

Apples

Apples: Number of farms and acres by county and district

County and district	Farms				Acres			
	2003	2006	2011	2014	2003	2006	2011	2014
Antrim ¹	36	42	36	39	700	650	670	670
Benzie	17	19	18	15	800	750	690	680
Grand Traverse	45	39	39	40	750	700	650	700
Leelanau	58	57	53	50	1,800	1,350	1,150	1,100
Manistee	24	19	18	14	1,050	550	640	550
Northwest	180	176	164	158	5,100	4,000	3,800	3,700
Ionia	10	10	9	7	650	620	550	450
Kent	95	91	82	86	9,300	8,150	8,400	8,600
Mason	26	23	19	19	1,500	1,450	1,450	1,450
Montcalm, Mecosta	13	9	6	9	850	730	750	650
Muskegon	14	14	11	9	2,300	2,300	2,700	2,600
Newaygo	18	13	12	13	1,800	1,500	1,500	1,500
Oceana	73	67	63	61	3,500	3,250	3,500	3,450
Ottawa	41	41	39	37	3,800	3,500	3,350	3,500
West Central	290	268	241	241	23,700	21,500	22,200	22,200
Allegan	32	32	23	22	650	600	630	650
Berrien	148	143	123	109	4,800	4,200	3,900	3,500
Cass, Kalamazoo	27	21	22	24	950	700	670	600
Van Buren	63	56	47	41	3,800	3,300	2,900	2,550
Southwest	270	252	215	196	10,200	8,800	8,100	7,300
North ²	49	52	56	65	250	230	190	200
Saginaw Bay ³	23	23	18	19	130	130	120	100
Central ⁴	39	34	22	22	530	270	210	190
West Thumb ⁵	25	26	21	17	520	480	480	440
East Thumb ⁶	47	44	33	32	940	660	530	540
South Central ⁷	22	22	23	27	330	290	230	190
Southeast ⁸	55	53	47	48	800	640	640	640
East	260	254	220	230	3,500	2,700	2,400	2,300
Michigan	1,000	950	840	825	42,500	37,000	36,500	35,500

¹ Includes Charlevoix, Cheboygan, and Emmet.

² North: Upper Peninsula, North Central and Northeast Lower Peninsula.

³ Saginaw Bay: Bay, Huron, Midland, Saginaw, Tuscola.

⁴ Central: Barry, Clinton, Eaton, Gratiot, Ingham, Isabella, Shiawassee.

⁵ West Thumb: Genesee, Livingston, Oakland.

⁶ East Thumb: Lapeer, Macomb, Sanilac, St. Clair.

⁷ South Central: Branch, Calhoun, Hillsdale, Jackson, St. Joseph.

⁸ Southeast: Lenawee, Monroe, Washtenaw, Wayne.

Apples: Acres by variety and year planted

Year planted	Empire	Fuji	Gala	Ginger Gold	Golden Delicious
1979 and before	150	0	3	0	450
1980-1984	355	0	27	0	365
1985-1989	375	9	245	0	570
1990-1994	485	230	455	65	660
1995-1999	59	155	950	155	940
2000-2004	20	76	720	21	325
2005-2009	90	525	935	25	245
2010		150	215		
2011		73	330		
2012		105	220		
2013		160	320		
2014		67	230		
Michigan	1,560	1,550	4,650	310	3,600
	Honeycrisp	Idared	Jonagold	Jonathan	McIntosh
1979 and before	0	740	27	445	360
1980-1984	0	475	28	280	235
1985-1989	5	260	69	370	280
1990-1994	50	210	455	335	270
1995-1999	380	325	305	330	165
2000-2004	610	200	66	260	305
2005-2009	1,005	145	475	165	540
2010	110		185		69
2011	80		150		58
2012	120		180		20
2013	175		120		52
2014	265		100		16
Michigan	2,800	2,510	2,160	2,250	2,370

Apples: Acres by variety and year planted (continued)

Year planted	Northern Spy	Paula Red	Red Delicious	Rome	Sweetango	Other	Michigan
1979 and before	330	130	755	510	0	280	4,180
1980-1984	215	110	1,005	345	0	250	3,690
1985-1989	235	37	1,275	305	0	245	4,280
1990-1994	145	15	685	280	0	470	4,810
1995-1999	190	31	995	110	0	460	5,550
2000-2004	63	86	425	23	0	170	3,370
2005-2009	38	69	250	48	195	170	4,920
2010			71			215	1,015
2011			67			127	885
2012			23			107	775
2013			41			247	1,115
2014			98			134	910
Michigan	1,220	510	5,690	1,630	340	2,350	35,500

Apples: Trees by variety and year planted

Year planted	Empire	Fuji	Gala	Ginger Gold	Golden Delicious
1979 and before	23,900	0	700	0	53,600
1980-1984	56,200	0	6,400	0	54,600
1985-1989	69,300	2,000	61,900	0	110,000
1990-1994	116,000	77,500	165,000	22,100	174,000
1995-1999	12,500	61,300	396,000	64,300	264,000
2000-2004	4,900	28,700	276,000	3,600	92,400
2005-2009	24,700	228,000	380,000	6,300	89,300
2010		92,800	123,000		
2011		37,300	184,000		
2012		67,900	152,000		
2013		114,000	262,000		
2014		63,500	203,000		
Michigan	315,000	773,000	2,210,000	114,000	854,000
	Honeycrisp	Idared	Jonagold	Jonathan	McIntosh
1979 and before	0	99,900	3,100	39,500	46,300
1980-1984	0	69,300	5,100	38,400	34,800
1985-1989	800	49,100	25,300	59,800	54,600
1990-1994	14,000	36,500	164,000	79,700	57,800
1995-1999	137,000	68,500	110,000	84,500	36,400
2000-2004	220,000	41,900	12,500	84,800	113,000
2005-2009	432,000	44,800	191,000	61,500	238,000
2010	72,400		110,000		39,900
2011	43,800		72,000		24,800
2012	115,000		109,000		13,300
2013	195,000		96,200		63,000
2014	285,000		76,800		8,100
Michigan	1,515,000	472,000	975,000	470,000	730,000

Apples: Trees by variety and year planted (continued)

Year planted	Northern Spy	Paula Red	Red Delicious	Rome	Sweetango	Other	Michigan
1979 and before	35,900	17,100	109,000	61,400	0	30,600	521,000
1980-1984	28,900	15,600	167,000	48,800	0	32,900	558,000
1985-1989	34,300	6,500	240,000	55,300	0	42,100	811,000
1990-1994	27,900	4,500	177,000	60,000	0	101,000	1,277,000
1995-1999	33,300	10,700	306,000	20,500	0	109,000	1,714,000
2000-2004	16,200	24,500	135,000	8,900	0	45,600	1,108,000
2005-2009	12,700	28,100	67,600	12,100	133,000	75,900	2,025,000
2010			31,400			125,500	595,000
2011			22,900			61,200	446,000
2012			16,600			44,200	518,000
2013			24,800			189,000	944,000
2014			47,700			98,900	783,000
Michigan	192,000	126,000	1,345,000	268,000	241,000	700,000	11,300,000

Apples: Acres and trees by district and variety

Variety	Northwest, Mason-Oceana		Grand Rapids ¹	
	Acres	Trees	Acres	Trees
Braeburn	(C)	(C)	95	49,900
Cortland	65	11,800	135	33,000
Empire	370	58,700	755	165,000
Fuji--early season	40	9,600	90	41,600
Fuji--main season	45	14,000	1,030	562,000
Gala	595	198,000	3,150	1,660,000
Ginger Gold	95	20,500	165	81,100
Golden Delicious	730	116,000	1,380	386,000
Golden Supreme	40	8,500	44	10,300
Honeycrisp	785	354,000	1,600	998,000
Idared	1,370	220,000	805	182,000
Jonagold	665	231,000	1,110	613,000
Jonamac	20	4,400	100	24,200
Jonathan	465	65,000	870	250,000
McIntosh	730	131,000	1,250	516,000
Mutsu	190	26,700	30	5,600
Northern Spy	820	109,000	210	47,000
Paula Red	30	6,000	315	95,700
Red Delicious	730	121,000	2,860	693,000
R I Greening	130	13,500	(C)	(C)
Rome	325	49,800	815	146,000
Sweetango	175	140,000	155	94,100
Winesap	(C)	(C)	(C)	(C)
Other	180	41,000	310	217,000
Total	8,600	1,950,000	17,300	6,875,000

Variety	Southwest, East		Michigan	
	Acres	Trees	Acres	Trees
Braeburn	(C)	(C)	135	58,000
Cortland	100	18,200	300	63,000
Empire	435	91,300	1,560	315,000
Fuji--early season	35	12,800	165	64,000
Fuji--main season	310	133,000	1,385	709,000
Gala	905	352,000	4,650	2,210,000
Ginger Gold	50	12,400	310	114,000
Golden Delicious	1,490	352,000	3,600	854,000
Golden Supreme	61	20,200	145	39,000
Honeycrisp	415	163,000	2,800	1,515,000
Idared	335	70,000	2,510	472,000
Jonagold	385	131,000	2,160	975,000
Jonamac	35	6,400	155	35,000
Jonathan	915	155,000	2,250	470,000
McIntosh	390	83,000	2,370	730,000
Mutsu	150	25,700	370	58,000
Northern Spy	190	36,000	1,220	192,000
Paula Red	165	24,300	510	126,000
Red Delicious	2,100	531,000	5,690	1,345,000
R I Greening	(C)	(C)	140	15,000
Rome	490	72,200	1,630	268,000
Sweetango	10	6,900	340	241,000
Winesap	115	18,100	145	23,000
Other	470	151,000	960	409,000
Total	9,600	2,475,000	35,500	11,300,000

¹ Ionia, Kent, Montcalm, Mecosta, Muskegon, and Newaygo Counties.
(C) Confided for confidentiality.

