

Table 41. Land Use Practices: 2022 and 2017

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

Item	Michigan	Alcona	Alger	Allegan	Alpena	
Land drained by tile	farms, 2022	11,598	16	-	263	38
	2017	12,704	23	-	305	41
acres, 2022	2,921,373	2,032	-	39,249	3,875	
	2017	3,029,891	2,754	-	47,420	3,620
Average per farm	acres, 2022	252	127	-	149	102
	2017	238	120	-	155	88
Land artificially drained by ditches	farms, 2022	7,093	22	2	193	36
	2017	8,363	34	3	248	25
acres, 2022	934,122	464	(D)	20,983	941	
	2017	1,055,439	1,085	3	28,611	940
Average per farm	acres, 2022	132	21	(D)	109	26
	2017	126	32	1	115	38
Land under conservation easement	farms, 2022	1,429	-	2	23	1
	2017	974	-	4	21	1
acres, 2022	94,250	-	(D)	1,444	(D)	
	2017	72,425	-	20	807	(D)
Average per farm	acres, 2022	66	-	(D)	63	(D)
	2017	74	-	5	38	(D)
Cropland on which no-till practices were used	farms, 2022	7,896	28	13	164	34
	2017	8,174	15	26	213	24
acres, 2022	1,382,972	1,316	530	33,361	7,629	
	2017	1,566,334	820	365	33,185	5,364
Average per farm	acres, 2022	175	47	41	203	224
	2017	192	55	14	156	224
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	7,417	26	9	206	36
	2017	7,720	9	6	235	34
acres, 2022	2,311,788	(D)	935	64,048	8,571	
	2017	2,297,131	2,933	105	73,454	9,074
Average per farm	acres, 2022	312	(D)	104	311	238
	2017	298	326	18	313	267
Cropland on which intensive or conventional tillage practices were used (see text)	farms, 2022	11,329	41	18	243	77
	2017	11,727	57	20	258	116
acres, 2022	2,295,069	5,246	449	34,617	7,187	
	2017	2,343,703	6,689	1,037	46,397	7,944
Average per farm	acres, 2022	203	128	25	142	93
	2017	200	117	52	180	68
Cropland planted to a cover crop (excluding CRP)	farms, 2022	6,071	29	10	151	30
	2017	6,275	23	28	159	51
acres, 2022	685,937	1,626	12	8,501	366	
	2017	673,205	786	240	15,899	1,050
Average per farm	acres, 2022	113	56	1	56	12
	2017	107	34	9	100	21
Use of precision agriculture practices (see text)	farms, 2022	5,965	13	9	121	40
	2017	(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	Antrim	Arenac	Baraga	Barry	Bay	
Land drained by tile	farms, 2022	29	132	2	134	405
	2017	18	161	2	141	445
..... acres, 2022		987	45,260	(D)	19,686	126,263
	2017	535	46,375	(D)	24,078	154,009
Average per farm	acres, 2022	34	343	(D)	147	312
	2017	30	288	(D)	171	346
Land artificially drained by ditches	farms, 2022	10	80	5	75	205
	2017	12	131	8	68	229
..... acres, 2022		500	7,827	176	1,470	26,725
	2017	250	9,527	767	9,523	31,884
Average per farm	acres, 2022	50	98	35	20	130
	2017	21	73	96	140	139
Land under conservation easement	farms, 2022	12	25	1	41	29
	2017	5	22	1	22	10
..... acres, 2022		1,129	1,202	(D)	5,481	583
	2017	642	864	(D)	1,648	324
Average per farm	acres, 2022	94	48	(D)	134	20
	2017	128	39	(D)	75	32
Cropland on which no-till practices were used	farms, 2022	33	33	10	137	56
	2017	44	29	6	148	84
..... acres, 2022		1,486	3,920	99	26,677	11,343
	2017	2,571	3,541	782	35,781	7,428
Average per farm	acres, 2022	45	119	10	195	203
	2017	58	122	130	242	88
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	42	41	7	131	113
	2017	37	50	4	127	149
..... acres, 2022		3,957	21,468	76	37,359	60,330
	2017	3,361	25,707	20	31,107	62,765
Average per farm	acres, 2022	94	524	11	285	534
	2017	91	514	5	245	421
Cropland on which intensive or conventional tillage practices were used (see text)	farms, 2022	76	106	26	108	318
	2017	80	126	23	146	369
..... acres, 2022		2,796	29,646	1,029	12,452	89,872
	2017	4,164	27,268	3,295	19,008	108,554
Average per farm	acres, 2022	37	280	40	115	283
	2017	52	216	143	130	294
Cropland planted to a cover crop (excluding CRP)	farms, 2022	82	34	9	99	119
	2017	67	53	7	72	128
..... acres, 2022		3,877	3,381	184	11,975	29,372
	2017	1,683	2,968	(D)	8,056	28,743
Average per farm	acres, 2022	47	99	20	121	247
	2017	25	56	(D)	112	225
Use of precision agriculture practices (see text)	farms, 2022	21	45	1	116	157
	2017	(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	Benzie	Berrien	Branch	Calhoun	Cass	
Land drained by tile	farms, 2022	7	167	192	86	37
	2017	1	193	196	119	46
..... acres, 2022	11	22,535	42,467	14,428	2,514	
	2017	(D)	22,167	46,169	14,376	4,846
Average per farm	acres, 2022	2	135	221	168	68
	2017	(D)	115	236	121	105
Land artificially drained by ditches	farms, 2022	-	94	101	94	45
	2017	2	133	147	161	53
..... acres, 2022	-	5,849	13,449	7,784	2,232	
	2017	(D)	6,481	16,865	10,555	5,046
Average per farm	acres, 2022	-	62	133	83	50
	2017	(D)	49	115	66	95
Land under conservation easement	farms, 2022	2	10	16	34	16
	2017	2	5	6	17	5
..... acres, 2022	(D)	130	302	1,592	3,583	
	2017	(D)	51	116	713	(D)
Average per farm	acres, 2022	(D)	13	19	47	224
	2017	(D)	10	19	42	(D)
Cropland on which no-till practices were used	farms, 2022	23	202	185	202	191
	2017	26	209	163	252	197
..... acres, 2022	629	48,990	45,057	64,981	41,964	
	2017	404	51,551	47,845	82,140	50,565
Average per farm	acres, 2022	27	243	244	322	220
	2017	16	247	294	326	257
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	18	142	174	146	134
	2017	18	127	205	204	155
..... acres, 2022	1,750	33,352	84,664	45,414	55,652	
	2017	1,239	27,450	81,371	54,358	68,902
Average per farm	acres, 2022	97	235	487	311	415
	2017	69	216	397	266	445
Cropland on which intensive or conventional tillage practices were used (see text)	farms, 2022	30	140	178	169	95
	2017	28	175	190	135	118
..... acres, 2022	782	15,032	41,563	31,838	28,110	
	2017	775	18,386	55,815	18,609	27,745
Average per farm	acres, 2022	26	107	234	188	296
	2017	28	105	294	138	235
Cropland planted to a cover crop (excluding CRP)	farms, 2022	29	104	105	108	65
	2017	42	126	80	99	72
..... acres, 2022	645	6,250	9,602	11,291	12,679	
	2017	653	8,385	11,318	5,585	14,775
Average per farm	acres, 2022	22	60	91	105	195
	2017	16	67	141	56	205
Use of precision agriculture practices (see text)	farms, 2022	6	112	111	123	88
	2017	(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	Charlevoix	Cheboygan	Chippewa	Clare	Clinton	
Land drained by tile	farms, 2022	12	5	9	52	438
	2017	8	11	16	62	425
..... acres, 2022	430	785	184	3,747	97,250	
	2017	331	1,048	369	4,176	83,785
Average per farm	acres, 2022	36	157	20	72	222
	2017	41	95	23	67	197
Land artificially drained by ditches	farms, 2022	18	29	115	24	197
	2017	4	34	171	53	207
..... acres, 2022	376	4,374	29,213	1,540	20,506	
	2017	144	1,882	30,419	2,469	20,062
Average per farm	acres, 2022	21	151	254	64	104
	2017	36	55	178	47	97
Land under conservation easement	farms, 2022	7	7	33	11	30
	2017	13	2	31	4	33
..... acres, 2022	598	1,741	4,157	723	1,776	
	2017	1,216	(D)	3,539	470	1,065
Average per farm	acres, 2022	85	249	126	66	59
	2017	94	(D)	114	118	32
Cropland on which no-till practices were used	farms, 2022	6	8	14	20	201
	2017	20	14	30	15	228
..... acres, 2022	203	(D)	2,095	1,144	38,029	
	2017	764	1,048	2,011	825	42,902
Average per farm	acres, 2022	34	(D)	150	57	189
	2017	38	75	67	55	188
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	20	24	15	36	220
	2017	20	13	16	28	196
..... acres, 2022	2,704	795	297	1,590	56,751	
	2017	2,331	1,022	605	5,757	63,283
Average per farm	acres, 2022	135	33	20	44	258
	2017	117	79	38	206	323
Cropland on which intensive or conventional tillage practices were used (see text)	farms, 2022	35	45	96	100	315
	2017	48	50	100	107	270
..... acres, 2022	1,575	818	3,751	8,385	79,029	
	2017	1,776	2,098	6,627	4,371	63,860
Average per farm	acres, 2022	45	18	39	84	251
	2017	37	42	66	41	237
Cropland planted to a cover crop (excluding CRP)	farms, 2022	40	29	37	42	108
	2017	35	41	26	26	120
..... acres, 2022	416	210	1,386	1,251	11,072	
	2017	342	547	855	380	9,679
Average per farm	acres, 2022	10	7	37	30	103
	2017	10	13	33	15	81
Use of precision agriculture practices (see text)	farms, 2022	6	5	7	17	188
	2017	(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	Crawford	Delta	Dickinson	Eaton	Emmet	
Land drained by tile	farms, 2022	6	6	3	348	15
	2017	2	4	12	386	16
acres, 2022	18	382	160	77,610	374	
	(D)	235	475	90,963	199	
Average per farm	acres, 2022	3	64	53	223	25
	2017	(D)	59	40	236	12
Land artificially drained by ditches	farms, 2022	-	29	1	146	13
	2017	-	21	13	160	11
acres, 2022	-	1,717	(D)	18,654	480	
	-	879	242	15,305	528	
Average per farm	acres, 2022	-	59	(D)	128	37
	2017	-	42	19	96	48
Land under conservation easement	farms, 2022	-	11	2	14	4
	2017	-	3	1	15	5
acres, 2022	-	3,533	(D)	247	505	
	-	330	(D)	423	555	
Average per farm	acres, 2022	-	321	(D)	18	126
	2017	-	110	(D)	28	111
Cropland on which no-till practices were used	farms, 2022	4	25	4	255	34
	2017	-	19	1	264	38
acres, 2022	30	1,080	(D)	61,142	372	
	-	706	(D)	73,113	324	
Average per farm	acres, 2022	8	43	(D)	240	11
	2017	-	37	(D)	277	9
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	1	23	4	192	18
	2017	-	21	5	185	45
acres, 2022	(D)	3,061	(D)	44,957	738	
	-	2,086	359	47,853	2,256	
Average per farm	acres, 2022	(D)	133	(D)	234	41
	2017	-	99	72	259	50
Cropland on which intensive or conventional tillage practices were used (see text)	farms, 2022	4	65	17	189	86
	2017	2	59	33	237	63
acres, 2022	(D)	4,566	1,360	39,851	1,788	
	(D)	5,690	1,502	37,826	2,227	
Average per farm	acres, 2022	(D)	70	80	211	21
	2017	(D)	96	46	160	35
Cropland planted to a cover crop (excluding CRP)	farms, 2022	2	41	24	95	60
	2017	2	38	28	82	56
acres, 2022	(D)	1,485	403	8,817	551	
	(D)	1,805	654	9,003	803	
Average per farm	acres, 2022	(D)	36	17	93	9
	2017	(D)	48	23	110	14
Use of precision agriculture practices (see text)	farms, 2022	1	9	2	153	10
	2017	(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	Genesee	Gladwin	Gogebic	Grand Traverse	Gratiot	
Land drained by tile	farms, 2022	184	92	1	14	467
	2017	201	128	-	16	463
acres, 2022	27,377	13,056	(D)	600	188,379	
	2017	25,883	16,136	-	322	167,988
