

**Table 41. Land Use Practices: 2022 and 2017**

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

Item	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin		
Land drained by tile .....	farms, 2022	271	10	17	11	-	26	23	
	2017	223	6	10	14	-	17	43	
	acres, 2022	4,739	63	398	210	-	435	434	
	2017	3,611	19	96	109	-	297	486	
Average per farm .....	acres, 2022	17	6	23	19	-	17	19	
	2017	16	3	10	8	-	17	11	
	Land artificially drained by ditches .....	farms, 2022	642	54	33	25	1	33	61
		2017	735	42	39	61	7	27	85
acres, 2022		15,368	623	719	719	(D)	366	1,280	
2017		14,712	527	741	906	9	376	1,092	
Average per farm .....	acres, 2022	24	12	22	29	(D)	11	21	
	2017	20	13	19	15	1	14	13	
	Land under conservation easement .....	farms, 2022	863	40	76	55	25	71	122
		2017	824	17	49	73	19	88	142
acres, 2022		56,943	261	19,284	4,075	462	2,757	9,664	
2017		49,897	71	5,890	3,452	627	4,175	10,575	
Average per farm .....	acres, 2022	66	7	254	74	18	39	79	
	2017	61	4	120	47	33	47	74	
	Cropland on which no-till practices were used .....	farms, 2022	775	20	71	63	5	65	80
		2017	679	15	60	43	11	35	73
acres, 2022		9,769	39	1,569	664	5	961	1,169	
2017		9,152	54	989	1,275	(D)	422	1,068	
Average per farm .....	acres, 2022	13	2	22	11	1	15	15	
	2017	13	4	16	30	(D)	12	15	
	Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text) .....	farms, 2022	521	22	31	36	6	38	54
		2017	349	5	35	21	11	21	50
acres, 2022		14,275	52	2,161	499	93	566	2,304	
2017		10,481	(D)	2,916	505	43	411	1,213	
Average per farm .....	acres, 2022	27	2	70	14	16	15	43	
	2017	30	(D)	83	24	4	20	24	
	Cropland on which intensive or conventional tillage practices were used (see text) .....	farms, 2022	855	33	70	75	2	58	114
		2017	928	35	42	87	7	86	122
acres, 2022		19,677	187	1,220	2,402	(D)	1,275	2,727	
2017		23,868	197	1,122	2,146	54	1,907	5,987	
Average per farm .....	acres, 2022	23	6	17	32	(D)	22	24	
	2017	26	6	27	25	8	22	49	
	Cropland planted to a cover crop (excluding CRP) .....	farms, 2022	941	36	76	52	6	72	139
		2017	907	30	51	85	14	66	125
acres, 2022		15,665	72	2,473	733	(D)	1,074	2,102	
2017		17,390	95	1,978	1,612	(D)	877	2,621	
Average per farm .....	acres, 2022	17	2	33	14	(D)	15	15	
	2017	19	3	39	19	(D)	13	21	
	Use of precision agriculture practices (see text) .....	farms, 2022	266	21	23	22	4	11	33
		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	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester	
Land drained by tile .....	farms, 2022	20	22	25	-	8	72	5	32
	2017	7	14	21	-	5	48	-	38
Acres, 2022	190	478	709	-	60	1,222	24	516	
	2017	40	200	373	-	28	1,167	-	796
Average per farm .....	acres, 2022	10	22	28	-	8	17	5	16
	2017	6	14	18	-	6	24	-	21
Land artificially drained by ditches .....	farms, 2022	36	60	26	3	17	224	5	64
	2017	26	65	49	1	28	242	-	63
Acres, 2022	392	1,309	451	63	327	8,414	(D)	685	
	2017	(D)	678	897	(D)	314	8,111	-	576
Average per farm .....	acres, 2022	11	22	17	21	19	38	(D)	11
	2017	(D)	10	18	(D)	11	34	-	9
Land under conservation easement .....	farms, 2022	36	100	111	-	13	62	6	146
	2017	39	66	122	4	23	44	-	138
Acres, 2022	1,961	4,508	4,003	-	985	1,379	36	7,568	
	2017	2,927	5,213	3,400	37	645	1,340	-	11,545
Average per farm .....	acres, 2022	54	45	36	-	76	22	6	52
	2017	75	79	28	9	28	30	-	84
Cropland on which no-till practices were used .....	farms, 2022	41	89	95	-	17	70	11	148
	2017	54	89	57	6	18	28	1	189
Acres, 2022	693	1,616	994	-	25	507	35	1,492	
	2017	985	1,228	559	48	137	558	(D)	1,800
Average per farm .....	acres, 2022	17	18	10	-	1	7	3	10
	2017	18	14	10	8	8	20	(D)	10
Cropland on which conservation or reduced tillage, excluding no-till, practices were used (see text) .....	farms, 2022	30	57	58	2	15	47	8	117
	2017	30	31	56	1	14	17	-	57
Acres, 2022	493	4,512	1,269	(D)	211	613	(D)	1,472	
	2017	793	2,378	677	(D)	69	382	-	1,064
Average per farm .....	acres, 2022	16	79	22	(D)	14	13	(D)	13
	2017	26	77	12	(D)	5	22	-	19
Cropland on which intensive or conventional tillage practices were used (see text) .....	farms, 2022	88	106	58	10	19	78	-	144
	2017	66	139	92	4	19	76	-	153
Acres, 2022	3,014	2,920	1,161	(D)	265	1,123	-	3,189	
	2017	2,694	4,406	1,667	87	313	884	-	2,404
Average per farm .....	acres, 2022	34	28	20	(D)	14	14	-	22
	2017	41	32	18	22	16	12	-	16
Cropland planted to a cover crop (excluding CRP) .....	farms, 2022	57	130	94	5	29	72	1	172
	2017	64	143	95	6	26	34	1	167
Acres, 2022	1,196	3,719	965	145	365	785	(D)	2,020	
	2017	2,119	4,152	1,070	78	347	461	(D)	1,922
Average per farm .....	acres, 2022	21	29	10	29	13	11	(D)	12
	2017	33	29	11	13	13	14	(D)	12
Use of precision agriculture practices (see text) .....	farms, 2022	7	13	16	3	4	71	-	38
	2017	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