Apples: Acres by district and year planted

Year planted	Northwest, Mason-Oceana	Grand Rapids ¹	Southwest, East	Michigan
1979 and before	1,250	1,460	1,470	4,180
1980-1984	1,220	1,280	1,190	3,690
1985-1989	1,060	1,900	1,320	4,280
1990-1994	1,160	2,180	1,470	4,810
1995-1999	1,250	2,730	1,570	5,550
2000-2004	795	1,630	945	3,370
2005-2009	870	3,120	930	4,920
2010	195	660	160	1,015
2011	230	470	185	885
2012	220	405	150	775
2013	125	885	105	1,115
2014	225	580	105	910
Total	8,600	17,300	9,600	35,500

¹ Ionia, Kent, Montcalm, Mecosta, Muskegon, and Newaygo Counties.

Apples: Trees by district and year planted

Year planted	Northwest, Mason-Oceana	Grand Rapids ¹	Southwest, East	Michigan
1979 and before	137,000	211,000	173,000	521,000
1980-1984	174,000	211,000	173,000	558,000
1985-1989	188,000	401,000	222,000	811,000
1990-1994	196,000	712,000	369,000	1,277,000
1995-1999	244,000	966,000	504,000	1,714,000
2000-2004	174,000	614,000	320,000	1,108,000
2005-2009	314,000	1,397,000	314,000	2,025,000
2010	89,800	418,000	87,200	595,000
2011	86,000	254,000	106,000	446,000
2012	97,800	343,000	77,200	518,000
2013	81,400	789,000	73,600	944,000
2014	168,000	559,000	56,000	783,000
Total	1,950,000	6,875,000	2,475,000	11,300,000

¹ Ionia, Kent, Montcalm, Mecosta, Muskegon, and Newaygo Counties.

**Apples: Acres and trees planted
by variety, 2010-2014**

Variety	Acres	Trees
Blondee	28	19,700
Crimson Crisp	28	23,400
Empire	26	7,500
Fuji	555	375,500
Gala	1,315	924,000
Ginger Gold	44	17,700
Golden Delicious	45	16,100
Honeycrisp	750	711,200
Idared	155	62,000
Jonagold	735	464,000
Jonathan	65	21,800
McIntosh	215	149,100
Paulared	32	19,000
Pink Lady	88	100,000
Red Delicious	300	143,400
Sweetango	145	108,000
Zestar	29	16,600
Other	145	107,000
Michigan	4,700	3,286,000

Apples: Acres by rootstock and variety

Variety	Seedling	111	106	7 (VII)	26	Mark
Braeburn	0	18	6	24	41	8
Cortland	8	59	57	64	48	8
Empire	22	305	275	410	240	42
Fuji--early season	0	8	2	34	24	0
Fuji--late season	2	85	120	62	160	55
Gala	3	210	575	380	590	97
Ginger Gold	0	40	38	29	42	20
Golden Delicious	160	660	770	740	400	100
Golden Supreme	0	16	39	24	22	0
Honeycrisp	5	145	430	190	385	20
Idared	120	640	570	490	130	3
Jonagold	0	200	225	310	180	95
Jonamac	3	29	33	38	7	12
Jonathan	145	395	465	410	170	52
McIntosh	73	430	330	405	325	42
Mutsu	0	97	81	100	33	3
Northern Spy	62	175	205	315	115	60
Paula Red	28	58	100	115	19	8
Red Delicious	65	0	30	8	2	0
R I Greening	215	1,195	1,400	1,140	965	92
Rome	175	420	325	335	115	20
Sweetango	0	11	66	4	110	1
Winesap	14	34	27	18	2	5
Other	50	120	81	155	75	7
Michigan	1,150	5,350	6,250	5,800	4,200	750
	9 (IX)	Bud 118	Bud 9	Other	Unknown	Michigan
Braeburn	21	2	1	0	14	135
Cortland	19	3	4	3	27	300
Empire	89	5	14	18	140	1,560
Fuji--early season	28	22	29	0	18	165
Fuji--late season	600	4	150	69	78	1,385
Gala	1,700	105	410	200	380	4,650
Ginger Gold	57	1	26	4	53	310
Golden Delicious	300	16	55	29	370	3,600
Golden Supreme	11	0	21	0	12	145
Honeycrisp	890	180	250	115	190	2,800
Idared	120	49	25	73	290	2,510
Jonagold	625	100	155	100	170	2,160
Jonamac	1	0	8	0	24	155
Jonathan	225	5	38	65	280	2,250
McIntosh	415	46	57	47	200	2,370
Mutsu	11	0	1	1	43	370
Northern Spy	20	0	12	16	240	1,220
Paula Red	65	9	29	10	69	510
Red Delicious	0	0	0	0	35	140
R I Greening	130	36	17	45	455	5,690
Rome	46	0	0	19	175	1,630
Sweetango	83	0	30	33	2	340
Winesap	4	0	0	6	35	145
Other	190	17	68	47	150	960
Michigan	5,650	600	1,400	900	3,450	35,500

Apples: Acres and trees by district and rootstock

Rootstock	Northwest, Mason-Oceana		Grand Rapids ¹	
	Acres	Trees	Acres	Trees
Seedling	345	24,000	310	32,000
111	1,890	271,000	1,900	453,000
106	2,390	470,000	1,760	379,000
7 (VII)	1,220	198,000	2,700	628,000
26	650	220,000	2,690	1,040,000
Mark	100	26,000	455	178,000
9 (IX)	265	185,000	4,560	2,895,000
Bud 118	200	157,000	765	483,000
Bud 9	395	104,000	170	66,000
Other	285	157,000	390	283,000
Unknown	860	138,000	1,600	438,000
Total	8,600	1,950,000	17,300	6,875,000

Rootstock	Southwest, East		Michigan	
	Acres	Trees	Acres	Trees
Seedling	495	44,000	1,150	100,000
111	1,560	236,000	5,350	960,000
106	2,100	441,000	6,250	1,290,000
7 (VII)	1,880	324,000	5,800	1,150,000
26	860	290,000	4,200	1,550,000
Mark	195	66,000	750	270,000
9 (IX)	825	490,000	5,650	3,570,000
Bud 118	435	295,000	1,400	935,000
Bud 9	35	15,000	600	185,000
Other	225	55,000	900	495,000
Unknown	990	219,000	3,450	795,000
Total	9,600	2,475,000	35,500	11,300,000

Apples: Number of farms and acres with 500 or more trees per acre by size group

High density size group	High density ¹		Super high density ²		Total	
	Farms	Acres	Farms	Acres	Farms	Acres
Less than 1 acre	40	15	11	5	40	20
1-4.9 acres	47	125	23	65	53	190
5-9.9 acres	28	215	20	165	26	380
10-24.9 acres	34	535	23	355	44	890
25-49.9 acres	26	870	5	180	32	1,050
50 acres or more	32	3,840	11	830	38	4,670
Michigan	207	5,600	93	1,600	233	7,200

¹ 500-999 trees per acre.

² 1,000 or more trees per acre.

Apples: Number of farms and acres with 500 or more trees per acre by district

District	High density ¹		Super high density ²		Total	
	Farms	Acres	Farms	Acres	Farms	Acres
Northwest and Mason-Oceana	47	420	32	310	62	730
Grand Rapids	95	4,030	45	1,110	100	5,140
Southwest and East	65	1,150	16	180	71	1,330
Michigan	207	5,600	93	1,600	233	7,200

¹ 500-999 trees per acre.

² 1,000 or more trees per acre.

Apples: Number of farms and acres by size group

Size group	Farms				Acres			
	2003	2006	2011	2014	2003	2006	2011	2014
1-9 acres	410	415	375	388	1,500	1,500	1,300	1,300
10-29 acres	244	231	189	168	4,200	4,100	3,300	3,000
30-99 acres	236	213	169	171	12,900	12,000	9,400	9,700
100-199 acres	76	62	71	64	10,300	8,400	9,500	9,100
200 or more acres	34	29	36	34	13,600	11,000	13,000	12,400
Michigan	1,000	950	840	825	42,500	37,000	36,500	35,500

Apples: Acres and percent of total by variety

Variety	2003		2006		2011		2014	
	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
Cortland	470	1.1	420	1.1	345	0.9	300	0.8
Empire	2,490	5.9	2,080	5.6	1,730	4.7	1,560	4.4
Fuji (all seasons)	600	1.4	670	1.8	1,240	3.4	1,550	4.4
Gala	2,320	5.5	2,800	7.6	3,950	10.8	4,650	13.1
Ginger Gold	290	0.7	260	0.7	280	0.8	310	0.9
Golden Delicious	5,180	12.2	4,600	12.4	4,100	11.2	3,600	10.1
Honeycrisp	800	1.9	1,350	3.6	2,250	6.2	2,800	7.9
Idared	3,650	8.6	3,050	8.2	2,800	7.7	2,510	7.1
Jonagold	1,150	2.7	1,120	3.0	1,800	4.9	2,160	6.1
Jonathan	4,000	9.4	3,250	8.8	2,600	7.1	2,250	6.3
McIntosh	2,840	6.7	2,230	6.0	2,470	6.8	2,370	6.7
Mutsu	600	1.4	520	1.4	435	1.2	370	1.0
Northern Spy	2,350	5.5	1,900	5.1	1,470	4.0	1,220	3.4
Paula Red	650	1.5	560	1.5	540	1.5	510	1.4
Red Delicious	9,500	22.4	7,700	20.8	6,600	18.1	5,690	16.0
Rome	3,430	8.1	2,650	7.2	1,970	5.4	1,630	4.6
Sweetango	(¹)		(¹)		240	0.7	340	1.0
Other	2,180	5.1	1,840	5.0	1,680	4.6	1,680	4.7
Michigan	42,500	100	37,000	100	36,500	100	35,500	100

¹ Not yet planted or included in other.