Average per farm	acres, 2022	149	142	(D)	43	403
	2017	129	126	-	20	363
Land artificially drained by ditches	farms, 2022	137	102	6	12	137
	2017	108	103	8	23	141
acres, 2022	12,729	9,086	256	164	54,322	
	2017	14,039	9,567	274	400	42,400
Average per farm	acres, 2022	93	89	43	14	397
	2017	130	93	34	17	301
Land under conservation easement	farms, 2022	25	29	-	43	38
	2017	6	5	-	26	18
acres, 2022	826	1,695	-	2,056	4,734	
	2017	442	417	-	1,849	597
Average per farm	acres, 2022	33	58	-	48	125
	2017	74	83	-	71	33
Cropland on which no-till practices were used	farms, 2022	118	19	2	50	200
	2017	117	41	-	68	274
acres, 2022	10,405	610	(D)	2,027	50,634	
	2017	17,696	2,480	-	3,467	74,109
Average per farm	acres, 2022	88	32	(D)	41	253
	2017	151	60	-	51	270
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	91	21	5	56	174
	2017	125	25	-	58	200
acres, 2022	44,094	2,499	63	3,079	100,263	
	2017	38,071	3,712	-	4,276	78,759
Average per farm	acres, 2022	485	119	13	55	576
	2017	305	148	-	74	394
Cropland on which intensive or conventional tillage practices were used (see text)	farms, 2022	195	129	7	74	309
	2017	185	139	7	56	265
acres, 2022	33,607	16,675	106	7,714	99,833	
	2017	32,554	13,274	54	6,219	90,849
Average per farm	acres, 2022	172	129	15	104	323
	2017	176	95	8	111	343
Cropland planted to a cover crop (excluding CRP)	farms, 2022	94	46	8	117	88
	2017	91	48	3	90	62
acres, 2022	2,886	1,624	40	2,801	17,000	
	2017	9,334	1,656	42	2,519	11,670
Average per farm	acres, 2022	31	35	5	24	193
	2017	103	35	14	28	188
Use of precision agriculture practices (see text)	farms, 2022	69	12	1	27	211
	2017	(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	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco	
Land drained by tile	farms, 2022	357	11	676	263	353	36
	2017	430	10	730	341	346	56
acres, 2022	76,666	338	333,114	76,542	76,501	6,884	
	2017	88,866	82	354,808	75,892	80,110	6,973
Average per farm	acres, 2022	215	31	493	291	217	191
	2017	207	8	486	223	232	125
Land artificially drained by ditches	farms, 2022	128	25	272	149	122	41
	2017	143	33	324	149	127	41
acres, 2022	14,217	3,592	74,905	17,597	12,541	1,962	
	2017	10,420	2,368	88,307	16,756	14,610	2,810
Average per farm	acres, 2022	111	144	275	118	103	48
	2017	73	72	273	112	115	69
Land under conservation easement	farms, 2022	88	5	77	32	21	1
	2017	41	2	46	6	15	2
acres, 2022	2,944	542	1,666	4,313	459	(D)	
	2017	2,678	(D)	6,000	927	537	(D)
Average per farm	acres, 2022	33	108	22	135	22	(D)
	2017	65	(D)	130	155	36	(D)
Cropland on which no-till practices were used	farms, 2022	273	33	222	107	185	9
	2017	266	4	227	127	262	11
acres, 2022	78,317	527	34,327	13,992	30,256	222	
	2017	64,611	61	41,839	31,202	39,943	574
Average per farm	acres, 2022	287	16	155	131	164	25
	2017	243	15	184	246	152	52
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	290	24	294	150	187	17
	2017	268	18	301	166	224	26
acres, 2022	104,919	342	144,909	62,641	55,367	2,390	
	2017	72,687	298	165,837	59,560	71,585	3,672
Average per farm	acres, 2022	362	14	493	418	296	141
	2017	271	17	551	359	320	141
Cropland on which intensive or conventional tillage practices were used (see text)	farms, 2022	284	48	472	199	236	55
	2017	249	67	455	153	193	56
acres, 2022	24,055	3,326	196,937	71,462	78,551	5,019	
	2017	39,732	3,233	198,051	42,330	57,658	6,312
Average per farm	acres, 2022	85	69	417	359	333	91
	2017	160	48	435	277	299	113
Cropland planted to a cover crop (excluding CRP)	farms, 2022	125	37	275	98	134	19
	2017	125	37	288	90	130	22
acres, 2022	16,851	651	96,161	3,963	12,965	789	
	2017	13,829	1,146	102,744	5,963	10,274	918
Average per farm	acres, 2022	135	18	350	40	97	42
	2017	111	31	357	66	79	42
Use of precision agriculture practices (see text)	farms, 2022	173	5	352	123	162	18
	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	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent
Land drained by tile	farms, 2022	1	281	95	41	8
	2017	2	330	89	37	1
	acres, 2022	(D)	69,664	15,261	4,458	(D)
	2017	(D)	70,154	12,458	3,371	(D)
Average per farm	acres, 2022	(D)	248	161	109	(D)
	2017	(D)	213	140	91	(D)
	farms, 2022	1	107	65	42	2
	2017	2	124	79	57	2
Land artificially drained by ditches	acres, 2022	(D)	14,667	4,284	2,224	(D)
	2017	(D)	6,328	6,239	2,936	(D)
	acres, 2022	(D)	137	66	53	(D)
	2017	(D)	51	79	52	(D)
Land under conservation easement	farms, 2022	4	23	11	8	3
	2017	-	30	16	6	2
	acres, 2022	6	630	751	925	36
	2017	-	1,904	610	1,129	(D)
Average per farm	acres, 2022	2	27	68	116	12
	2017	-	63	38	188	(D)
	farms, 2022	1	173	165	111	18
	2017	4	207	171	110	19
Cropland on which no-till practices were used	acres, 2022	(D)	31,820	37,375	14,487	543
	2017	26	48,488	34,835	20,852	655
	acres, 2022	(D)	184	227	131	30
	2017	7	234	204	190	34
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	5	137	165	92	20
	2017	10	160	155	101	30
	acres, 2022	78	46,249	43,520	53,667	2,831
	2017	165	30,376	49,510	37,227	5,037
Average per farm	acres, 2022	16	338	264	583	142
	2017	17	190	319	369	168
	farms, 2022	20	278	179	95	29
	2017	38	288	173	142	24
Cropland on which intensive or conventional tillage practices were used (see text)	acres, 2022	652	52,098	35,165	31,281	1,640
	2017	2,796	57,750	15,988	38,723	1,321
	acres, 2022	33	187	196	329	57
	2017	74	201	92	273	55
Cropland planted to a cover crop (excluding CRP)	farms, 2022	17	93	98	61	40
	2017	10	87	79	83	44
	acres, 2022	816	11,834	6,399	22,773	868
	2017	1,060	9,049	9,637	9,041	3,040
Average per farm	acres, 2022	48	127	65	373	22
	2017	106	104	122	109	69
	farms, 2022	7	133	114	84	18
	2017	(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	Keweenaw	Lake	Lapeer	Leelanau	Lenawee	Livingston	
Land drained by tile	farms, 2022	-	9	230	22	536	132
	2017	-	22	249	28	683	128
acres, 2022	-	442	44,960	734	188,741	25,977	17,681
	2017	-	1,102	43,157	1,203	236,241	17,681
Average per farm	acres, 2022	-	49	195	33	352	197
	2017	-	50	173	43	346	138
Land artificially drained by ditches	farms, 2022	-	11	179	4	163	73
	2017	-	15	226	28	164	98
acres, 2022	-	160	21,741	16	25,960	4,439	4,439
	2017	-	1,171	28,705	212	27,024	4,703
Average per farm	acres, 2022	-	15	121	4	159	61
	2017	-	78	127	8	165	48
Land under conservation easement	farms, 2022	-	2	13	52	84	-
	2017	-	-	11	47	78	2
acres, 2022	-	(D)	302	3,333	2,239	-	-
	2017	-	-	206	4,123	6,643	(D)
Average per farm	acres, 2022	-	(D)	23	64	27	-
	2017	-	-	19	88	85	(D)
Cropland on which no-till practices were used	farms, 2022	-	8	125	75	317	105
	2017	-	10	123	78	350	70
acres, 2022	-	108	17,120	2,066	78,240	24,404	24,404
	2017	-	638	29,391	2,841	77,370	17,643
Average per farm	acres, 2022	-	14	137	28	247	232
	2017	-	64	239	36	221	252
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	-	10	141	59	255	74
	2017	-	13	120	37	294	73
acres, 2022	-	548	44,489	1,162	96,917	15,024	15,024
	2017	-	1,271	41,638	860	104,825	15,175
Average per farm	acres, 2022	-	55	316	20	380	203
	2017	-	98	347	23	357	208
Cropland on which intensive or conventional tillage practices were used (see text)	farms, 2022	-	11	242	79	283	86
	2017	-	23	231	68	342	114
acres, 2022	-	551	38,708	3,336	82,387	15,693	15,693
	2017	-	714	34,098	2,494	124,775	17,266
Average per farm	acres, 2022	-	50	160	42	291	182
	2017	-	31	148	37	365	151
Cropland planted to a cover crop (excluding CRP)	farms, 2022	-	27	115	127	140	63
	2017	3	21	99	119	166	49
acres, 2022	-	243	11,001	2,554	24,700	2,804	2,804
	2017	54	513	10,443	3,210	18,596	3,296
Average per farm	acres, 2022	-	9	96	20	176	45
	2017	18	24	105	27	112	67
Use of precision agriculture practices (see text)	farms, 2022	-	1	84	32	240	58
	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	Luce	Mackinac	Macomb	Manistee	Marquette	Mason	
Land drained by tile	farms, 2022	-	5	128	6	-	82
	2017	-	7	120	8	8	88
	acres, 2022	-	(D)	20,231	198	-	12,358
Average per farm	2017	-	542	16,786	475	30	12,688
	acres, 2022	-	(D)	158	33	-	151
	2017	-	77	140	59	4	144
Land artificially drained by ditches	farms, 2022	2	11	143	7	3	61
	2017	5	31	130	11	9	81
	acres, 2022	(D)	2,456	21,579	202	22	6,743
Average per farm	2017	480	3,382	19,738	373	35	13,398
	acres, 2022	(D)	223	151	29	7	111
	2017	96	109	152	34	4	165
Land under conservation easement	farms, 2022	2	2	3	5	3	26
	2017	-	3	2	9	-	14
	acres, 2022	(D)	(D)	62	662	457	2,153
Average per farm	2017	-	13	(D)	1,579	-	254
	acres, 2022	(D)	(D)	21	132	152	83
	2017	-	4	(D)	175	-	18
Cropland on which no-till practices were used	farms, 2022	12	6	127	19	21	87
	2017	1	5	110	48	26	104
	acres, 2022	66	151	27,425	775	196	5,310
Average per farm	2017	(D)	326	22,120	1,958	231	11,777
	acres, 2022	6	25	216	41	9	61
	2017	(D)	65	201	41	9	113
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	1	10	79	45	18	53
	2017	-	8	73	42	8	71
	acres, 2022	(D)	149	17,707	2,232	444	15,731
Average per farm	2017	-	867	13,307	2,990	723	14,728
	acres, 2022	(D)	15	224	50	25	297
	2017	-	108	182	71	90	207
Cropland on which intensive or conventional tillage practices were used (see text)	farms, 2022	4	13	121	73	20	87
	2017	2	20	113	58	13	118
	acres, 2022	187	860	16,648	5,551	331	13,240
Average per farm	2017	(D)	1,272	23,192	3,597	336	9,662
	acres, 2022	47	66	138	76	17	152
	2017	(D)	64	205	62	26	82
Cropland planted to a cover crop (excluding CRP)	farms, 2022	1	6	36	80	27	95
	2017	3	6	33	85	39	120
	acres, 2022	(D)	67	1,642	1,984	438	5,816
Average per farm	2017	(D)	84	1,771	2,874	773	9,426
	acres, 2022	(D)	11	46	25	16	61
	2017	(D)	14	54	34	20	79
Use of precision agriculture practices (see text)	farms, 2022	2	2	59	12	4	38
	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	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm	
Land drained by tile	farms, 2022	76	32	210	27	628	146
	2017	100	36	242	34	568	185
..... acres, 2022	4,112	1,801	46,813	4,332	121,963	32,789	
