

Horticulture

Michigan placed third nationally in value of wholesale sales of floriculture products in 2006. Only California and Florida reported larger sales than Michigan. Reports from Michigan's 659 commercial growers (\$10,000 or more in gross sales) showed an estimated wholesale value of \$379 million for all surveyed floriculture crops, down 1.7 percent from last year's revised figure. This estimate includes summarized sales data as reported by growers with \$100,000 or more in sales plus a calculated wholesale value of sales for operations with sales from \$10,000 to \$99,999.

The leading crop category breakdowns for Michigan operations with more than \$100,000 in sales were:

First, annual bedding/garden plants with \$193 million in sales.

Second, propagative materials with \$82 million in sales.

Third, herbaceous perennial plants with \$46 million in sales.

Fourth, potted flowering plants with \$31 million in sales.

Michigan led the nation in value of sales for 12 floriculture crops:

- Impatiens (flats) with 2.2 million flats sold, valued at \$15.5 million.
- Begonia Hanging Baskets with 473,000 baskets sold, valued at \$2.7 million.
- Geranium Hanging Baskets (cuttings) with 721,000 baskets sold, valued at \$4.8 million.
- Impatiens Hanging Baskets with 648,000 baskets sold, valued at \$3.4 million.
- New Guinea Impatiens Hanging Baskets with 719,000 baskets sold, valued at \$4.7 million.
- Petunias Hanging Baskets with 746,000 baskets sold, valued at \$4.4 million.

- Other Flowering Hanging Baskets with 2.2 million baskets sold, valued at \$13.7 million.
- Potted Geraniums (cuttings) with 4.3 million pots sold, valued at \$10.8 million.
- Potted Geraniums (seed) with 19.7 million pots sold, valued at \$15.5 million.
- Potted New Guinea Impatiens with 4.3 million pots sold, valued at \$6.3 million.
- Potted Petunias with 2.2 million pots sold, valued at \$4.8 million.
- Potted Easter Lilies with 1.2 million pots sold, valued at \$4.5 million.

Michigan crops that ranked second in value of sales nationally were:

- Begonias (flats) with 1.1 million flats sold, valued at \$8.2 million.
- Geraniums (cuttings) with 183,000 flats sold, valued at \$1.4 million.
- Marigolds (flats) with 760,000 flats sold, valued at \$5.5 million.
- Petunias (flats) with 1.6 million flats sold, valued at \$11.8 million.
- Geranium (seed) Hanging Baskets with 69,000 baskets sold, valued at \$407,000.
- Pansy/Viola Hanging Baskets with 112,000 baskets sold, valued at \$517,000.
- New Guinea Impatiens (flats) with 70,000 flats sold, valued at \$716,000.

Floriculture crops: Number of growers by gross value of sales, 2002-2006

Year	\$10,000-\$19,999	\$20,000-\$39,000	\$40,000-\$49,000	\$50,000-\$99,999	\$100,000-\$499,999	\$500,000 or more	Total growers
	Number	Number	Number	Number	Number	Number	Number
2002	60	121	65	187	234	124	791
2003	58	96	47	188	220	134	743
2004	49	89	46	182	216	139	721
2005	46	94	41	173	203	140	697
2006	53	76	42	152	194	142	659

Floriculture crops: Growing area by type of cover, 2002-2006

Year	Glass greenhouses	Fiberglass and other rigid greenhouses	Plastic film greenhouses	Total greenhouse cover	Shade and temporary cover	Total covered area	Open ground
	1,000 square feet	1,000 square feet	1,000 square feet	1,000 square feet	1,000 square feet	1,000 square feet	Acres
2002	4,653	3,884	36,501	45,038	1,370	46,408	3,831
2003	4,657	4,191	37,424	46,272	1,569	47,841	3,237
2004	4,549	4,616	38,692	47,857	1,353	49,210	4,687
2005	4,327	4,614	36,937	45,878	1,183	47,061	4,958
2006	4,138	6,055	36,841	47,034	1,161	48,195	3,620