Apples: Acres and trees of other varieties grown

Variety	Acres	Trees	Variety	Acres	Trees
Blondee	34	21,100	Ozark Gold	17	2,700
Cameo	56	29,700	Pinata	11	7,900
Crimson Crisp	28	23,000	Pink Lady	89	99,000
Early Gold	79	11,600	Pristine	6	3,400
Elstar	6	1,600	Redfree	24	5,300
Enterprise	2	300	Snow	2	150
Fortune	15	2,300	Snow Sweet	8	2,300
Gold Rush	15	3,700	Spartan	67	16,300
Golden Russet	7	1,600	Transparent	12	1,500
Granny Smith	67	15,000	Vista Bella	3	750
Grimes Golden	3	300	Wagner	5	450
Honey Gold	2	250	Wealthy	16	1,950
Jerseymac	7	1,300	Winter Banana	24	4,900
Jonafree	11	1,400	Wolf River	9	800
Liberty	7	950	Zestar	61	33,900
Lodi	13	1,800	Other	240	109,000
Macoun	6	1,300			
Melrose	5	1,150	Michigan	960	409,000
Mollies Delicious	3	350			

**Apples: Acres and trees of
other rootstocks**

Rootstock	Acres	Trees
Geneva 11	185	176,000
Geneva 16	65	28,500
Geneva 30	265	87,000
Geneva 41	45	52,500
Interstem	155	42,000
Other	185	109,000
Michigan	900	495,000

Blueberries

Blueberries: Number of farms and acres by county and district

County and district	Farms				Acres			
	2003	2006	2011	2014	2003	2006	2011	2014
Northwest	11	12	16	20	25	30	35	45
Muskegon	21	20	21	24	950	1,040	1,100	1,120
Oceana ¹			7	8			630	750
Ottawa	104	103	101	88	5,400	5,550	5,950	5,900
Other counties	27	28	21	24	330	410	420	460
West Central	152	151	150	144	6,680	7,000	8,100	8,230
Allegan	72	70	70	63	2,800	2,800	2,750	2,720
Berrien	63	64	64	54	1,220	1,190	1,070	1,100
Van Buren	187	191	209	203	7,550	7,850	8,500	8,850
Other counties	4	5	6	5	30	30	30	30
Southwest	326	330	349	325	11,600	11,870	12,350	12,700
East	71	82	85	86	395	400	415	425
Michigan	560	575	600	575	18,700	19,300	20,900	21,400

¹ Included in other counties before 2011.

Blueberries: Number of farms and acres by size group

Size group	Farms				Acres			
	2003	2006	2011	2014	2003	2006	2011	2014
1-9 acres	260	280	290	280	1,000	1,050	1,050	1,000
10-29 acres	155	157	168	158	2,500	2,600	2,850	2,700
30-99 acres	104	95	101	96	5,500	4,900	5,600	5,000
100-199 acres	26	29	23	23	3,400	3,950	3,200	3,100
200 or more acres	15	14	18	18	6,300	6,800	8,200	9,600
Michigan	560	575	600	575	18,700	19,300	20,900	21,400

Blueberries: Irrigated and non-irrigated acres by variety

Variety	Not irrigated	Drip (trickle)	Traveling gun	Overhead sprinkler	Other ¹	Michigan
Bluecrop	830	1,050	370	3,230	70	5,550
Elliott	240	820	220	2,570	50	3,900
Jersey	1,680	920	560	2,860	180	6,200
Rubel	350	260	120	610	60	1,400
Other	500	1,300	230	2,130	190	4,350
Michigan	3,600	4,350	1,500	11,400	550	21,400

¹ Includes 280 acres of subterranean, 160 acres of drip & overhead, and 110 acres of other.

Blueberries: Acres by district and variety

Variety	Northwest, West Central, and East	Southwest	Michigan
Aurora	190	140	330
Berkeley	40	55	95
Bluecrop	2,500	3,050	5,550
Bluejay	105	175	280
Blueray	240	140	380
Bluetta	40	105	145
Brigitta	45	30	75
Burlington	35	100	135
Draper	135	215	350
Duke	300	500	800
Earliblue	35	30	65
Elliott	2,250	1,650	3,900
Jersey	1,650	4,550	6,200
Legacy	35	30	65
Liberty	440	220	660
Nelson	65	125	190
Northland	70	75	145
Rancocas	10	100	110
Rubel	300	1,100	1,400
Sensation	25	70	95
Other	190	240	430
Michigan	8,700	12,700	21,400

Blueberries: Acres with irrigation by county and district

County and district	Total acres	Acres with overhead irrigation	Acres with other irrigation	Acres without irrigation
Muskegon	1,120	610	420	90
Oceana	750	715	30	5
Ottawa	5,900	4,290	1,170	440
Other counties	460	235	210	15
West Central	8,230	5,850	1,830	550
Allegan ¹	2,750	1,350	780	620
Berrien	1,100	130	440	530
Van Buren	8,850	3,870	3,230	1,750
Southwest	12,700	5,350	4,450	2,900
East & NW	470	200	120	150
Michigan	21,400	11,400	6,400	3,600

¹ Includes Kalamazoo & Cass.

Blueberries: Acres of other varieties grown

Variety	Acres
Bluegold	36
Bonus	10
Collins	53
Coville	53
Patriot	34
Pemberton	40
Spartan	69
Stanley	31
Toro	18
Weymouth	51
Other	35
Michigan	430

Blueberries: Acres planted by variety, 2010-2014

Variety	Acres
Aurora	185
Bluecrop	270
Bluejay	15
Draper	165
Duke	90
Elliott	470
Jersey	75
Legacy	10
Liberty	340
Nelson	55
Rubel	50
Sensation	95
Others	50
Michigan	1,870

Blueberries: Acres by bushes per acre and year planted

Year planted	870 or less	871-1,088	1,089-1,243	1,244-1,451	1,452 or more	Michigan
1984 and before	2,480	4,100	3,950	320	250	11,100
1985-1989	220	780	870	45	55	1,970
1990-1994	260	490	690	80	60	1,580
1995-1999	110	430	535	60	85	1,220
2000-2004	170	440	375	190	105	1,280
2005-2009	80	540	875	545	340	2,380
2010-2014	80	320	705	460	305	1,870
Michigan	3,400	7,100	8,000	1,700	1,200	21,400

Blueberries: Acres by variety and year planted

Year planted	Aurora	Berkeley	Bluecrop	Bluejay	Blueray	Bluetta	Brigitta	Burlington
1984 and before	0	79	3,030	79	255	95	21	93
1985-1989	0	3	700	105	53	23	6	11
1990-1994	0	9	635	52	35	10	0	17
1995-1999	3	4	260	12	21	5	44	6
2000-2004	2	0	275	4	3	12	2	8
2005-2009	140	0	380	13	9	0	1	0
2010								
2011								
2012								
2013								
2014								
Michigan	330	95	5,550	280	380	145	75	135
	Draper	Duke	Earliblue	Elliott	Jersey	Legacy	Liberty	Nelson
1984 and before	0	92	38	665	5,150	0	0	4
1985-1989	2	39	6	390	490	0	0	3
1990-1994	1	94	10	435	160	0	0	11
1995-1999	7	160	1	450	125	5	23	36
2000-2004	0	120	7	600	120	0	2	38
2005-2009	175	205	3	890	80	50	295	43
2010								
2011								
2012								
2013								
2014								
Michigan	350	800	65	3,900	6,200	65	660	190
	Northland	Rancocas	Rubel	Sensation	Other	Michigan		
1984 and before	64	100	1,060	0	275	11,100		
1985-1989	26	2	76	0	35	1,970		
1990-1994	8	2	84	0	17	1,580		
1995-1999	11	0	34	0	13	1,220		
2000-2004	10	6	58	0	13	1,280		
2005-2009	21	0	38	0	37	2,380		
2010						420		
2011						450		
2012						315		
2013						340		
2014						345		
Michigan	145	110	1,400	95	430	21,400		

Blueberries: Acres and percent of total by variety

Variety	2003		2006		2011		2014	
	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
Aurora	(¹)		70	0.4	180	0.9	330	1.5
Berkeley	145	0.8	135	0.7	110	0.5	95	0.4
Bluecrop	5,230	28	5,350	27.7	5,500	26.3	5,550	25.9
Bluejay	260	1.4	270	1.4	290	1.4	280	1.3
Blueray	430	2.3	440	2.3	445	2.1	380	1.8
Bluetta	170	0.9	165	0.9	155	0.7	145	0.7
Brigitta	65	0.3	70	0.4	70	0.3	75	0.4
Burlington	175	0.9	175	0.9	165	0.8	135	0.6
Draper	(¹)		45	0.2	210	1.0	350	1.6
Duke	420	2.2	560	2.9	720	3.4	800	3.7
Earliblue	75	0.4	80	0.4	80	0.4	65	0.3
Elliott	2,240	12	2,800	14.5	3,700	17.7	3,900	18.2
Jersey	7,090	37.9	6,650	34.5	6,400	30.6	6,200	29.0
Legacy	(¹)		95	0.5	440	2.1	660	3.1
Liberty	(¹)		(¹)		(¹)		65	0.3
Nelson	90	0.5	105	0.5	165	0.8	190	0.9
Northland	135	0.7	140	0.7	155	0.7	145	0.7
Rancocas	150	0.8	145	0.8	135	0.6	110	0.5
Rubel	1,550	8.3	1,520	7.9	1,450	6.9	1,400	6.5
Sensation	(¹)	0.4	(¹)	0.4	(¹)		95	0.4
Other	475	1.8	485	1.8	530	2.5	430	2.0
Michigan	18,700		19,300		20,900		21,400	

1\ Not yet planted or included in other.