	2017	5,522	1,518	44,658	4,191	133,889	28,446
Average per farm	acres, 2022	54	56	223	160	194	225
	2017	55	42	185	123	236	154
Land artificially drained by ditches	farms, 2022	36	18	138	13	251	89
	2017	35	34	132	32	255	127
..... acres, 2022	1,607	645	11,274	4,142	30,298	7,244	
	2017	1,621	911	12,092	3,510	25,313	13,417
Average per farm	acres, 2022	45	36	82	319	121	81
	2017	46	27	92	110	99	106
Land under conservation easement	farms, 2022	8	6	35	8	47	16
	2017	14	4	16	7	9	21
..... acres, 2022	244	372	1,263	698	608	1,516	
	2017	425	170	932	410	105	2,256
Average per farm	acres, 2022	31	62	36	87	13	95
	2017	30	43	58	59	12	107
Cropland on which no-till practices were used	farms, 2022	71	47	80	16	319	119
	2017	66	32	61	22	266	90
..... acres, 2022	9,786	5,774	7,467	2,207	53,979	27,092	
	2017	7,653	2,530	5,514	869	47,371	23,403
Average per farm	acres, 2022	138	123	93	138	169	228
	2017	116	79	90	40	178	260
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	79	34	102	46	230	160
	2017	68	42	83	73	209	197
..... acres, 2022	18,196	9,283	29,267	18,251	67,287	66,128	
	2017	19,199	9,641	20,365	23,057	67,679	81,391
Average per farm	acres, 2022	230	273	287	397	293	413
	2017	282	230	245	316	324	413
Cropland on which intensive or conventional tillage practices were used (see text)	farms, 2022	197	73	113	74	376	218
	2017	235	97	144	76	358	282
..... acres, 2022	17,316	8,875	19,512	20,122	55,514	70,068	
	2017	20,014	6,502	29,175	13,059	69,099	53,884
Average per farm	acres, 2022	88	122	173	272	148	321
	2017	85	67	203	172	193	191
Cropland planted to a cover crop (excluding CRP)	farms, 2022	79	22	36	59	90	127
	2017	119	58	54	67	92	183
..... acres, 2022	2,142	1,951	3,180	5,567	8,615	31,710	
	2017	7,713	3,437	2,296	5,012	5,750	29,979
Average per farm	acres, 2022	27	89	88	94	96	250
	2017	65	59	43	75	63	164
Use of precision agriculture practices (see text)	farms, 2022	33	21	67	32	216	84
	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	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw	
Land drained by tile	farms, 2022	9	71	111	24	100	55
	2017	18	71	128	34	100	61
..... acres, 2022	1,726	16,790	20,774	974	9,224	14,272	14,272
	2017	3,168	10,206	21,778	520	10,669	13,815
Average per farm	acres, 2022	192	236	187	41	92	259
	2017	176	144	170	15	107	226
Land artificially drained by ditches	farms, 2022	9	59	115	48	43	32
	2017	30	105	133	32	60	39
..... acres, 2022	417	3,409	12,500	1,779	4,130	1,472	1,472
	2017	1,407	5,046	12,830	1,579	6,706	4,455
Average per farm	acres, 2022	46	58	109	37	96	46
	2017	47	48	96	49	112	114
Land under conservation easement	farms, 2022	-	4	20	13	4	-
	2017	-	9	8	15	17	2
..... acres, 2022	-	29	1,798	110	458	-	-
	2017	-	235	338	342	1,225	(D)
Average per farm	acres, 2022	-	7	90	8	115	-
	2017	-	26	42	23	72	(D)
Cropland on which no-till practices were used	farms, 2022	10	64	104	65	116	29
	2017	16	72	97	53	139	4
..... acres, 2022	345	9,725	10,827	3,180	12,473	6,301	6,301
	2017	1,998	8,654	14,768	957	14,591	2,177
Average per farm	acres, 2022	35	152	104	49	108	217
	2017	125	120	152	18	105	(D)
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	5	43	129	35	91	26
	2017	19	45	122	48	92	35
..... acres, 2022	3,211	8,908	19,771	3,220	23,207	6,938	6,938
	2017	3,770	10,611	24,050	2,807	23,574	8,304
Average per farm	acres, 2022	642	207	153	92	255	267
	2017	198	236	197	58	256	237
Cropland on which intensive or conventional tillage practices were used (see text)	farms, 2022	32	61	161	47	106	71
	2017	35	75	184	54	140	112
..... acres, 2022	2,586	12,001	21,809	2,871	11,934	17,866	17,866
	2017	1,794	7,878	24,161	3,321	20,229	18,293
Average per farm	acres, 2022	81	197	135	61	113	252
	2017	51	105	131	62	144	163
Cropland planted to a cover crop (excluding CRP)	farms, 2022	8	70	107	55	122	30
	2017	19	73	113	47	167	14
..... acres, 2022	268	4,961	6,388	372	6,485	3,738	3,738
	2017	723	2,740	11,657	919	16,805	386
Average per farm	acres, 2022	34	71	60	7	53	125
	2017	38	38	103	20	101	28
Use of precision agriculture practices (see text)	farms, 2022	8	43	68	16	40	15
	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	Ontonagon	Osceola	Oscoda	Otsego	Ottawa	Presque Isle
Land drained by tile	farms, 2022	3	64	18	2	220
	2017	1	68	27	2	247
	acres, 2022	80	8,051	751	(D)	31,513
	2017	(D)	6,207	1,513	(D)	34,859
Average per farm	acres, 2022	27	126	42	(D)	143
	2017	(D)	91	56	(D)	141
	farms, 2022	14	67	12	1	269
	2017	25	53	23	-	336
Land artificially drained by ditches	acres, 2022	315	4,094	202	(D)	35,896
	2017	2,299	2,321	1,322	-	39,447
	acres, 2022	23	61	17	(D)	133
	2017	92	44	57	-	117
Land under conservation easement	farms, 2022	6	5	3	4	8
	2017	1	9	-	-	6
	acres, 2022	252	510	39	1,940	428
	2017	(D)	236	-	-	394
Average per farm	acres, 2022	42	102	13	485	54
	2017	(D)	26	-	-	66
	farms, 2022	4	38	17	15	150
	2017	3	46	9	16	177
Cropland on which no-till practices were used	acres, 2022	126	2,127	174	502	15,686
	2017	172	2,925	252	446	35,985
	acres, 2022	32	56	10	33	105
	2017	57	64	28	28	203
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	8	63	-	10	178
	2017	3	67	-	16	175
	acres, 2022	128	8,600	5	3,753	35,216
	2017	70	7,693	230	2,436	44,669
Average per farm	acres, 2022	16	137	-	375	198
	2017	23	115	46	152	255
	farms, 2022	16	80	30	45	226
	2017	17	104	29	52	228
Cropland on which intensive or conventional tillage practices were used (see text)	acres, 2022	349	10,050	1,597	2,042	25,027
	2017	1,447	10,171	1,432	3,180	25,571
	acres, 2022	22	126	53	45	111
	2017	85	98	49	61	112
Cropland planted to a cover crop (excluding CRP)	farms, 2022	4	62	7	18	152
	2017	9	68	17	37	126
	acres, 2022	120	1,345	320	719	7,326
	2017	128	3,473	372	1,286	7,396
Average per farm	acres, 2022	30	22	46	40	48
	2017	14	51	22	35	59
	farms, 2022	-	16	9	7	137
	2017	(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	Roscommon	Saginaw	St. Clair	St. Joseph	Sanilac	Schoolcraft	
Land drained by tile	farms, 2022	1	747	228	82	711	1
	2017	1	804	223	81	730	1
Average per farm	acres, 2022	(D)	200,931	54,563	10,103	271,472	(D)
	2017	(D)	197,987	44,824	15,507	262,925	(D)
Land artificially drained by ditches	farms, 2022	8	376	462	55	496	1
	2017	10	416	569	87	549	5
Average per farm	acres, 2022	274	41,984	58,702	7,311	126,494	(D)
	2017	935	64,820	73,772	7,809	129,530	810
Land under conservation easement	farms, 2022	2	51	5	5	33	2
	2017	-	51	9	12	20	-
Average per farm	acres, 2022	(D)	1,502	590	(D)	2,178	(D)
	2017	-	1,755	(D)	2,754	1,257	-
Cropland on which no-till practices were used	farms, 2022	2	278	249	154	282	4
	2017	4	251	214	190	288	2
Average per farm	acres, 2022	(D)	42,666	38,580	34,692	67,261	120
	2017	88	63,484	62,907	30,682	65,128	(D)
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	1	246	164	162	288	-
	2017	2	257	166	171	260	2
Average per farm	acres, 2022	(D)	83,310	55,759	94,562	96,489	-
	2017	(D)	90,645	36,908	71,147	95,330	(D)
Cropland on which intensive or conventional tillage practices were used (see text)	farms, 2022	6	576	316	236	606	14
	2017	6	546	318	282	542	7
Average per farm	acres, 2022	(D)	121,620	39,321	60,153	216,861	888
	2017	282	124,490	37,411	86,224	180,751	347
Cropland planted to a cover crop (excluding CRP)	farms, 2022	5	170	59	139	261	6
	2017	13	133	72	182	229	9
Average per farm	acres, 2022	53	20,378	2,105	57,368	59,209	217
	2017	330	13,005	2,878	58,319	43,186	220
Use of precision agriculture practices (see text)	farms, 2022	4	297	142	130	340	5
	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	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford	
Land drained by tile	farms, 2022	351	527	127	279	39	20
	2017	373	582	175	332	41	9
..... acres, 2022	76,589	201,167	17,912	51,355	1,114	746	
	2017	90,000	206,180	18,589	50,722	1,330	633
Average per farm	acres, 2022	218	382	141	184	29	37
	2017	241	354	106	153	32	70
Land artificially drained by ditches	farms, 2022	228	251	141	134	56	17
	2017	286	250	158	168	48	14
..... acres, 2022	34,584	47,201	7,111	13,597	1,197	240	
	2017	57,982	44,152	11,678	9,347	1,088	248
Average per farm	acres, 2022	152	188	50	101	21	14
	2017	203	177	74	56	23	18
Land under conservation easement	farms, 2022	28	65	15	69	-	6
	2017	10	21	21	38	4	1
..... acres, 2022	998	5,395	583	7,481	-	(D)	
	2017	581	4,513	2,202	2,714	87	(D)
Average per farm	acres, 2022	36	83	39	108	-	(D)
	2017	58	215	105	71	22	(D)
Cropland on which no-till practices were used	farms, 2022	204	237	128	355	51	18
	2017	195	252	127	289	55	27
..... acres, 2022	32,006	44,449	13,341	49,750	1,471	1,292	
	2017	47,551	37,699	16,026	48,821	1,479	611
Average per farm	acres, 2022	157	188	104	140	29	72
	2017	244	150	126	169	27	23
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text)	farms, 2022	189	221	116	259	24	32
	2017	208	243	96	252	33	19
..... acres, 2022	57,046	80,165	28,920	48,588	1,606	7,074	
	2017	49,546	76,839	36,137	49,956	3,152	1,955
Average per farm	acres, 2022	302	363	249	188	67	221
	2017	238	316	376	198	96	103
Cropland on which intensive or conventional tillage practices were used (see text)	farms, 2022	352	424	121	220	36	61
	2017	258	429	117	209	38	54
..... acres, 2022	72,227	137,223	26,518	19,120	2,654	4,085	
	2017	68,716	153,159	26,821	25,136	1,640	6,608
Average per farm	acres, 2022	205	324	219	87	74	67
	2017	266	357	229	120	43	122
Cropland planted to a cover crop (excluding CRP)	farms, 2022	113	224	98	177	32	44
	2017	103	206	116	118	34	67
..... acres, 2022	10,160	45,501	5,154	10,025	242	3,613	
	2017	8,687	47,947	11,042	4,937	279	2,136
Average per farm	acres, 2022	90	203	53	57	8	82
	2017	84	233	95	42	8	32
Use of precision agriculture practices (see text)	farms, 2022	196	270	72	148	10	17
	2017	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Table 42. Organic Agriculture: 2022 and 2017