**Table 42. Organic Agriculture: 2022 and 2017**

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

Item	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin	
<b>VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES</b>								
Total organic product sales .....	farms, 2022	176	8	6	10	2	8	37
	2017	204	11	15	18	5	6	30
\$1,000, 2022	29,573	152	(D)	1,940	(D)	188	8,757	
	2017	32,795	115	1,523	2,171	(D)	97	8,595
By value of sales:								
\$1 to \$4,999 .....	farms, 2022	47	2	2	1	2	-	12
	2017	74	9	1	2	1	2	12
\$1,000, 2022	98	(D)	(D)	(D)	(D)	(D)	-	14
	2017	180	(D)	(D)	(D)	(D)	(D)	19
\$5,000 or more .....	farms, 2022	129	6	4	9	-	8	25
	2017	130	2	14	16	4	4	18
\$1,000, 2022	29,475	(D)	(D)	(D)	(D)	-	188	8,744
	2017	32,615	(D)	(D)	(D)	(D)	(D)	8,576
<b>TYPE OF PRODUCTION</b>								
USDA National Organic Program certified organic production .....	farms, 2022	157	6	6	12	2	8	30
	2017	156	6	14	18	4	4	21
USDA National Organic Program organic production exempt from certification .....	farms, 2022	34	2	-	1	-	-	9
	2017	52	5	2	-	1	2	11
Acres transitioning into USDA National Organic Program organic production .....	farms, 2022	25	-	-	-	-	-	6
	2017	15	-	-	-	-	2	5