Blueberries: Selected irrigation methods ¹

Variety	2003			2006			2011			2014		
	Drip (trickle)	Overhead sprinkler	Total irrigated	Drip (trickle)	Overhead sprinkler	Total irrigated	Drip (trickle)	Overhead sprinkler	Total irrigated	Drip (trickle)	Overhead sprinkler	Total irrigated
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Bluecrop	915	2,070	3,900	865	2,510	4,190	800	3,130	4,500	1,050	3,230	4,720
Elliott	315	1,075	1,790	400	1,680	2,450	640	2,470	3,400	820	2,570	3,660
Jersey	1,095	2,060	4,470	1,040	2,240	4,440	880	2,700	4,400	920	2,860	4,520
Rubel	270	415	1,000	275	520	1,100	200	610	1,040	260	610	1,050
Other	405	980	1,940	520	1,500	2,570	730	2,090	3,210	1,300	2,130	3,850
Michigan	3,000	6,600	13,100	3,100	8,450	14,750	3,250	11,000	16,550	4,350	11,400	17,800

¹ Some acres have more than one type of irrigation.

Brambles

Brambles: Number of farms and acres by county and district

County and district	Farms				Acres			
	2003	2006	2011	2014	2003	2006	2011	2014
Northwest	30	28	28	26	60	55	45	40
West Central	25	24	22	20	40	45	50	40
Berrien	37	35	34	29	180	140	160	135
Other counties	16	13	18	15	30	20	25	25
Southwest	53	48	52	44	210	160	185	160
East	82	95	93	85	240	240	220	160
Michigan	190	195	195	175	550	500	500	400

Brambles: Number of farms and acres by size group

Size group	Farms				Acres			
	2003	2006	2011	2014	2003	2006	2011	2014
1-4 acres	163	169	172	157	250	250	250	210
5 acres or more	27	26	23	18	300	250	250	190
Michigan	190	195	195	175	550	500	500	400

Brambles: Acres by variety and year planted

Year planted	Bristol	Canby	Caroline	Heritage	Jewel	Nova	Other	Michigan
1999 and before	8	14	2	30	10	0	36	100
2000-2004	3	7	3	14	10	8	35	80
2005-2009	2	6	13	10	6	12	71	120
2010-2014	11	0	6	5	4	6	68	100
Michigan	24	27	24	59	30	26	210	400

Brambles: Acres of other varieties grown

Variety	Acres	Variety	Acres
Anne	3	Lauren	4
Autumn Bliss	13	Octavia	2
Autumn Britten	7	Polana	17
Boyne	8	Prelude	19
Chester	14	Reveille	2
Encore	8	Thornfree	4
Himbo-top	6	Titan	14
Jaclyn	4	Triple Crown	5
Joan J	5	Other	50
K-81-6	10		
Killarney	10	Michigan	210
Latham	5		

Cranberries

Cranberries: Number of farms by district

District	Farms
Northwest, West Central	4
Southwest	3
Michigan	7

Cranberries: Acres by year planted

Year	Acres
1999 and before	190
2000--2004	25
2005--2009	20
2010--2014	75
Michigan	310

Cranberries: Acres by variety

Variety	Acres
Ben Lear	10
Bergman	8
Grygleski 1	55
La Monyon	39
Pilgrim	92
Stevens	98
Other	8
Michigan	310

Grapes

Grapes: Number of farms and acres by county and district

County and district	Farms				Acres			
	2003	2006	2011	2014	2003	2006	2011	2014
Grand Traverse	34	42	54	60	395	530	700	810
Leelanau	26	33	39	48	325	480	680	740
Other counties	7	10	17	24	20	30	70	80
Northwest	67	85	110	132	740	1,040	1,450	1,630
Berrien	230	207	180	140	7,500	7,580	7,570	7,030
Van Buren	102	99	94	75	5,000	5,000	4,700	3,800
Other counties	26	20	14	14	950	950	980	970
Southwest	358	326	288	229	13,450	13,530	13,250	11,800
West Central and East	40	49	57	69	210	230	300	270
Michigan	465	460	455	430	14,400	14,800	15,000	13,700

Grapes: Number of farms and acres by size group

Size group	Farms				Acres			
	2003	2006	2011	2014	2003	2006	2011	2014
1-9 acres	200	200	215	225	850	850	850	800
10-29 acres	150	142	132	105	2,550	2,500	2,250	1,800
30-99 acres	82	85	75	70	4,100	4,300	3,800	3,600
100 acres or more	33	33	33	30	6,900	7,150	8,100	7,500
Michigan	465	460	455	430	14,400	14,800	15,000	13,700

Grapes: Acres by variety and year planted

Year planted	Cabernet Franc	Cabernet Sauvignon	Concord	Chardonnay	Gewurtz-traminer	Merlot	Niagara	Pinot Gris	Pinot Noir	Riesling	Vignoles	Other	Michigan
1984 and before	0	0	6,450	4	0	4	760	0	1	24	22	115	7,380
1985-1989	0	0	260	13	0	0	410	10	10	29	24	34	790
1990-1994	12	3	265	82	5	11	345	19	22	46	10	70	890
1995-1999	36	10	575	40	12	20	975	48	27	150	2	105	2,000
2000-2004	50	9	335	29	14	30	305	34	71	94	9	160	1,140
2005-2009	49	13	43	35	33	31	35	88	100	255	8	215	905
2010	2	0	12	5	5	5	0	13	3	30	1	44	120
2011	5	0	14	2	1	4	0	7	3	10	2	77	125
2012	10	32	15	8	1	10	0	2	4	17	2	39	140
2013	1	1	20	6	3	2	0	8	4	13	0	37	95
2014	5	2	41	6	1	3	0	1	0	2	0	54	115
Michigan	170	70	8,030	230	75	120	2,830	230	245	670	80	950	13,700

Grapes: Acres and vines by principal use

Principal use	Acres	Vines
Juice	10,550	5,885,000
Table	300	245,000
Wine	2,850	2,590,000
Michigan	13,700	8,720,000

Grapes: Acres by district and variety

Variety	Northwest, West Central, and East	Southwest	Michigan
Cabernet Franc	110	60	170
Cabernet Sauvignon	15	55	70
Chardonnay	190	40	230
Concord	30	8,000	8,030
Gewurtztraminer	65	10	75
Merlot	75	45	120
Niagara	10	2,820	2,830
Pinot Gris	175	55	230
Pinot Noir	215	30	245
Riesling	560	110	670
Vignoles	45	35	80
Other	410	540	950
Michigan	1,900	11,800	13,700

Grapes: Acres of other varieties grown

Variety	Acres	Variety	Acres
Aurore	5	Lemberger	18
Auxerrois	7	Leon Millot	6
Baco Noir	12	Marquette	27
Cayuga White	26	Muscat (Vinifera)	8
Chambourcin	63	Pinot Blanc	31
Chancellor	46	Regent	8
Chardonel	28	Seyval	42
De Chaunac	28	Sauvignon Blanc	65
Dornfelder	11	Syrah	22
Foch	56	Traminette	55
Fredonia	5	Valiant	6
Frontenac	16	Vidal Blanc	135
Frontenac Gris	15	Viognier	6
Gamay Noir	21	Zweigelt	10
Gruener Veltliner	18	Others	140
Himrod	6		
La Crescent	8	MICHIGAN	950

Grapes: Acres and percent of total by variety or category

Variety or category	2003		2006		2011		2014	
	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
Concord	9,530	66.2	9,350	63.2	9,000	60.0	8,030	58.6
Niagara	3,450	24.0	3,520	23.8	3,450	23.0	2,830	20.7
Hybrids	550	3.8	625	4.2	680	4.5	760	5.5
Vinifera	840	5.8	1,270	8.6	1,820	12.1	2,040	14.9
Other natives	30	0.2	35	0.2	50	0.3	40	0.3
Michigan	14,400		14,800		15,000		13,700	

Nectarines

Nectarines: Number of farms and acres by district

District	Farms				Acres			
	2003	2006	2011	2014	2003	2006	2011	2014
Northwest	4	4	7	6	5	7	8	6
West Central	10	11	13	13	15	15	13	10
Southwest	40	37	37	27	75	63	54	40
East	8	10	8	6	5	5	5	4
Michigan	62	62	65	52	100	90	80	60

Nectarines: Acres and trees by year planted

Year planted	Acres	Trees
1999 and earlier	16	2,200
2000-2004	14	2,300
2005-2009	13	3,400
2010-2014	17	3,600
Michigan	60	11,500

Nectarines: Acres and trees by variety

Variety	Acres	Trees
Eastern Glo	3	650
Fantasia	22	4,300
Hardired	2	250
PF 11	4	1,000
Red Gold	6	1,300
Summer Beauty	2	300
Other	21	3,700
Michigan	60	11,500

Peaches

Peaches: Number of farms and acres by county and district

County and district	Farms				Acres			
	2003	2006	2011	2014	2003	2006	2011	2014
Antrim		13	8	6		40	30	30
Leelanau	14	20	15	18	70	35	30	30
Manistee	15	13	11	8	90	60	40	40
Other counties	36	23	16	14	70	45	45	30
Northwest	65	69	50	46	230	180	145	130
Kent	19	18	15	14	120	130	90	60
Mason	15	12	7	6	390	180	140	110
Muskegon	10	7	8	6	120	100	140	110
Newaygo	6	6	6	6	100	100	50	45
Oceana	70	67	51	45	1,900	1,630	1,220	980
Ottawa	15	13	11	14	130	125	105	105
Other counties	9	7	6	7	40	35	35	40
West Central	144	130	104	98	2,800	2,300	1,780	1,450
Allegan	27	26	22	19	380	275	270	250
Berrien	122	111	96	80	1,700	1,570	1,450	1,200
Van Buren	32	27	22	21	320	230	150	110
Other counties	10	7	8	11	50	25	30	40
Southwest	191	171	148	131	2,450	2,100	1,900	1,600
East	70	70	58	55	220	220	175	120
Michigan	470	440	360	330	5,700	4,800	4,000	3,300