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

Item	Michigan	Alcona	Alger	Allegan	Alpena	
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES						
Total organic product sales	farms, 2022	632	-	2	17	7
	2017	646	8	3	9	8
..... \$1,000, 2022	238,713	-	(D)	3,179	582	
	2017	176,069	1,070	140	371	726
By value of sales:						
\$1 to \$4,999	farms, 2022	113	-	-	1	-
	2017	134	-	-	-	2
..... \$1,000, 2022	204	-	-	(D)	-	
	2017	234	-	-	-	(D)
\$5,000 or more	farms, 2022	519	-	2	16	7
	2017	512	8	3	9	6
..... \$1,000, 2022	238,509	-	(D)	(D)	582	
	2017	175,835	1,070	140	371	(D)
TYPE OF PRODUCTION						
USDA National Organic Program certified organic production	farms, 2022	605	-	2	16	7
	2017	644	6	3	10	8
USDA National Organic Program organic production exempt from certification	farms, 2022	80	-	-	1	-
	2017	120	2	-	2	-
Acres transitioning into USDA National Organic Program organic production	farms, 2022	118	-	-	8	2
	2017	239	-	8	4	1

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

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

Item	Antrim	Arenac	Baraga	Barry	Bay
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES					
Total organic product sales farms, 2022	5	4	3	2	1
2017	7	12	3	6	-
\$1,000, 2022	(D)	987	(D)	(D)	(D)
2017	605	2,361	3	147	-
By value of sales:					
\$1 to \$4,999 farms, 2022	2	-	1	-	-
2017	-	-	3	1	-
\$1,000, 2022	(D)	-	(D)	-	-
2017	-	-	3	(D)	-
\$5,000 or more farms, 2022	3	4	2	2	1
2017	7	12	-	5	-
\$1,000, 2022	(D)	987	(D)	(D)	(D)
2017	605	2,361	-	(D)	-
TYPE OF PRODUCTION					
USDA National Organic Program certified organic production farms, 2022	5	4	2	1	1
2017	9	12	-	6	-
USDA National Organic Program organic production exempt from certification farms, 2022	-	-	1	1	-
2017	-	-	3	-	-
Acres transitioning into USDA National Organic Program organic production farms, 2022	3	-	1	-	1
2017	-	-	-	5	-
Item	Benzie	Berrien	Branch	Calhoun	Cass
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES					
Total organic product sales farms, 2022	3	11	2	13	3
2017	1	12	4	18	5
\$1,000, 2022	(D)	656	(D)	927	(D)
2017	(D)	229	184	619	(D)
By value of sales:					
\$1 to \$4,999 farms, 2022	1	1	-	2	-
2017	-	6	-	2	3
\$1,000, 2022	(D)	(D)	-	(D)	-
2017	-	20	(D)	(D)	5
\$5,000 or more farms, 2022	2	10	2	11	3
2017	1	6	2	16	2
\$1,000, 2022	(D)	(D)	(D)	(D)	(D)
2017	(D)	208	(D)	(D)	(D)
TYPE OF PRODUCTION					
USDA National Organic Program certified organic production farms, 2022	2	11	2	13	1
2017	2	13	4	17	6
USDA National Organic Program organic production exempt from certification farms, 2022	1	-	-	2	2
2017	-	2	2	3	4
Acres transitioning into USDA National Organic Program organic production farms, 2022	-	8	-	-	3
2017	2	8	2	4	2
Item	Charlevoix	Cheboygan	Chippewa	Clare	Clinton
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES					
Total organic product sales farms, 2022	2	4	2	20	10
2017	6	1	1	10	8
\$1,000, 2022	(D)	435	(D)	2,422	3,940
2017	(D)	(D)	(D)	587	725
By value of sales:					
\$1 to \$4,999 farms, 2022	-	-	-	3	1
2017	5	-	-	2	-
\$1,000, 2022	-	-	-	1	(D)
2017	6	-	-	(D)	-
\$5,000 or more farms, 2022	2	4	2	17	9
2017	1	1	1	8	8
\$1,000, 2022	(D)	435	(D)	2,421	(D)
2017	(D)	(D)	(D)	(D)	725
TYPE OF PRODUCTION					
USDA National Organic Program certified organic production farms, 2022	2	4	3	20	10
2017	1	1	1	9	14
USDA National Organic Program organic production exempt from certification farms, 2022	-	-	-	-	-
2017	5	6	-	4	6
Acres transitioning into USDA National Organic Program organic production farms, 2022	-	-	3	3	2
2017	3	-	1	10	3