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

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

Item	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
<b>VALUE OF SALES OF CERTIFIED OR EXEMPT ORGANICALLY PRODUCED COMMODITIES</b>								
Total organic product sales ..... farms, 2022	2	20	38	4	8	11	-	22
2017	7	28	26	2	6	19	5	26
\$1,000, 2022	(D)	3,422	4,468	(D)	1,454	192	-	6,644
2017	38	4,949	2,985	(D)	345	7,157	18	4,206
By value of sales:								
\$1 to \$4,999 ..... farms, 2022	-	4	6	3	1	2	-	12
2017	2	15	5	1	-	5	5	14
\$1,000, 2022	-	5	20	5	(D)	(D)	-	31
2017	(D)	45	6	(D)	-	15	18	43
\$5,000 or more ..... farms, 2022	2	16	32	1	7	9	-	10
2017	5	13	21	1	6	14	-	12
\$1,000, 2022	(D)	3,417	4,448	(D)	(D)	(D)	-	6,613
2017	(D)	4,904	2,979	(D)	345	7,143	-	4,163
<b>TYPE OF PRODUCTION</b>								
USDA National Organic Program certified organic production ..... farms, 2022	2	18	32	4	7	14	-	16
2017	5	19	21	2	6	16	-	20
USDA National Organic Program organic production exempt from certification ..... farms, 2022	2	2	6	-	1	2	-	9
2017	2	9	5	-	-	4	5	6
Acres transitioning into USDA National Organic Program organic production ..... farms, 2022	-	3	7	-	3	-	-	6
2017	2	1	1	-	-	-	-	4

**Table 43. Selected Practices: 2022 and 2017**

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

Item	Massachusetts	Barnstable	Berkshire	Bristol	Dukes	Essex	Franklin	
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	271	3	34	14	7	8	53	
2017	299	1	25	20	4	6	59	
Harvested biomass for use in renewable energy ..... farms, 2022	213	5	28	9	-	9	29	
2017	115	2	10	13	-	3	37	
Practiced rotational or management-intensive grazing ..... farms, 2022	823	18	59	60	23	40	111	
2017	846	11	74	68	25	52	174	
Raised or sold veal calves ..... farms, 2022	14	-	2	2	-	-	4	
2017	19	-	6	4	1	1	1	
On-farm packing facility ..... farms, 2022	384	23	26	25	5	33	67	
2017	303	17	17	18	5	9	30	
Had a barn that was built prior to 1960 ..... farms, 2022	1,925	42	152	138	10	149	287	
2017	1,964	29	172	165	22	138	289	
Aware of right to appeal an adverse program decision to USDA's National Appeals Division ..... farms, 2022	1,991	111	151	147	16	131	202	
2017	2,015	97	173	225	28	106	221	
Item	Hampden	Hampshire	Middlesex	Nantucket	Norfolk	Plymouth	Suffolk	Worcester
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	6	46	29	-	6	10	-	55
2017	21	47	16	5	5	30	-	60
Harvested biomass for use in renewable energy ..... farms, 2022	15	20	20	-	-	21	-	57
2017	3	9	7	-	3	9	-	19
Practiced rotational or management-intensive grazing ..... farms, 2022	47	99	73	-	21	34	6	232
2017	62	82	68	-	13	53	-	164
Raised or sold veal calves ..... farms, 2022	-	3	-	-	-	-	-	3
2017	1	-	-	-	-	-	-	3
On-farm packing facility ..... farms, 2022	20	50	45	1	13	23	4	49
2017	15	55	32	-	21	15	2	67
Had a barn that was built prior to 1960 ..... farms, 2022	139	205	159	6	36	174	5	423
2017	126	223	204	3	51	141	-	401
Aware of right to appeal an adverse program decision to USDA's National Appeals Division ..... farms, 2022	139	181	150	4	25	236	6	492
2017	115	218	166	4	56	224	8	374