Peaches: Acres and trees planted by variety, 2010-2014

Variety	Acres	Trees
Allstar	13	2,000
Autumnstar	15	2,400
Baby Gold 5	45	7,200
Blazingstar	6	1,000
Catherina	58	9,000
Canadian Harmony	8	1,200
Coralstar	28	6,200
Cresthaven	9	1,200
Desiree	7	1,900
Earlystar	6	900
Glohaven	8	1,350
Glowingstar	15	2,950
John Boy	11	3,000
PF 8-Ball	11	1,900
PF 9A-007	10	1,600
PF 19A	11	1,700
PF Lucky 13	11	2,000
Redhaven	62	13,600
Redstar	9	1,300
Starfire	33	5,600
Summer Serenade	7	1,300
Venture	89	16,100
Vinegold	22	5,800
Virgil	6	1,400
Other	120	23,200
Michigan	620	115,800

Peaches: Acres by variety and year planted

Year planted	Allstar	Baby Gold-5	Bellaire	Canadian Harmony	Catherina	Coralstar	Glohaven
1994 and before	6	26	3	15	0	7	17
1995-1999	19	92	11	20	0	8	10
2000-2004	17	89	12	9	34	23	7
2005-2009	26	58	15	9	68	8	5
2010							
2011							
2012							
2013							
2014							
Michigan	81	310	44	61	160	74	47
	Glowingstar	Goldnine	PF-17	PF-23	PF-24-007	PF-27A	PF-Lucky-13
1994 and before	4	28	8	9	5	11	0
1995-1999	20	47	52	45	23	33	0
2000-2004	16	140	15	24	5	2	11
2005-2009	28	10	12	38	15	10	33
2010							
2011							
2012							
2013							
2014							
Michigan	83	225	95	125	50	59	55
	Redhaven	Starfire	Venture	Vinegold	Virgil	Other	Michigan
1994 and before	79	4	0	0	0	78	300
1995-1999	125	13	2	0	0	170	690
2000-2004	96	26	18	140	21	195	900
2005-2009	78	21	91	33	52	180	790
2010							110
2011							110
2012							90
2013							170
2014							140
Michigan	440	97	200	195	79	820	3,300

Peaches: Trees by variety and year planted

Year planted	Allstar	Baby Gold-5	Bellaire	Canadian Harmony	Catherina	Coralstar	Glohaven
1994 and before	750	4,100	350	2,000	0	1,600	2,200
1995-1999	3,900	8,100	1,500	3,500	0	1,200	1,200
2000-2004	2,700	18,900	3,900	1,400	5,100	3,500	850
2005-2009	5,800	1,400	3,700	1,400	11,500	1,500	600
2010							
2011							
2012							
2013							
2014							
Michigan	16,100	32,500	10,000	9,500	25,600	14,000	6,200
	Glowingstar	Goldnine	PF-17	PF-23	PF-24-007	PF-27A	PF-Lucky-13
1994 and before	900	1,600	1,200	2,600	1,400	2,700	0
1995-1999	7,000	1,100	12,800	11,500	5,500	8,600	0
2000-2004	46,300	3,800	6,200	6,000	900	350	3,200
2005-2009	8,700	900	2,700	7,900	1,900	1,600	7,300
2010							
2011							
2012							
2013							
2014							
Michigan	63,500	7,900	24,200	29,500	10,100	13,800	12,500
	Redhaven	Starfire	Venture	Vinegold	Virgil	Other	Michigan
1994 and before	11,400	700	0	0	0	12,100	47,200
1995-1999	20,800	2,100	500	0	0	31,000	128,000
2000-2004	15,500	4,700	3,200	24,900	3,200	35,600	158,000
2005-2009	16,200	3,700	16,000	5,800	8,800	38,200	151,000
2010							22,200
2011							19,300
2012							17,200
2013							32,200
2014							24,900
Michigan	77,500	16,800	35,800	36,500	13,400	154,000	600,000

Peaches: Acres by variety and type

Variety and type	2003	2006	2011	2014
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Allstar	55	69	74	81
Autumnstar	(¹)	8	42	35
Bellaire	115	89	68	44
Biscoe	10	8	6	(¹)
Blazingstar	14	15	23	21
Blushingstar	15	15	16	13
Brightstar	(¹)	(¹)	13	14
Canadian Harmony	150	110	88	61
Candor	8	3	2	2
Coralstar	87	80	100	74
Cresthaven	85	62	30	22
Desiree	(¹)	(¹)	(¹)	7
Earllystar	(¹)	(¹)	11	13
Encore	10	9	5	5
Fayette	61	43	20	16
Garnet Beauty	28	14	10	7
Glohaven	105	78	51	47
Glowingstar	74	67	88	83
Harbelle	3	5	(¹)	(¹)
Harbrite	18	15	11	8
Harcrest	12	7	4	2
Harrow Beauty	10	8	5	(¹)
Harrow Diamond	19	9	8	7
Jayhaven	17	12	4	2
Jersey Dawn	20	9	2	(¹)
Jersey Glo	5	3	2	(¹)
Jim Dandee	50	38	14	6
John Boy	40	38	39	40
Loring	105	110	51	19
Newhaven	90	35	13	9
PF-1	56	48	44	26
PF-5B	23	17	21	21
PF-7	14	10	15	8
PF-8-BALL	(¹)	(¹)	6	17
PF-9A-007	(¹)	(¹)	8	13
PF-12A	110	85	54	25
PF-Lucky 13	(¹)	15	51	55
PF-14 NJ	21	17	22	32
PF-15A	80	67	46	32
PF-17	160	145	125	95
PF-19A	13	2	13	20
PF-20-007	7	7	6	(¹)
PF-23	150	135	150	125
PF-24-007	46	44	46	50
PF-24C	(¹)	(¹)	(¹)	7
PF-25	11	21	28	26
PF-27A	54	63	54	59
PF-Other	42	40	35	39
Redhaven	1,130	880	650	440
Redkist	30	21	10	6
Redskin	145	84	44	23
Redstar	26	32	36	38
Reliance	4	4	2	(¹)
Risingstar	32	36	28	17
Saturn	(¹)	(¹)	3	6
Starfire	40	66	79	97
Summer Serenade	21	21	37	23
Suncrest	13	10	6	(¹)
Sweethaven	14	6	(¹)	(¹)
Sweet Sue	9	6	2	(¹)
Other	213	189	159	182
Melting flesh total ²	3,670	3,030	2,580	2,120

See footnote(s) at end of table.

--continued

Peaches: Acres by variety and type (continued)

Variety and type	2003	2006	2011	2014
	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Baby Gold-5	1,040	745	450	310
Baby Gold-7	10	35	15	11
Catherina	(¹)	65	125	160
Goldnine	890	645	425	225
Venture	(¹)	64	145	200
Vinegold	87	155	175	195
Virgil	(¹)	61	85	79
Other	3			
Non-melting flesh total ²	2,030	1,770	1,420	1,180
Michigan	5,700	4,800	4,000	3,300

¹ Not yet grown, no longer grown, or included in other.

² Melting flesh types are generally used for fresh market and non-melting types for processing.

Peaches: Acres and trees by district and variety

Variety	Northwest and West Central		Southwest and East		Michigan	
	Acres	Trees	Acres	Trees	Acres	Trees
Allstar	16	4,000	65	11,000	81	15,000
Baby Gold-5	275	41,700	35	5,300	310	47,000
Bellaire	19	6,100	25	3,900	44	10,000
Canadian Harmony	13	2,000	48	7,500	61	9,500
Catherina	155	24,600	5	1,000	160	25,600
Coralstar	23	3,500	51	10,500	74	14,000
Glohaven	11	1,400	36	4,800	47	6,200
Glowingstar	6	1,100	77	15,000	83	16,100
Goldnine	215	30,900	10	1,600	225	32,500
PF-17	13	4,000	82	20,200	95	24,200
PF-23	28	6,300	97	23,200	125	29,500
PF-24-007	3	500	47	9,600	50	10,100
PF-27A	3	500	56	13,300	59	13,800
PF-Lucky-13	11	2,000	44	10,500	55	12,500
Redhaven	190	37,000	250	40,500	440	77,500
Starfire	4	700	93	16,100	97	16,800
Venture	185	32,600	15	3,200	200	35,800
Vinegold	195	36,500	0	0	195	36,500
Virgil	75	12,600	4	800	79	13,400
Other	140	29,000	680	125,000	820	154,000
Michigan	1,580	277,000	1,720	323,000	3,300	600,000

Peaches: Number of farms and acres by size group

Size group	Farms				Acres			
	2003	2006	2011	2014	2003	2006	2011	2014
1-9 acres	319	305	235	237	1,050	950	700	650
10-49 acres	128	115	109	77	2,750	2,300	2,250	1,450
50+ acres	23	20	16	16	1,900	1,550	1,050	1,200
Michigan	470	440	360	330	5,700	4,800	4,000	3,300