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

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

Item	Crawford	Delta	Dickinson	Eaton	Emmet	
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES						
Total organic product sales farms, 2022	-	-	2	18	5	
2017	-	4	-	17	15	
\$1,000, 2022	-	-	(D)	2,011	110	
2017	-	16	-	1,529	1,282	
By value of sales:						
\$1 to \$4,999 farms, 2022	-	-	-	-	-	
2017	-	3	-	2	7	
\$1,000, 2022	-	-	-	-	-	
2017	-	(D)	-	(D)	5	
\$5,000 or more farms, 2022	-	-	2	18	5	
2017	-	1	-	15	8	
\$1,000, 2022	-	-	(D)	2,011	110	
2017	-	(D)	-	(D)	1,277	
TYPE OF PRODUCTION						
USDA National Organic Program certified organic production farms, 2022	-	-	2	19	5	
2017	-	1	-	16	9	
USDA National Organic Program organic production exempt from certification farms, 2022	-	1	-	-	-	
2017	-	3	-	4	6	
Acres transitioning into USDA National Organic Program organic production farms, 2022	-	-	-	3	2	
2017	-	-	-	6	6	
Item	Genesee	Gladwin	Gogebic	Grand Traverse	Griiot	
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES						
Total organic product sales farms, 2022	8	7	-	1	15	
2017	6	3	-	3	13	
\$1,000, 2022	908	461	-	(D)	6,190	
2017	202	19	-	54	2,960	
By value of sales:						
\$1 to \$4,999 farms, 2022	-	-	-	-	2	
2017	3	2	-	-	-	
\$1,000, 2022	-	-	-	-	(D)	
2017	5	(D)	-	-	-	
\$5,000 or more farms, 2022	8	7	-	1	13	
2017	3	1	-	3	13	
\$1,000, 2022	908	461	-	(D)	(D)	
2017	196	(D)	-	54	2,960	
TYPE OF PRODUCTION						
USDA National Organic Program certified organic production farms, 2022	12	7	-	1	15	
2017	11	3	-	3	13	
USDA National Organic Program organic production exempt from certification farms, 2022	-	-	-	-	-	
2017	-	-	-	-	-	
Acres transitioning into USDA National Organic Program organic production farms, 2022	-	-	-	-	9	
2017	-	2	-	2	-	
Item	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES						
Total organic product sales farms, 2022	7	1	27	5	14	2
2017	13	4	15	12	15	1
\$1,000, 2022	1,307	(D)	5,690	1,384	(D)	(D)
2017	923	24	(D)	920	(D)	(D)
By value of sales:						
\$1 to \$4,999 farms, 2022	-	-	3	-	4	-
2017	2	-	1	6	2	-
\$1,000, 2022	-	-	6	-	12	-
2017	(D)	-	(D)	23	(D)	-
\$5,000 or more farms, 2022	7	1	24	5	10	2
2017	11	4	14	6	13	1
\$1,000, 2022	1,307	(D)	5,684	1,384	(D)	(D)
2017	(D)	24	(D)	897	(D)	(D)
TYPE OF PRODUCTION						
USDA National Organic Program certified organic production farms, 2022	7	1	27	5	14	3
2017	18	4	20	10	13	1
USDA National Organic Program organic production exempt from certification farms, 2022	-	-	2	-	1	-
2017	-	-	-	2	2	5
Acres transitioning into USDA National Organic Program organic production farms, 2022	4	-	1	-	1	-
2017	2	4	8	2	5	-

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

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

Item	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES						
Total organic product sales	farms, 2022	11	16	5	11	14
	2017	21	5	-	4	12
	\$1,000, 2022	(D) 2,190	1,347	(D)	937	1,820
	2017	3,178	174	-	103	691
By value of sales:						
\$1 to \$4,999	farms, 2022	-	2	4	-	5
	2017	-	1	-	-	-
	\$1,000, 2022	-	(D)	2	-	10
	2017	-	(D)	-	-	-
\$5,000 or more	farms, 2022	2	14	1	11	9
	2017	-	4	-	4	12
	\$1,000, 2022	(D) 2,190	(D)	(D)	937	1,810
	2017	3,178	(D)	-	103	691
TYPE OF PRODUCTION						
USDA National Organic Program certified organic production	farms, 2022	14	14	1	11	9
	2017	27	5	2	4	12
USDA National Organic Program organic production exempt from certification	farms, 2022	-	2	4	-	5
	2017	-	1	-	-	-
Acres transitioning into USDA National Organic Program organic production	farms, 2022	-	2	-	-	2
	2017	-	9	2	-	7
Item	Keweenaw	Lake	Lapeer	Leelanau	Lenawee	Livingston
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES						
Total organic product sales	farms, 2022	-	3	11	12	3
	2017	-	11	11	3	6
	\$1,000, 2022	-	257	1,859	3,270	65
	2017	-	184	860	(D)	186
By value of sales:						
\$1 to \$4,999	farms, 2022	-	-	2	-	1
	2017	-	8	4	-	3
	\$1,000, 2022	-	-	(D)	-	(D)
	2017	-	30	8	-	6
\$5,000 or more	farms, 2022	-	3	9	12	2
	2017	-	3	7	3	3
	\$1,000, 2022	-	257	(D)	3,270	(D)
	2017	-	154	852	(D)	180
TYPE OF PRODUCTION						
USDA National Organic Program certified organic production	farms, 2022	-	3	12	14	9
	2017	-	11	10	6	5
USDA National Organic Program organic production exempt from certification	farms, 2022	-	-	1	-	-
	2017	-	5	2	-	2
Acres transitioning into USDA National Organic Program organic production	farms, 2022	-	5	-	2	-
	2017	-	4	1	2	-
Item	Luce	Mackinac	Macomb	Manistee	Marquette	Mason
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES						
Total organic product sales	farms, 2022	-	4	11	1	9
	2017	-	1	7	8	19
	\$1,000, 2022	-	35	1,763	(D)	2,956
	2017	(D)	(D)	454	2	5,081
By value of sales:						
\$1 to \$4,999	farms, 2022	-	-	6	1	1
	2017	-	2	-	8	9
	\$1,000, 2022	-	-	1	(D)	(D)
	2017	(D)	-	-	2	9
\$5,000 or more	farms, 2022	-	4	5	-	8
	2017	-	1	7	-	10
	\$1,000, 2022	-	35	1,763	-	(D)
	2017	(D)	(D)	454	-	5,073
TYPE OF PRODUCTION						
USDA National Organic Program certified organic production	farms, 2022	-	4	11	-	9
	2017	1	1	7	-	14
USDA National Organic Program organic production exempt from certification	farms, 2022	-	2	-	1	-
	2017	-	-	-	8	7
Acres transitioning into USDA National Organic Program organic production	farms, 2022	-	2	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	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES						
Total organic product sales farms, 2022	3	3	10	2	5	11
2017	4	2	5	4	-	6
\$1,000, 2022	411	1,541	1,574	(D)	415	729
2017	41	(D)	380	9	-	301
By value of sales:						
\$1 to \$4,999 farms, 2022	-	1	-	2	2	-
2017	-	1	1	3	-	-
\$1,000, 2022	-	(D)	-	(D)	(D)	-
2017	-	(D)	(D)	(D)	-	-
\$5,000 or more farms, 2022	3	2	10	-	3	11
2017	4	1	4	1	-	6
\$1,000, 2022	411	(D)	1,574	-	(D)	729
2017	41	(D)	(D)	(D)	-	301
TYPE OF PRODUCTION						
USDA National Organic Program certified organic production farms, 2022	3	3	10	2	5	11
2017	6	2	5	1	-	9
USDA National Organic Program organic production exempt from certification farms, 2022	-	-	-	-	-	-
2017	-	-	-	3	-	-
Acres transitioning into USDA National Organic Program organic production farms, 2022	-	-	-	-	-	-
2017	2	1	-	-	3	3
Item	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES						
Total organic product sales farms, 2022	1	11	7	10	10	-
2017	-	5	16	4	8	-
\$1,000, 2022	(D)	426	373	62	1,760	-
2017	-	524	1,285	(D)	1,319	-
By value of sales:						
\$1 to \$4,999 farms, 2022	-	4	-	7	5	-
2017	-	-	2	3	-	-
\$1,000, 2022	-	12	-	2	7	-
2017	-	-	(D)	4	-	-
\$5,000 or more farms, 2022	1	7	7	3	5	-
2017	-	5	14	1	8	-
\$1,000, 2022	(D)	414	373	60	1,753	-
2017	-	524	(D)	(D)	1,319	-
TYPE OF PRODUCTION						
USDA National Organic Program certified organic production farms, 2022	1	4	9	3	10	-
2017	-	5	16	1	9	-
USDA National Organic Program organic production exempt from certification farms, 2022	-	9	-	7	-	-
2017	-	-	-	8	-	-
Acres transitioning into USDA National Organic Program organic production farms, 2022	-	-	2	1	-	-
2017	-	7	11	-	2	-
Item	Ontonagon	Osceola	Oscoda	Otsego	Ottawa	Presque Isle
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES						
Total organic product sales farms, 2022	-	4	5	2	12	4
2017	-	4	7	6	6	1
\$1,000, 2022	-	15	557	(D)	235	25
2017	-	1,474	978	3	620	(D)
By value of sales:						
\$1 to \$4,999 farms, 2022	-	2	-	1	6	2
2017	-	-	-	6	-	1
\$1,000, 2022	-	(D)	-	(D)	13	(D)
2017	-	-	-	3	-	(D)
\$5,000 or more farms, 2022	-	2	5	1	6	2
2017	-	4	7	-	6	-
\$1,000, 2022	-	(D)	557	(D)	222	(D)
2017	-	1,474	978	-	620	-
TYPE OF PRODUCTION						
USDA National Organic Program certified organic production farms, 2022	-	2	5	2	6	4
2017	-	4	7	6	6	1
USDA National Organic Program organic production exempt from certification farms, 2022	-	2	-	-	6	-
2017	-	-	-	-	-	-
Acres transitioning into USDA National Organic Program organic production farms, 2022	-	-	1	1	-	-
2017	-	3	-	-	3	1

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

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

Item	Roscommon	Saginaw	St. Clair	St. Joseph	Sanilac	Schoolcraft
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES						
Total organic product sales						
farms, 2022	2	12	1	12	50	-
2017	1	10	11	16	50	-
\$1,000, 2022	(D)	911	(D)	2,384	7,414	-
2017	(D)	894	788	1,320	4,179	-
By value of sales:						
\$1 to \$4,999						
farms, 2022	-	4	-	-	2	-
2017	1	3	-	-	5	-
\$1,000, 2022	-	13	-	-	(D)	-
2017	(D)	6	-	-	2	-
\$5,000 or more						
farms, 2022	2	8	1	12	48	-
2017	-	7	11	16	45	-
\$1,000, 2022	(D)	898	(D)	2,384	(D)	-
2017	-	887	788	1,320	4,177	-
TYPE OF PRODUCTION						
USDA National Organic Program certified organic production						
farms, 2022	2	12	1	16	50	-
2017	-	12	11	16	49	-
USDA National Organic Program organic production exempt from certification						
farms, 2022	-	-	-	-	-	-
2017	1	-	-	-	3	-
Acres transitioning into USDA National Organic Program organic production						
farms, 2022	-	2	-	-	12	-
2017	-	2	3	9	20	-
Item	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES						
Total organic product sales						
farms, 2022	4	62	19	27	4	3
2017	15	72	7	24	2	6
\$1,000, 2022	300	49,550	153	1,021	(D)	(D)
2017	720	25,395	217	1,072	(D)	650
By value of sales:						
\$1 to \$4,999						
farms, 2022	1	1	14	13	3	-
2017	4	-	3	9	1	2
\$1,000, 2022	(D)	(D)	42	33	3	-
2017	2	-	(Z)	27	(D)	(D)
\$5,000 or more						
farms, 2022	3	61	5	14	1	3
2017	11	72	4	15	1	4
\$1,000, 2022	(D)	(D)	111	988	(D)	(D)
2017	719	25,395	216	1,046	(D)	(D)
TYPE OF PRODUCTION						
USDA National Organic Program certified organic production						
farms, 2022	4	66	9	20	4	3
2017	11	79	7	23	1	8
USDA National Organic Program organic production exempt from certification						
farms, 2022	-	1	10	12	-	6
2017	10	-	-	6	1	-
Acres transitioning into USDA National Organic Program organic production						
farms, 2022	2	20	2	5	-	1
2017	5	26	3	10	-	5

