169	167
..... farms, 2017	153	183	285	107	258	199	191

--continued

Table 43. Selected Practices: 2022 and 2017 (continued)

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

Item	Oliver	Pembina	Pierce	Ramsey	Ransom	Renville	Richland
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	-	-	-	-	-	-	-
2017	2	-	-	-	1	-	-
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	2	2	2	1	2	-	9
2017	3	14	15	2	4	-	4
Harvested biomass for use in renewable energy farms, 2022	-	1	-	-	9	-	5
2017	-	2	3	-	-	-	2
Practiced rotational or management-intensive grazing farms, 2022	55	14	28	21	74	4	50
2017	51	17	59	7	59	22	51
Raised or sold veal calves farms, 2022	1	-	-	-	-	-	2
2017	1	5	-	-	2	-	-
On-farm packing facility farms, 2022	1	4	-	-	-	-	-
2017	1	1	-	-	-	-	1
Had a barn that was built prior to 1960 farms, 2022	81	62	62	61	114	27	162
2017	73	49	75	62	118	35	156
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	77	219	120	192	179	100	321
2017	84	221	177	194	183	86	320
Item	Rolette	Sargent	Sheridan	Sioux	Slope	Stark	Steele
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	-	1	1	-	-	-	-
2017	-	4	-	-	-	2	-
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	-	2	3	1	-	1	-
2017	-	6	-	-	-	2	-
Harvested biomass for use in renewable energy farms, 2022	1	4	-	-	-	1	-
2017	2	-	-	-	-	-	1
Practiced rotational or management-intensive grazing farms, 2022	36	27	41	47	42	64	9
2017	41	41	38	46	62	103	14
Raised or sold veal calves farms, 2022	-	-	-	-	-	-	-
2017	2	1	-	-	-	2	-
On-farm packing facility farms, 2022	2	-	-	-	-	-	-
2017	-	3	-	-	-	-	2
Had a barn that was built prior to 1960 farms, 2022	61	63	70	32	55	169	22
2017	73	85	73	41	74	199	52
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	140	154	91	62	57	183	133
2017	185	193	106	43	71	215	130
Item	Stutsman	Towner	Trails	Walsh	Ward	Wells	Williams
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	-	-	-	-	7	-	8
2017	-	-	-	-	-	-	13
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	1	-	2	3	5	1	-
2017	4	2	2	6	-	1	-
Harvested biomass for use in renewable energy farms, 2022	-	-	5	4	4	3	6
2017	4	2	-	-	1	3	-
Practiced rotational or management-intensive grazing farms, 2022	68	7	21	25	51	38	40
2017	116	20	4	22	56	43	35
Raised or sold veal calves farms, 2022	-	-	-	-	-	-	-
2017	3	2	-	-	-	-	1
On-farm packing facility farms, 2022	2	2	2	14	-	-	-
2017	5	2	3	5	-	1	1
Had a barn that was built prior to 1960 farms, 2022	114	52	90	94	67	77	84
2017	198	75	73	91	122	96	105
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	290	164	169	297	223	152	160
2017	359	187	167	280	236	150	188