Pears

Pears: Number of farms and acres by county and district

County and district	Farms				Acres			
	2003	2006	2011	2014	2003	2006	2011	2014
Antrim	7	9	7	6	45	35	35	35
Grand Traverse	7	6	6	4	45	55	55	55
Leelanau	8	10	9	8	45	45	40	40
Other counties	10	9	10	7	25	20	20	20
Northwest	32	34	32	25	160	155	150	150
Mason	9	10	8	8	100	85	65	60
Oceana	15	13	13	12	270	250	250	235
Other counties	15	16	16	16	50	50	35	35
West Central	39	39	37	36	420	385	350	330
Allegan	14	13	11	11	75	50	50	45
Berrien	27	27	28	30	70	55	50	55
Van Buren	12	14	10	8	85	70	65	60
Other counties	5	5	4	4	5	5	5	5
Southwest	58	59	53	53	235	180	170	165
East	66	78	63	61	85	80	60	55
Michigan	195	210	185	175	900	800	730	700

Pears: Number of farms and acres by size group

Size group	Farms				Acres			
	2003	2006	2011	2014	2003	2006	2011	2014
1-4 acres	148	167	151	144	220	200	185	185
5-9 acres	22	21	14	12	150	140	95	85
10-19 acres	19	16	12	13	270	190	140	165
20 acres or more	6	6	8	6	260	270	310	265
Michigan	195	210	185	175	900	800	730	700

Pears: Acres and variety by year planted

Year planted	Bartlett	Other	Michigan
1989 and before	465	40	505
1990-1999	48	27	75
2000-2009	54	41	95
2010-2014	13	12	25
Michigan	580	120	700

Pears: Trees and variety by year planted

Year planted	Bartlett	Other	Michigan
1989 and before	54,000	4,700	58,700
1990-1999	6,100	4,500	10,600
2000-2009	7,800	6,100	13,900
2010-2014	2,100	1,700	3,800
Michigan	70,000	17,000	87,000

Pears: Acres and trees of other varieties grown

Variety	Acres	Trees
Asian	13	2,800
Bosc	38	4,800
Clapp's	7	1,000
D'Anjou	6	1,000
Red Sensation	3	500
Other	53	6,900
Michigan	120	17,000

Pears: Acres and trees by district and variety

Variety	Northwest		West Central		Southwest and East		Michigan	
	Acres	Trees	Acres	Trees	Acres	Trees	Acres	Trees
Bartlett	115	13,000	310	40,000	155	17,000	580	70,000
Other	35	5,500	20	2,800	65	8,700	120	17,000
Total	150	18,500	330	42,800	220	25,700	700	87,000

Plums

Plums: Number of farms and acres by county and district

County and district	Farms				Acres			
	2003	2006	2011	2014	2003	2006	2011	2014
Grand Traverse	9	8	8	5	65	65	50	40
Leelanau	23	22	18	13	190	160	110	70
Other counties	8	12	12	10	35	55	50	50
Northwest	40	42	38	28	290	280	210	160
Kent	(¹)	6	8	7	(¹)	55	55	55
Oceana	13	11	9	11	115	85	75	60
Other counties	25	18	16	16	150	70	65	65
West Central	38	35	33	34	265	210	195	180
Berrien	36	40	29	31	110	80	55	50
Van Buren	18	17	11	8	150	110	90	60
Other counties	12	12	8	10	50	40	30	30
Southwest	66	69	48	49	310	230	175	140
East	36	39	31	24	35	30	20	20
Michigan	180	185	150	135	900	750	600	500

¹ Included in other counties

Plums: Number of farms and acres by size group

Size group	Farms				Acres			
	2003	2006	2011	2014	2003	2006	2011	2014
1-4 acres	124	134	113	104	190	170	130	140
5-9 acres	25	25	16	19	160	160	110	130
10-19 acres	22	19	15	7	300	240	210	100
20 acres or more	9	7	6	5	250	180	150	130
Michigan	180	185	150	135	900	750	600	500

Plums: Acres by variety and year planted

Year planted	Stanley	Other	Michigan
1994 and before	80	30	110
1995-1999	65	70	135
2000-2004	28	87	115
2005-2009	43	47	90
2010			32
2011			13
2012			1
2013			3
2014			1
Michigan	220	280	500

Plums: Trees by variety and year planted

Year planted	Stanley	Other	Michigan
1994 and before	9,700	3,300	13,000
1995-1999	9,000	9,000	18,000
2000-2004	4,500	13,500	18,000
2005-2009	6,700	9,300	16,000
2010			7,100
2011			2,000
2012			150
2013			550
2014			200
Michigan	30,500	44,500	75,000

Plums: Acres and trees of other varieties grown

Variety	Acres	Trees
Bluefre	9	850
Castleton	44	10,000
Damson	57	7,000
Early Golden	2	200
Italian	5	600
Methley	2	250
NY 6	16	2,100
NY 9	65	10,100
Ozark Premier	3	450
Red Heart	2	250
Shiro	10	1,600
Toka/Bubblegum	2	400
Other	63	10,700
Michigan	280	44,500

Plums: Acres and trees by district and variety

Variety	Northwest		West Central		Southwest and East		Michigan	
	Acres	Trees	Acres	Trees	Acres	Trees	Acres	Trees
Stanley	80	10,500	50	7,800	90	12,200	220	30,500
Other	80	10,000	130	25,200	70	9,300	280	44,500
Total	160	20,500	180	33,000	160	21,500	500	75,000

Strawberries

Strawberries: Number of farms and acres by county and district

County and district	Farms				Acres			
	2003	2006	2011	2014	2003	2006	2011	2014
Kent	7	8	6	8	50	50	45	40
Manistee	5	8	7	6	60	55	60	50
Other counties	42	46	35	34	180	165	120	120
Northwest and West Central	54	62	48	48	290	270	225	210
Berrien	18	17	21	18	105	70	80	75
Van Buren	10	7	9	10	90	60	55	60
Other counties	7	7	5	5	65	50	45	35
Southwest	35	31	35	33	260	180	180	170
Houghton	9	7	7	6	25	25	25	25
Macomb	(¹)	(¹)	5	5	(¹)	(¹)	20	25
Other counties	82	100	80	88	475	475	310	350
East	91	107	92	99	500	500	355	400
Michigan	180	200	175	180	1,050	950	760	780

¹ Included in other counties.

Strawberries: Number of farms and acres by size group

Size group	Farms				Acres			
	2003	2006	2011	2014	2003	2006	2011	2014
1-4 acres	101	134	118	125	210	275	210	210
5-9 acres	47	42	38	30	310	280	250	200
10 acres or more	32	24	19	25	530	395	300	370
Michigan	180	200	175	180	1,050	950	760	780

Strawberries: Acres by variety and year planted

Year planted	AC Wendy	Allstar	Cavendish	Earliglow	Honeoye	Jewel	Other	Michigan
2010 and before	18	33	4	13	16	68	38	190
2011	6	16	2	7	10	47	32	120
2012	11	9	7	5	6	44	38	120
2013	13	13	9	17	11	64	43	170
2014	16	9	20	18	6	77	34	180
Michigan	64	80	42	60	49	300	185	780

Strawberries: Acres by district and variety

Variety	Northwest, West Central, Southwest	East	Michigan
AC Wendy	33	31	64
Allstar	53	27	80
Cavendish	2	40	42
Earliglow	16	44	60
Honeoye	21	28	49
Jewel	185	115	300
Other	70	115	185
Michigan	380	400	780

Strawberries: Acres of other varieties grown

Variety	Acres	Variety	Acres
AC Valley Sunset	11	Sonata	3
Cabot	15	Sparkle	5
Daroyal	20	Winona	9
Darselect	31	Other	68
L'Amour	8		
Northeaster	9	Michigan	185
Ovation	6		

Cherries, sweet

Cherries, sweet: Number of farms and acres by county and district

County and district	Farms				Acres			
	2003	2006	2011	2014	2003	2006	2011	2014
Antrim	32	30	27	26	840	730	680	740
Benzie, Charlevoix	28	21	21	19	360	300	260	250
Grand Traverse	92	83	67	55	1,900	1,500	1,450	1,400
Leelanau	133	118	107	108	4,150	3,500	3,450	3,500
Manistee	17	11	9	9	250	170	160	160
Northwest	302	263	231	217	7,500	6,200	6,000	6,050
Mason	18	15	10	8	520	410	360	360
Oceana	33	32	27	23	500	450	350	300
Other counties	39	35	34	34	130	140	190	200
West Central	90	82	71	65	1,150	1,000	900	860
Berrien	60	51	38	44	180	160	180	180
Van Buren	23	16	16	10	65	40	30	20
Other counties	10	12	10	10	25	20	25	25
Southwest	93	79	64	64	270	220	235	225
East	45	46	34	34	80	80	65	65
Michigan	530	470	400	380	9,000	7,500	7,200	7,200

Cherries, sweet: Number of farms and acres by size group

Size group	Farms				Acres			
	2003	2006	2011	2014	2003	2006	2011	2014
1-9 acres	300	255	215	200	850	750	700	650
10-29 acres	140	134	111	105	2,600	2,350	1,900	1,850
30-99 acres	80	77	66	64	3,950	3,800	3,200	3,100
100 acres or more	10	4	8	11	1,600	600	1,400	1,600
Michigan	530	470	400	380	9,000	7,500	7,200	7,200

Cherries, sweet: Acres and trees by district and variety

Variety	Northwest		West Central, Southwest, and East		Michigan	
	Acres	Trees	Acres	Trees	Acres	Trees
Cavalier	120	14,400	65	12,600	185	27,000
Emperor Francis	1,310	133,000	80	10,000	1,390	143,000
Gold	1,470	149,000	250	27,000	1,720	176,000
Hedelfingen	210	21,300	110	13,500	320	34,800
Napoleon	695	70,700	20	2,200	715	72,900
Rainier	80	8,500	50	7,100	130	15,600
Regina	35	9,900	80	29,000	115	38,900
Sam	545	58,500	100	16,500	645	75,000
Schmidt	235	22,700	35	5,100	270	27,800
Ulster	910	97,000	110	18,000	1,020	115,000
Other	440	60,000	250	64,000	690	124,000
Michigan	6,050	645,000	1,150	205,000	7,200	850,000

Cherries, sweet: Acres by variety and year planted ¹

Year planted	Cavalier	Emperor Francis	Gold	Hedelfingen	Napoleon	Rainier
1984 and before	48	390	480	135	280	23
1985-1989	30	225	370	44	100	47
1990-1994	27	190	185	51	92	15
1995-1999	7	285	380	54	120	22
2000-2004	34	99	93	12	40	8
2005-2009	18	100	83	11	44	11
2010						
2011						
2012						
2013						
2014						
Michigan	185	1,390	1,720	320	715	130
	Regina	Sam	Schmidt	Ulster	Other	Michigan
1984 and before	0	62	105	105	72	1,700
1985-1989	0	105	41	185	23	1,170
1990-1994	0	71	31	130	58	850
1995-1999	5	245	41	235	96	1,490
2000-2004	9	35	22	155	28	535
2005-2009	43	66	24	110	170	680
2010						195
2011						175
2012						190
2013						140
2014						75
Michigan	115	645	270	1,020	690	7,200

¹ Acres may not add exactly to totals due to rounding.