Table 43. Selected Practices: 2022 and 2017

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

Item	Michigan	Alcona	Alger	Allegan	Alpena
Received irrigation water from the U.S. Bureau of Reclamation					
farms, 2022	-	-	-	-	-
2017	-	-	-	-	-
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks					
farms, 2022	1,114	10	4	35	4
2017	957	3	10	26	12
Harvested biomass for use in renewable energy					
farms, 2022	569	6	1	18	9
2017	308	-	3	9	8
Practiced rotational or management-intensive grazing					
farms, 2022	4,117	20	17	111	51
2017	4,326	17	29	84	61
Raised or sold veal calves					
farms, 2022	44	-	2	-	-
2017	123	-	2	10	2
On-farm packing facility					
farms, 2022	721	-	2	18	2
2017	705	4	13	24	5
Had a barn that was built prior to 1960					
farms, 2022	12,539	49	22	366	116
2017	15,021	74	31	436	150
Aware of right to appeal an adverse program decision to USDA's National Appeals Division					
farms, 2022	13,042	46	24	241	84
2017	15,797	83	42	342	134

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

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

Item	Antrim	Arenac	Baraga	Barry	Bay
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	-	-	-	-	-
..... farms, 2017	-	-	-	-	-
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	15	7	2	19	6
..... farms, 2017	9	4	1	12	1
Harvested biomass for use in renewable energy farms, 2022	4	4	-	8	6
..... farms, 2017	-	7	1	5	-
Practiced rotational or management-intensive grazing farms, 2022	24	9	16	147	15
..... farms, 2017	37	11	15	111	14
Raised or sold veal calves farms, 2022	-	-	-	-	-
..... farms, 2017	-	-	-	4	-
On-farm packing facility farms, 2022	23	-	2	3	10
..... farms, 2017	9	1	2	2	13
Had a barn that was built prior to 1960 farms, 2022	97	61	14	277	177
..... farms, 2017	101	84	19	291	192
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	112	129	10	273	163
..... farms, 2017	98	128	26	290	251
Item	Benzie	Berrien	Branch	Calhoun	Cass
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	-	-	-	-	-
..... farms, 2017	-	-	-	-	-
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	2	24	7	18	10
..... farms, 2017	8	28	15	20	13
Harvested biomass for use in renewable energy farms, 2022	1	17	8	18	5
..... farms, 2017	-	6	5	13	6
Practiced rotational or management-intensive grazing farms, 2022	16	39	51	91	46
..... farms, 2017	17	57	55	95	70
Raised or sold veal calves farms, 2022	-	2	-	4	-
..... farms, 2017	-	2	6	-	-
On-farm packing facility farms, 2022	7	57	7	12	10
..... farms, 2017	4	46	7	17	13
Had a barn that was built prior to 1960 farms, 2022	33	222	213	266	195
..... farms, 2017	36	279	281	332	223
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	76	239	237	273	213
..... farms, 2017	80	291	293	334	282
Item	Charlevoix	Cheboygan	Chippewa	Clare	Clinton
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	-	-	-	-	-
..... farms, 2017	-	-	-	-	-
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	13	5	7	4	11
..... farms, 2017	6	7	19	4	22
Harvested biomass for use in renewable energy farms, 2022	4	1	4	6	4
..... farms, 2017	2	2	10	2	5
Practiced rotational or management-intensive grazing farms, 2022	34	43	52	40	73
..... farms, 2017	47	53	78	51	103
Raised or sold veal calves farms, 2022	-	3	-	-	-
..... farms, 2017	-	-	-	4	3
On-farm packing facility farms, 2022	6	1	3	2	12
..... farms, 2017	-	6	8	6	2
Had a barn that was built prior to 1960 farms, 2022	58	79	85	72	323
..... farms, 2017	85	100	109	113	377
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	37	75	99	70	366
..... farms, 2017	81	93	136	96	361

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

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

Item	Crawford	Delta	Dickinson	Eaton	Emmet	
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	-	-	-	-	-	
2017	-	-	-	-	-	
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	1	5	3	9	28	
2017	-	13	-	12	8	
Harvested biomass for use in renewable energy farms, 2022	2	6	3	22	3	
2017	-	-	2	6	8	
Practiced rotational or management-intensive grazing farms, 2022	2	36	8	115	38	
2017	13	39	15	91	36	
Raised or sold veal calves farms, 2022	-	-	-	-	-	
2017	-	-	-	-	3	
On-farm packing facility farms, 2022	-	1	-	14	14	
2017	1	2	3	12	11	
Had a barn that was built prior to 1960 farms, 2022	3	78	20	241	93	
2017	9	83	37	354	122	
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	8	88	37	246	95	
2017	9	88	61	338	120	
Item	Genesee	Gladwin	Gogebic	Grand Traverse	Gratiot	
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	-	-	-	-	-	
2017	-	-	-	-	-	
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	23	10	5	38	9	
2017	8	3	1	9	8	
Harvested biomass for use in renewable energy farms, 2022	14	14	-	6	-	
2017	6	-	-	3	1	
Practiced rotational or management-intensive grazing farms, 2022	62	47	12	72	39	
2017	88	41	12	36	36	
Raised or sold veal calves farms, 2022	-	1	-	-	-	
2017	-	3	-	-	1	
On-farm packing facility farms, 2022	16	-	1	15	4	
2017	7	-	-	8	7	
Had a barn that was built prior to 1960 farms, 2022	224	108	19	127	210	
2017	239	128	23	121	184	
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	209	125	16	175	285	
2017	255	121	20	191	291	
Item	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	-	-	-	-	-	-
2017	-	-	-	-	-	-
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	23	18	10	24	8	10
2017	11	21	23	16	13	4
Harvested biomass for use in renewable energy farms, 2022	16	5	6	21	15	3
2017	5	-	2	8	4	-
Practiced rotational or management-intensive grazing farms, 2022	138	34	25	117	84	13
2017	93	35	23	143	107	28
Raised or sold veal calves farms, 2022	2	-	-	-	-	-
2017	7	-	4	1	-	-
On-farm packing facility farms, 2022	2	5	2	3	2	-
2017	7	2	6	3	5	3
Had a barn that was built prior to 1960 farms, 2022	379	62	307	261	306	78
2017	357	59	360	284	334	84
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	398	31	351	212	297	66
2017	456	57	413	309	319	98

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

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

Item	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	-	-	-	-	-	-
..... farms, 2017	-	-	-	-	-	-
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	7	30	22	20	11	20
..... farms, 2017	8	17	17	22	7	34
Harvested biomass for use in renewable energy farms, 2022	5	8	14	7	8	6
..... farms, 2017	-	8	5	9	-	11
Practiced rotational or management-intensive grazing farms, 2022	26	49	108	58	10	115
..... farms, 2017	31	88	79	77	20	105
Raised or sold veal calves farms, 2022	-	1	-	-	-	-
..... farms, 2017	-	-	-	-	1	-
On-farm packing facility farms, 2022	8	4	5	11	9	23
..... farms, 2017	6	10	6	6	4	20
Had a barn that was built prior to 1960 farms, 2022	37	254	231	127	35	272
..... farms, 2017	37	268	300	195	68	343
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	29	217	235	163	67	262
..... farms, 2017	28	301	304	229	80	317
Item	Keweenaw	Lake	Lapeer	Leelanau	Lenawee	Livingston
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	-	-	-	-	-	-
..... farms, 2017	-	-	-	-	-	-
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	-	6	22	46	15	14
..... farms, 2017	-	12	12	29	24	10
Harvested biomass for use in renewable energy farms, 2022	-	1	11	6	4	15
..... farms, 2017	-	-	5	5	7	7
Practiced rotational or management-intensive grazing farms, 2022	1	19	130	45	66	68
..... farms, 2017	3	27	135	50	67	80
Raised or sold veal calves farms, 2022	-	-	-	-	2	-
..... farms, 2017	-	-	4	-	1	-
On-farm packing facility farms, 2022	-	-	12	18	2	11
..... farms, 2017	-	2	18	28	16	14
Had a barn that was built prior to 1960 farms, 2022	-	35	278	145	363	176
..... farms, 2017	-	64	345	155	440	245
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	1	33	271	199	470	170
..... farms, 2017	9	42	308	185	615	174
Item	Luce	Mackinac	Macomb	Manistee	Marquette	Mason
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	-	-	-	-	-	-
..... farms, 2017	-	-	-	-	-	-
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	1	8	9	8	14	16
..... farms, 2017	2	4	-	18	13	21
Harvested biomass for use in renewable energy farms, 2022	-	4	-	7	13	3
..... farms, 2017	-	-	1	-	4	-
Practiced rotational or management-intensive grazing farms, 2022	2	19	22	43	34	51
..... farms, 2017	8	19	19	28	20	38
Raised or sold veal calves farms, 2022	-	-	-	-	-	-
..... farms, 2017	-	-	-	-	-	-
On-farm packing facility farms, 2022	-	1	8	3	11	10
..... farms, 2017	-	4	9	1	8	3
Had a barn that was built prior to 1960 farms, 2022	14	17	127	87	47	151
..... farms, 2017	10	29	144	76	43	179
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	5	23	112	102	68	136
..... farms, 2017	10	38	142	84	80	136