**Cherries, sweet: Acres and trees planted
2010-2014 by variety**

Variety	Acres	Trees
Emperor Francis	101	12,200
Gold	129	15,600
Napoleon	39	4,400
Hedelfingen	13	1,900
Sam	61	7,300
Ulster	100	11,100
Cavalier	21	3,700
Kristen	13	1,700
Attika	30	14,600
Regina	58	23,000
Black Gold	33	5,900
Anderson	42	4,900
Benton	15	6,800
Others	120	24,200
Michigan	775	137,300

Cherries, sweet: Trees by variety and year planted ¹

Year planted	Cavalier	Emperor Francis	Gold	Hedelfingen	Napoleon	Rainier
1984 and before	5,100	36,100	45,000	12,700	24,400	2,400
1985-1989	3,200	23,400	36,500	4,300	10,300	4,600
1990-1994	2,800	20,100	19,200	5,100	10,200	1,700
1995-1999	800	30,700	41,000	7,800	13,800	2,900
2000-2004	7,400	9,700	9,800	1,500	4,300	1,200
2005-2009	4,000	10,800	8,900	1,500	5,500	1,900
2010						
2011						
2012						
2013						
2014						
Michigan	27,000	143,000	176,000	34,800	72,900	15,600
	Regina	Sam	Schmidt	Ulster	Other	Michigan
1984 and before	0	6,200	10,100	10,700	6,300	159,000
1985-1989	0	11,100	3,000	17,800	2,800	117,000
1990-1994	0	7,800	2,800	13,400	5,900	89,000
1995-1999	700	29,100	4,600	27,300	13,300	172,000
2000-2004	2,100	4,100	3,100	19,900	5,600	68,700
2005-2009	13,100	9,400	3,400	14,800	33,700	107,000
2010						42,500
2011						29,600
2012						30,300
2013						21,400
2014						13,500
Michigan	38,900	75,000	27,800	115,000	124,000	850,000

¹ Trees may not add exactly to totals due to rounding.

Cherries, sweet: Acres of other varieties grown

Variety	Acres	Trees
Anderson	57	6,550
Attika	59	18,700
Benton	17	7,450
Bing	8	700
Black Gold	83	15,200
Black Pearl	9	2,400
Black York	20	2,350
Blushing Gold	23	2,450
Burgundy Pearl	16	6,600
Ebony Pearl	12	3,550
Hardy Giant	13	1,150
Hartland	9	2,150
Hudson	11	1,350
Kristen	58	8,200
Lapin	10	1,800
Nelson	38	3,350
Royalton	11	2,300
Somerset	16	2,300
Stella	6	650
Summit	16	4,350
Sweetheart	7	1,000
Van	62	7,950
Vista	14	1,250
White Gold	10	1,500
Windsor	15	1,350
Other	90	17,400
Michigan	690	124,000

Cherries, sweet: Acres and trees by rootstock

Variety	Acres	Trees
Mahaleb	2,800	290,000
Mazzard	2,850	285,000
M x M2	200	21,000
M x M60	840	100,000
Gisela 5	150	38,000
Gisela 6	270	93,000
Gisela 12	45	16,500
Other	45	6,500
Michigan	7,200	850,000

Cherries, sweet: Acres and percent of total by variety

Variety	2003		2006		2011		2014	
	Acres	Percent	Acres	Percent	Acres	Percent	Acres	Percent
Black Gold			6	0.1	50	0.7	83	1.2
Cavalier	230	2.6	190	2.5	205	2.8	185	2.6
Emperor Francis	1,850	20.6	1,530	20.4	1,460	20.3	1,390	19.3
Gold	2,540	28.2	2,100	28.0	1,810	25.1	1,720	23.9
Hedelfingen	595	6.6	495	6.6	390	5.4	320	4.4
Napoleon	1,085	12.1	795	10.6	725	10.1	715	9.9
Rainier	265	2.9	205	2.7	165	2.3	130	1.8
Regina			5	0.1	58	0.8	115	1.6
Sam	575	6.4	575	7.7	620	8.6	645	9.0
Schmidt	465	5.2	400	5.3	325	4.5	270	3.8
Ulster	780	8.7	710	9.5	890	12.4	1,020	14.2
Other	615	6.8	489	6.5	502	7.0	607	8.4
Michigan	9,000		7,500		7,200		7,200	

Cherries, tart

Cherries, tart: Number of farms and acres by county and district

County and district	Farms				Acres			
	2003	2006	2011	2014	2003	2011	2011	2014
Antrim, Charlevoix	38	40	34	34	2,650	2,800	3,400	3,500
Benzie	21	21	22	21	1,400	1,400	1,500	1,500
Grand Traverse	92	81	76	65	4,250	4,200	4,100	4,000
Leelanau	131	124	110	113	8,450	8,150	8,100	8,200
Manistee	23	18	13	12	850	800	800	800
Northwest	305	284	255	245	17,600	17,350	17,900	18,000
Kent	12	10	8	9	340	320	230	230
Mason	22	17	10	9	1,900	1,770	1,850	1,750
Muskegon	6				190			
Newaygo	8				190			
Oceana	67	65	62	58	8,000	8,000	8,100	8,400
Other counties	11	14	10	10	80	260	220	220
West Central	126	106	90	86	10,700	10,350	10,400	10,600
Allegan	8	6			290	200		
Berrien	70	66	52	45	1,650	1,750	1,550	1,550
Van Buren	39	30	22	16	1,500	1,850	1,750	1,800
Other counties	10	9	9	8	200	450	550	500
Southwest	127	111	83	69	3,640	4,250	3,850	3,850
East	42	39	27	25	60	50	50	50
Michigan	600	540	455	425	32,000	32,000	32,200	32,500

Cherries, tart: Number of farms and acres by size group

Size group	Farms				Acres			
	2003	2006	2011	2014	2003	2006	2011	2014
1-9 acres	170	140	105	100	650	530	500	350
10-29 acres	175	155	118	100	3,200	2,720	2,200	1,950
30-99 acres	170	159	150	142	9,150	8,850	8,500	8,200
100-199 acres	54	56	56	50	7,500	7,700	8,000	6,900
200 acres or more	31	30	26	33	11,500	12,200	13,000	15,100
Michigan	600	540	455	425	32,000	32,000	32,200	32,500

Cherries, tart: Acres and trees by district and variety

Variety	Northwest		West Central		Southwest and East		Michigan	
	Acres	Trees	Acres	Trees	Acres	Trees	Acres	Trees
Balaton	650	75,000	160	19,000	40	5,000	850	99,000
Montmorency	17,200	2,013,000	10,150	1,138,000	3,850	434,000	31,200	3,585,000
Other	150	17,000	290	28,000	10	1,000	450	46,000
Michigan	18,000	2,105,000	10,600	1,185,000	3,900	440,000	32,500	3,730,000

Cherries, tart: Acres by district and year planted ¹

Year planted	Northwest	West Central	Southwest and East	Michigan
1985 & before	4,760	1,520	140	6,420
1986	450	175	30	655
1987	335	195	10	540
1988	375	165	0	540
1989	250	190	5	445
1990	310	230	65	605
1991	310	350	35	695
1992	330	115	95	540
1993	315	325	70	710
1994	475	345	200	1,020
1995	485	265	45	795
1996	375	180	165	720
1997	240	160	60	460
1998	360	115	115	590
1999	500	210	100	810
2000	705	230	140	1,075
2001	520	300	85	905
2002	505	250	225	980
2003	730	290	240	1,260
2004	735	455	405	1,595
2005	650	535	390	1,575
2006	795	625	210	1,630
2007	620	450	140	1,210
2008	550	355	445	1,350
2009	435	345	60	840
2010	345	355	50	750
2011	340	270	225	835
2012	380	605	75	1,060
2013	390	560	30	980
2014	430	435	45	910
Michigan	18,000	10,600	3,900	32,500

¹ Acres may not add exactly to totals due to rounding.

Cherries, tart: Trees by district and year planted ¹

Year planted	Northwest	West Central	Southwest and East	Michigan
1985 & before	527,000	169,000	15,300	711,300
1986	49,500	19,800	3,200	72,500
1987	38,000	20,800	1,200	60,000
1988	42,300	17,400	0	59,700
1989	29,200	21,300	600	51,100
1990	36,000	22,900	7,900	66,800
1991	34,000	34,500	3,900	72,400
1992	39,800	13,700	10,700	64,200
1993	38,200	38,000	7,700	83,900
1994	56,900	38,300	22,900	118,100
1995	56,100	30,600	5,000	91,700
1996	41,300	20,200	19,000	80,500
1997	27,000	16,700	6,600	50,300
1998	43,600	12,700	13,100	69,400
1999	59,900	24,700	11,100	95,700
2000	81,700	28,100	16,000	125,800
2001	62,200	36,300	9,500	108,000
2002	59,400	27,400	24,800	111,600
2003	85,600	33,200	28,200	147,000
2004	85,600	45,800	44,000	175,400
2005	78,400	61,700	42,300	182,400
2006	94,700	69,800	25,600	190,100
2007	71,200	50,300	15,400	136,900
2008	69,000	40,600	48,000	157,600
2009	52,000	37,700	6,800	96,500
2010	42,300	38,400	5,900	86,600
2011	41,000	29,900	28,200	99,100
2012	53,000	69,800	8,600	131,400
2013	54,700	62,800	3,300	120,800
2014	55,400	52,600	5,200	113,200
Michigan	2,105,000	1,185,000	440,000	3,730,000

¹ Trees may not add exactly to totals due to rounding.

Cherries, tart: Acres by year planted and variety

Year planted	Balaton	Montmorency	Other	Total
2011 & before	845	28,300	405	29,550
2012 - 2014	5	2,900	45	2,950
Michigan	850	31,200	450	32,500

**Cherries, tart: Acres
by rootstock**

Rootstock	Acres
Mahaleb	29,400
Mazzard	2,350
M X M2	150
M X M60	480
Other	120
Michigan	32,500

Michigan Fruit Inventory – 2015

USDA, NASS, Michigan Field Office
 P.O. Box 30239
 Lansing, MI 48909-9983
 Telephone: (517) 324-5300
 Facsimile: (855) 270-2709
 E-mail: nassrfoglr@nass.usda.gov



Project Code 923
 January, 2015

Michigan's fruit industry needs updated information for planning, marketing, and production forecasting. The last inventory was conducted in 2006. Response to this survey is voluntary and not required by law; however, your voluntary cooperation in reporting about the fruit acreage you operated in 2014 is needed. Your report is strictly confidential. Thank you for your help.

Please make corrections to name, address, and Zip Code if necessary.

To avoid duplication, indicate below any farm name or partner(s) associated with this operation *not* included in the above address.

If you receive more than one of these forms, please complete one, mark any other "duplicate," and mail in all forms.

If not growing fruit, check reason below and give new fruit operator's name, if applicable.

1. Farm sold.
2. Retired from farming.
3. Entire farm rented to others.
4. Farming, but not growing fruit.
5. Never farmed.

Farm Name: _____

New Operator Name: _____

Partners' Names: _____

Address: _____

City: _____ Zip: _____

Phone: _____

Report for all land you operate (Include land you rent from others, but exclude land you rent to others).

List the total acres in your operation, for each fruit grown.

Crop	Total Acreage
Apples	001
Tart Cherries	101
Sweet Cherries	151
Peaches	401
Blueberries	901
Grapes	301

Crop	Total Acreage
Nectarines	851
Pears	601
Plums	501
Brambles	701
Strawberries	751
Cranberries	801

******* Please read instructions on next page before proceeding. *******

INSTRUCTIONS

Please report only for acreage of fruit you operate: **Include** land rented from others. **Exclude** land rented to others.

If you participated in the 2011 Fruit Inventory, you will find enclosed a printout of the blocks you reported in 2011. Space has been left on these printouts for you to update the information. Check all “other” varieties on the block record and update them. Your updated copy of the 2011 printout should be returned with this questionnaire in which you should report on new blocks acquired or planted since 2011. You may use the printout as a reference only and list all of your blocks in questionnaire. All of your fruit blocks must be accounted for between the updated printout and the questionnaire. Note: No previously reported strawberry data are on printouts.

If you did not receive a printout from the 2011 survey, complete a line in the questionnaire for each block in your operation. Use the name or number that you use to identify each block. Each block should have its own distinctive name or number. List the county, township, and section (if known) where the block is located. Include all bearing and non-bearing blocks. **Exclude** neglected blocks. Enter the appropriate variety and rootstock codes on the lines and complete the remaining cells for each variety in the block. Round acreage to the nearest tenth of an acre. **See examples below.**

Example for Apples

Use code if given. If not write in variety name.

Block (Name or number)	County (Name)	Township (Name)	Section	Variety (Code or name)	Rootstock code	Year Planted	Trees (Number)	Acres	Spacing
Home Farm	Kent	Alpine	1	023	6	2012	2400	5•0	6 x 15
Jones Place	Kent	Alpine	3	Red Delicious	5	2013	530	4•0	16 x 20
Jones Place	Kent	Alpine	3	012	5	2013	125	1•0	16 x 20

Example for Cherries

Use code if given. If not write in variety name.

Block (Name or number)	County (Name)	Township (Name)	Section	Variety (Code or name)	Rootstock	Year planted	Trees (Number)	Acres	Spacing
Home	Leelanau	Leland		Ulster	2	1994	2,400	22•0	20 x 20
Home	Leelanau	Leland		163	2	1991	600	6•0	20 x 22
North Forty	Leelanau	Bingham		111	1	2005	660	5•5	18 x 20

Fruit Planting and Removal Intentions for 2015 - 2019

Do you plan to make any changes to your fruit acreage in the next five years? Yes Continue No Go to next page Unknown Go to next page

Please record the acres of each type of fruit and variety you plan to remove and to plant over the next five years. If you have intentions to remove or plant but do not know the variety, you may leave that column blank. If you are unsure exactly which year you will plant or remove acreage, please estimate.

Fruit Species	Variety	Year	Acres to be planted	Acres to be removed
		2015		
		2015		
		2015		
		2015		
		2015		
		2015		
		2015		
		2016		
		2016		
		2016		
		2016		
		2016		
		2016		
		2017 - 2019		
		2017 - 2019		
		2017 - 2019		
		2017 - 2019		

Fruit Species	Variety	Year	Acres to be planted	Acres to be removed
		2015		
		2015		
		2015		
		2015		
		2015		
		2015		
		2015		
		2016		
		2016		
		2016		
		2016		
		2016		
		2016		
		2017 - 2019		
		2017 - 2019		
		2017 - 2019		
		2017 - 2019		

1. Did this operation have any paid workers, including paid family members, in 2014? (Check one)

Yes (Continue)

No (Go to question 5)

2. Record the number of workers in each category below. W-2 is the Wage and Tax Statement required by IRS. (If an employee did both agricultural and non-agricultural work, such as packing, retailing, or office work, record in the category in which the majority of the worker's time was spent.)

	Permanent <i>(121 days or more per year)</i>	Seasonal <i>(120 days or less per year)</i>
AGRICULTURAL W-2 WORKERS		
Full time (30 hours or more per week)	201	202
Part-time (29 hours or less per week)	203	204
NON-AGRICULTURAL W-2 WORKERS		
Full time (30 hours or more per week)	205	206
Part-time (29 hours or less per week)	207	208
CONTRACT (Non W-2) WORKERS		
Full time (30 hours or more per week)	209	210
Part-time (29 hours or less per week)	211	212
TOTAL PAID WORKERS	213	214

3. Of the total paid workers listed in question 2 above, how many were migrant workers? (*Migrant workers are seasonal farm workers who have to travel to do farm work and are unable to return to their permanent residence the same day.*) If none, go to question 5.

215

(Number)

4. Of these migrant workers;

a. How many have you employed in previous years?

216

b. For how many did you provide housing?

217

5. If you had a labor shortage in 2014, record the additional number of workers in each category that you would have hired had they been available. If none, go to question 8.

	Permanent <i>(121 days or more per year)</i>	Seasonal <i>(120 days or less per year)</i>
AGRICULTURAL W-2 WORKERS		
Full time (30 hours or more per week)	218	219
Part-time (29 hours or less per week)	220	221
NON-AGRICULTURAL W-2 WORKERS		
Full time (30 hours or more per week)	222	223
Part-time (29 hours or less per week)	224	225
CONTRACT (Non W-2) WORKERS		
Full time (30 hours or more per week)	226	227
Part-time (29 hours or less per week)	228	229
TOTAL PAID WORKERS	230	231

6. What were the total estimated lost sales from not having these additional workers?

232

(Dollars)

7. In which months did you need these additional workers? *(Check all that apply)*

JAN	233	APR	236	JUL	239	OCT	242
FEB	234	MAY	237	AUG	240	NOV	243
MAR	235	JUN	238	SEP	241	DEC	244

8. Which sources do you use to hire new or more employees? (Check all that apply)

Local Labor Force Recruiting / Want Ads.....	<input type="text" value="245"/>	Employment Agency.....	<input type="text" value="248"/>
Michigan Works! Ag Employment Specialists...	<input type="text" value="246"/>	Temporary Service Company.....	<input type="text" value="249"/>
H-2A Temporary Agricultural Worker.....	<input type="text" value="247"/>	Other (specify): _____	<input type="text" value="250"/>

9. For **seasonal** workers only, record the minimum and average hourly wage paid in 2013 and 2014.

	2013	2014
Minimum Wage.....	251 \$. _ _	252 \$. _ _
Average Wage	253 \$. _ _	254 \$. _ _

Office Use

104

Reported by: _____ Telephone: _____ Date: _____

Response		Respondent		Mode		Enum.	Eval.	Office Use for POID	
1-Comp 2-R 3-Inac 4-Office Hold 5-R-Est 6-Inac-Est 7-Off Hold - Est 8-Known Zero	9901	1-Op/Mgr 2-Sp 3-Acct/Bkpr 4-Partner 9-Oth	9902	1-Mail 2-Tel 3-Face-to-Face 4-CATI 5-Web 6-e-mail 7-Fax 8-CAPI 19-Other	9903	098	100	789	
								Optional Use	
								407	408
S/E Name									