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

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

Item	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	-	-	-	-	-	-
..... farms, 2017	-	-	-	-	-	-
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	26	3	15	4	13	8
..... farms, 2017	10	11	15	4	10	12
Harvested biomass for use in renewable energy farms, 2022	8	2	4	2	6	6
..... farms, 2017	5	3	5	-	4	2
Practiced rotational or management-intensive grazing farms, 2022	75	18	37	19	55	72
..... farms, 2017	75	35	61	32	43	98
Raised or sold veal calves farms, 2022	1	-	-	1	-	-
..... farms, 2017	-	2	-	2	2	1
On-farm packing facility farms, 2022	3	1	4	2	7	11
..... farms, 2017	13	1	12	3	14	8
Had a barn that was built prior to 1960 farms, 2022	185	87	100	93	290	234
..... farms, 2017	242	127	141	134	319	327
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	204	77	170	76	337	218
..... farms, 2017	227	140	150	136	346	304
Item	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	-	-	-	-	-	-
..... farms, 2017	-	-	-	-	-	-
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	2	28	20	11	18	3
..... farms, 2017	-	10	16	4	33	6
Harvested biomass for use in renewable energy farms, 2022	-	2	14	11	2	3
..... farms, 2017	3	2	3	-	10	3
Practiced rotational or management-intensive grazing farms, 2022	19	37	106	68	33	29
..... farms, 2017	18	42	101	65	46	27
Raised or sold veal calves farms, 2022	-	1	1	-	-	-
..... farms, 2017	-	-	6	-	2	-
On-farm packing facility farms, 2022	-	27	8	7	11	-
..... farms, 2017	3	16	8	10	24	-
Had a barn that was built prior to 1960 farms, 2022	33	107	236	89	103	80
..... farms, 2017	54	140	249	104	184	94
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	30	119	219	135	125	72
..... farms, 2017	83	126	242	139	192	98
Item	Ontonagon	Osceola	Oscoda	Otsego	Ottawa	Presque Isle
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	-	-	-	-	-	-
..... farms, 2017	-	-	-	-	-	-
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	9	13	6	11	21	2
..... farms, 2017	6	15	2	9	12	7
Harvested biomass for use in renewable energy farms, 2022	-	5	-	10	6	1
..... farms, 2017	-	5	3	-	5	-
Practiced rotational or management-intensive grazing farms, 2022	20	100	20	19	77	35
..... farms, 2017	14	71	20	14	102	39
Raised or sold veal calves farms, 2022	-	1	-	-	-	-
..... farms, 2017	-	6	4	-	3	6
On-farm packing facility farms, 2022	2	7	1	8	35	8
..... farms, 2017	-	4	2	1	35	5
Had a barn that was built prior to 1960 farms, 2022	27	147	28	45	277	99
..... farms, 2017	40	187	44	67	356	102
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	41	168	19	56	283	65
..... farms, 2017	44	202	16	56	296	107

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

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

Item	Roscommon	Saginaw	St. Clair	St. Joseph	Sanilac	Schoolcraft
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	-	-	-	-	-	-
..... farms, 2017	-	-	-	-	-	-
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	2	23	4	24	11	4
..... farms, 2017	1	18	13	15	14	1
Harvested biomass for use in renewable energy farms, 2022	-	16	14	14	7	-
..... farms, 2017	1	14	6	6	7	-
Practiced rotational or management-intensive grazing farms, 2022	4	38	61	87	75	15
..... farms, 2017	4	34	89	75	105	8
Raised or sold veal calves farms, 2022	-	2	-	2	13	-
..... farms, 2017	-	-	9	2	16	-
On-farm packing facility farms, 2022	2	7	9	2	28	-
..... farms, 2017	6	6	7	3	22	-
Had a barn that was built prior to 1960 farms, 2022	7	367	315	249	355	10
..... farms, 2017	12	424	345	271	506	15
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	6	353	288	188	398	12
..... farms, 2017	22	413	364	270	477	18

Item	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
Received irrigation water from the U.S. Bureau of Reclamation farms, 2022	-	-	-	-	-	-
..... farms, 2017	-	-	-	-	-	-
Practiced alley cropping, silvopasture, forest farming, or had riparian forest buffers or windbreaks farms, 2022	11	7	30	53	14	22
..... farms, 2017	7	20	22	30	5	9
Harvested biomass for use in renewable energy farms, 2022	5	16	8	22	11	2
..... farms, 2017	5	2	9	10	-	4
Practiced rotational or management-intensive grazing farms, 2022	68	65	56	143	17	46
..... farms, 2017	44	78	66	125	25	35
Raised or sold veal calves farms, 2022	1	5	-	1	-	-
..... farms, 2017	-	4	-	-	-	-
On-farm packing facility farms, 2022	1	13	45	35	33	2
..... farms, 2017	5	4	39	27	13	-
Had a barn that was built prior to 1960 farms, 2022	288	339	164	448	49	51
..... farms, 2017	317	385	233	468	41	61
Aware of right to appeal an adverse program decision to USDA's National Appeals Division farms, 2022	306	384	225	369	70	60
..... farms, 2017	341	442	320	391	66	100

Table 44. Farms by North American Industry Classification System: 2022

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

Item	Michigan	Alcona	Alger	Allegan	Alpena
Total farms	45,581	199	95	1,120	305
Oilseed and grain farming (1111)	11,754	25	10	175	31
Vegetable and melon farming (1112)	1,800	17	3	49	12
Fruit and tree nut farming (1113)	2,831	9	8	92	14
Greenhouse, nursery, and floriculture production (1114)	2,604	7	8	81	22
Other crop farming (1119)	10,801	78	40	217	113
Tobacco farming (11191)	-	-	-	-	-
Cotton farming (11192)	-	-	-	-	-
Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	10,801	78	40	217	113
Beef cattle ranching and farming (11211)	4,841	27	11	134	43
Cattle feedlots (11212)	315	2	-	9	2
Dairy cattle and milk production (11212)	957	2	3	53	13
Hog and pig farming (1122)	849	6	2	41	4
Poultry and egg production (1123)	2,190	6	1	71	6
Sheep and goat farming (1124)	1,641	4	4	59	22
Aquaculture and other animal production (1125, 1129)	4,998	16	5	139	23

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Table 44. Farms by North American Industry Classification System: 2022 (continued)

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

Item	Antrim	Arenac	Baraga	Barry	Bay
Total farms	350	308	78	897	659
Oilseed and grain farming (1111)	9	108	3	167	350
Vegetable and melon farming (1112)	35	3	5	18	37
Fruit and tree nut farming (1113)	69	4	3	10	-
Greenhouse, nursery, and floriculture production (1114)	23	12	5	13	20
Other crop farming (1119)	101	130	22	259	151
Tobacco farming (11191)	-	-	-	-	-
Cotton farming (11192)	-	-	-	-	-
Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	101	130	22	259	151
Beef cattle ranching and farming (112111)	32	12	14	170	32
Cattle feedlots (112112)	6	1	-	7	5
Dairy cattle and milk production (11212)	3	12	1	16	1
Hog and pig farming (1122)	6	4	-	15	2
Poultry and egg production (1123)	24	7	5	50	12
Sheep and goat farming (1124)	3	2	6	45	2
Aquaculture and other animal production (1125, 1129)	39	13	14	127	47

Item	Benzie	Berrien	Branch	Calhoun	Cass
Total farms	194	792	758	898	651
Oilseed and grain farming (1111)	3	189	280	295	210
Vegetable and melon farming (1112)	22	48	21	34	25
Fruit and tree nut farming (1113)	58	197	13	12	19
Greenhouse, nursery, and floriculture production (1114)	11	82	17	41	9
Other crop farming (1119)	24	124	200	216	142
Tobacco farming (11191)	-	-	-	-	-
Cotton farming (11192)	-	-	-	-	-
Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	24	124	200	216	142
Beef cattle ranching and farming (112111)	17	25	88	80	56
Cattle feedlots (112112)	-	2	9	2	4
Dairy cattle and milk production (11212)	-	4	9	10	-
Hog and pig farming (1122)	3	5	36	18	32
Poultry and egg production (1123)	9	20	24	34	22
Sheep and goat farming (1124)	8	12	11	57	35
Aquaculture and other animal production (1125, 1129)	39	84	50	99	97

Item	Charlevoix	Cheboygan	Chippewa	Clare	Clinton
Total farms	209	268	335	336	1,107
Oilseed and grain farming (1111)	14	8	5	29	413
Vegetable and melon farming (1112)	3	9	5	3	26
Fruit and tree nut farming (1113)	26	14	5	17	22
Greenhouse, nursery, and floriculture production (1114)	22	24	22	19	28
Other crop farming (1119)	64	113	180	95	218
Tobacco farming (11191)	-	-	-	-	-
Cotton farming (11192)	-	-	-	-	-
Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	64	113	180	95	218
Beef cattle ranching and farming (112111)	21	51	43	57	104
Cattle feedlots (112112)	1	-	-	1	6
Dairy cattle and milk production (11212)	5	-	3	37	35
Hog and pig farming (1122)	2	11	10	6	21
Poultry and egg production (1123)	15	12	23	9	62
Sheep and goat farming (1124)	7	10	9	14	53
Aquaculture and other animal production (1125, 1129)	29	16	30	49	119

Item	Crawford	Delta	Dickinson	Eaton	Emmet
Total farms	29	282	133	953	376
Oilseed and grain farming (1111)	-	8	4	345	20
Vegetable and melon farming (1112)	1	8	4	29	22
Fruit and tree nut farming (1113)	-	22	14	17	41
Greenhouse, nursery, and floriculture production (1114)	4	12	8	41	58
Other crop farming (1119)	8	138	53	204	105
Tobacco farming (11191)	-	-	-	-	-
Cotton farming (11192)	-	-	-	-	-
Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	8	138	53	204	105
Beef cattle ranching and farming (112111)	6	49	24	98	39
Cattle feedlots (112112)	-	1	-	3	1
Dairy cattle and milk production (11212)	-	10	2	25	5
Hog and pig farming (1122)	1	9	-	14	5
Poultry and egg production (1123)	-	5	10	38	44
Sheep and goat farming (1124)	-	6	-	39	19
Aquaculture and other animal production (1125, 1129)	9	14	14	100	17

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Table 44. Farms by North American Industry Classification System: 2022 (continued)

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

Item	Genesee	Gladwin	Gogebic	Grand Traverse	Gratiot
Total farms	793	419	58	553	818
Oilseed and grain farming (1111)	191	66	1	27	392
Vegetable and melon farming (1112)	58	11	1	23	6
Fruit and tree nut farming (1113)	38	3	1	202	16
Greenhouse, nursery, and floriculture production (1114)	65	10	8	51	12
Other crop farming (1119)	151	158	17	91	168
Tobacco farming (11191)	-	-	-	-	-
Cotton farming (11192)	-	-	-	-	-
Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	151	158	17	91	168
Beef cattle ranching and farming (112111)	69	57	12	33	85
Cattle feedlots (112112)	2	4	-	2	9
Dairy cattle and milk production (11212)	6	2	-	1	31
Hog and pig farming (1122)	15	5	1	12	6
Poultry and egg production (1123)	67	24	5	20	21
Sheep and goat farming (1124)	33	23	4	21	29
Aquaculture and other animal production (1125, 1129)	98	56	8	70	43

Item	Hillsdale	Houghton	Huron	Ingham	Ionia	Iosco
Total farms	1,286	187	1,217	863	936	221
Oilseed and grain farming (1111)	430	6	483	224	319	25
Vegetable and melon farming (1112)	18	19	9	37	24	11
Fruit and tree nut farming (1113)	7	24	15	39	19	8
Greenhouse, nursery, and floriculture production (1114)	20	8	11	57	21	14
Other crop farming (1119)	366	62	453	167	187	53
Tobacco farming (11191)	-	-	-	-	-	-
Cotton farming (11192)	-	-	-	-	-	-
Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	366	62	453	167	187	53
Beef cattle ranching and farming (112111)	175	38	86	95	113	40
Cattle feedlots (112112)	9	-	33	2	14	1
Dairy cattle and milk production (11212)	22	-	43	11	38	7
Hog and pig farming (1122)	17	-	27	24	24	8
Poultry and egg production (1123)	48	5	15	48	51	14
Sheep and goat farming (1124)	55	-	14	50	36	5
Aquaculture and other animal production (1125, 1129)	119	25	28	109	90	35

Item	Iron	Isabella	Jackson	Kalamazoo	Kalkaska	Kent
Total farms	114	750	896	607	181	1,049
Oilseed and grain farming (1111)	2	289	253	152	1	140
Vegetable and melon farming (1112)	2	12	38	24	12	46
Fruit and tree nut farming (1113)	7	21	20	27	10	133
Greenhouse, nursery, and floriculture production (1114)	11	16	48	95	28	105
Other crop farming (1119)	48	211	171	92	55	185
Tobacco farming (11191)	-	-	-	-	-	-
Cotton farming (11192)	-	-	-	-	-	-
Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	48	211	171	92	55	185
Beef cattle ranching and farming (112111)	15	81	91	46	15	134
Cattle feedlots (112112)	-	13	9	-	1	6
Dairy cattle and milk production (11212)	-	27	13	7	2	22
Hog and pig farming (1122)	6	1	7	21	9	33
Poultry and egg production (1123)	4	14	63	33	13	52
Sheep and goat farming (1124)	15	22	62	25	5	44
Aquaculture and other animal production (1125, 1129)	4	43	121	85	30	149

Item	Keweenaw	Lake	Lapeer	Leelanau	Lenawee	Livingston
Total farms	15	146	1,050	500	1,205	658
Oilseed and grain farming (1111)	-	4	233	22	494	115
Vegetable and melon farming (1112)	-	3	83	33	27	37
Fruit and tree nut farming (1113)	5	13	43	202	46	17
Greenhouse, nursery, and floriculture production (1114)	4	6	58	44	37	48
Other crop farming (1119)	5	53	212	98	329	119
Tobacco farming (11191)	-	-	-	-	-	-
Cotton farming (11192)	-	-	-	-	-	-
Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	5	53	212	98	329	119
Beef cattle ranching and farming (112111)	-	25	127	19	88	58
Cattle feedlots (112112)	-	1	7	2	4	-
Dairy cattle and milk production (11212)	-	-	6	1	13	6
Hog and pig farming (1122)	-	6	10	15	2	18
Poultry and egg production (1123)	-	12	100	23	45	67
Sheep and goat farming (1124)	-	5	36	8	45	27
Aquaculture and other animal production (1125, 1129)	1	18	135	33	75	146

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Table 44. Farms by North American Industry Classification System: 2022 (continued)

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

Item	Luce	Mackinac	Macomb	Manistee	Marquette	Mason
Total farms	47	88	457	278	212	418
Oilseed and grain farming (1111)	-	-	168	23	1	90
Vegetable and melon farming (1112)	1	-	35	13	20	11
Fruit and tree nut farming (1113)	1	6	36	24	13	54
Greenhouse, nursery, and floriculture production (1114)	9	3	44	42	14	34
Other crop farming (1119)	9	26	51	88	71	107
Tobacco farming (11191)	-	-	-	-	-	-
Cotton farming (11192)	-	-	-	-	-	-
Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	9	26	51	88	71	107
Beef cattle ranching and farming (112111)	7	12	13	40	22	33
Cattle feedlots (112112)	1	-	1	-	-	2
Dairy cattle and milk production (11212)	2	2	7	1	2	9
Hog and pig farming (1122)	6	-	4	2	-	13
Poultry and egg production (1123)	6	5	35	15	22	19
Sheep and goat farming (1124)	-	14	8	12	1	10
Aquaculture and other animal production (1125, 1129)	5	20	55	18	46	36

Item	Mecosta	Menominee	Midland	Missaukee	Monroe	Montcalm
Total farms	682	277	549	344	1,122	818
Oilseed and grain farming (1111)	84	17	155	10	546	212
Vegetable and melon farming (1112)	16	4	20	5	59	29
Fruit and tree nut farming (1113)	33	21	15	28	28	25
Greenhouse, nursery, and floriculture production (1114)	21	24	5	59	55	16
Other crop farming (1119)	209	98	141	73	142	213
Tobacco farming (11191)	-	-	-	-	-	-
Cotton farming (11192)	-	-	-	-	-	-
Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	209	98	141	73	142	213
Beef cattle ranching and farming (112111)	129	43	85	57	68	133
Cattle feedlots (112112)	3	2	4	3	5	5
Dairy cattle and milk production (11212)	17	31	2	33	4	30
Hog and pig farming (1122)	17	1	15	7	10	23
Poultry and egg production (1123)	42	8	25	19	54	35
Sheep and goat farming (1124)	25	2	24	26	20	23
Aquaculture and other animal production (1125, 1129)	86	26	58	24	131	74

Item	Montmorency	Muskegon	Newaygo	Oakland	Oceana	Ogemaw
Total farms	103	396	795	541	492	270
Oilseed and grain farming (1111)	12	60	81	22	66	38
Vegetable and melon farming (1112)	2	34	28	30	42	-
Fruit and tree nut farming (1113)	6	50	43	36	100	12
Greenhouse, nursery, and floriculture production (1114)	-	39	30	107	23	5
Other crop farming (1119)	33	58	218	94	102	88
Tobacco farming (11191)	-	-	-	-	-	-
Cotton farming (11192)	-	-	-	-	-	-
Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	33	58	218	94	102	88
Beef cattle ranching and farming (112111)	21	63	155	36	35	37
Cattle feedlots (112112)	3	3	12	-	2	2
Dairy cattle and milk production (11212)	1	10	25	2	7	26
Hog and pig farming (1122)	1	8	13	15	9	6
Poultry and egg production (1123)	4	20	41	48	22	12
Sheep and goat farming (1124)	4	8	17	27	15	16
Aquaculture and other animal production (1125, 1129)	16	43	132	124	69	28

Item	Ontonagon	Osceola	Oscoda	Otsego	Ottawa	Presque Isle
Total farms	97	554	142	223	1,040	280
Oilseed and grain farming (1111)	-	23	1	16	172	56
Vegetable and melon farming (1112)	-	8	9	11	53	13
Fruit and tree nut farming (1113)	3	13	5	26	142	18
Greenhouse, nursery, and floriculture production (1114)	-	22	3	5	126	15
Other crop farming (1119)	60	222	29	72	141	96
Tobacco farming (11191)	-	-	-	-	-	-
Cotton farming (11192)	-	-	-	-	-	-
Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	60	222	29	72	141	96
Beef cattle ranching and farming (112111)	21	118	26	23	134	46
Cattle feedlots (112112)	-	2	4	-	23	1
Dairy cattle and milk production (11212)	1	17	12	-	29	2
Hog and pig farming (1122)	2	10	-	7	26	-
Poultry and egg production (1123)	2	20	11	7	38	12
Sheep and goat farming (1124)	2	47	8	7	26	-
Aquaculture and other animal production (1125, 1129)	6	52	34	49	130	21

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Table 44. Farms by North American Industry Classification System: 2022 (continued)

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

Item	Roscommon	Saginaw	St. Clair	St. Joseph	Sanilac	Schoolcraft
Total farms	34	1,284	1,060	763	1,334	65
Oilseed and grain farming (1111)	-	726	371	250	628	2
Vegetable and melon farming (1112)	-	44	24	15	42	3
Fruit and tree nut farming (1113)	2	15	32	8	21	3
Greenhouse, nursery, and floriculture production (1114)	3	48	73	9	46	1
Other crop farming (1119)	17	261	190	142	245	28
Tobacco farming (11191)	-	-	-	-	-	-
Cotton farming (11192)	-	-	-	-	-	-
Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	17	261	190	142	245	28
Beef cattle ranching and farming (112111)	4	54	72	72	129	14
Cattle feedlots (112112)	2	6	6	3	22	-
Dairy cattle and milk production (11212)	-	8	15	16	63	-
Hog and pig farming (1122)	2	-	15	17	6	-
Poultry and egg production (1123)	1	24	80	46	45	-
Sheep and goat farming (1124)	-	25	56	40	17	-
Aquaculture and other animal production (1125, 1129)	3	73	126	145	70	14

Item	Shiawassee	Tuscola	Van Buren	Washtenaw	Wayne	Wexford
Total farms	1,029	1,247	838	1,255	309	284
Oilseed and grain farming (1111)	455	484	112	273	18	12
Vegetable and melon farming (1112)	24	37	24	111	55	5
Fruit and tree nut farming (1113)	21	26	268	53	35	7
Greenhouse, nursery, and floriculture production (1114)	52	31	42	128	81	23
Other crop farming (1119)	198	363	153	196	18	103
Tobacco farming (11191)	-	-	-	-	-	-
Cotton farming (11192)	-	-	-	-	-	-
Sugarcane farming, hay farming, and all other crop farming (11193, 11194, 11199)	198	363	153	196	18	103
Beef cattle ranching and farming (112111)	87	132	63	70	16	36
Cattle feedlots (112112)	4	6	-	6	-	1
Dairy cattle and milk production (11212)	10	26	10	13	2	15
Hog and pig farming (1122)	18	11	18	19	12	16
Poultry and egg production (1123)	37	44	42	72	6	18
Sheep and goat farming (1124)	37	14	17	86	7	9
Aquaculture and other animal production (1125, 1129)	86	73	89	228	59	39