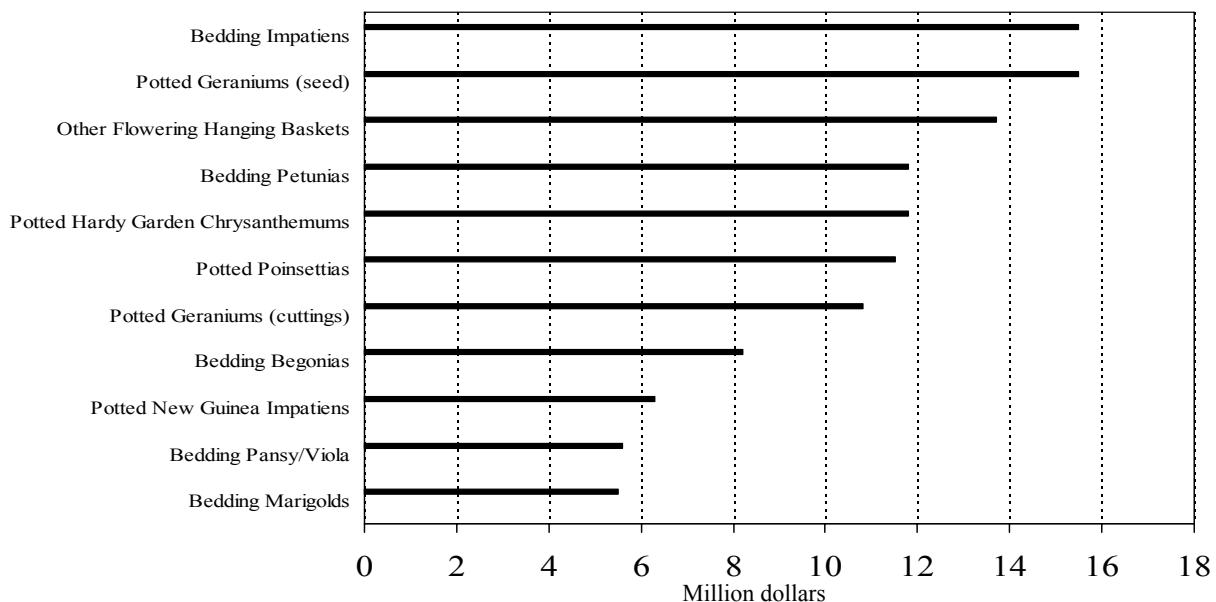
Floriculture crops: Wholesale value of sales by category, 2002-2006

Year	Total cut flowers	Total potted flowering plants	Total foliage for indoor or patio use	Total bedding/garden plants	Total wholesale value of reported crops	Expanded wholesale value of reported crops ¹
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
2002	8,299	30,736	3,699	217,773	306,271	326,778
2003	8,797	32,400	3,375	230,322	322,980	342,190
2004	8,711	32,074	4,152	238,508	365,897	384,655
2005	9,240	33,979	4,453	237,125	367,416	385,402
2006	6,643	30,750	4,837	238,831	363,158	378,893

¹ Wholesale value of sales as reported by growers with \$100,000 or more in sales of floriculture crops plus a calculated wholesale value of sales for growers with sales below \$100,000. The value of sales for growers below the \$100,000 level was estimated by multiplying the number of growers in each size group by the midpoint of each dollar range.

Selected Floriculture Crops, 2006

Value of Sales



Bedding plants: Producers, quantity sold, price, and value, 2002-2006

Item	Producers	Quantity sold	Percent of sales at wholesale	Wholesale price	Value of sales at wholesale
					Number 1,000 flats Percent Dollars 1,000 dollars
Begonias					
2002	217	1,008	81	7.13	7,187
2003	227	1,026	82	6.66	6,833
2004	232	1,114	81	7.12	7,932
2005	225	1,350	86	7.18	9,693
2006	222	1,080	83	7.55	8,154
Geraniums from cuttings					
2002	21	76	33	12.55	954
2003	18	57	20	11.37	648
2004	16	67	33	15.24	1,021
2005	(¹)	(¹)	(¹)	(¹)	(¹)
2006	11	183	73	7.91	1,448
Geraniums from seed					
2002	47	105	89	10.56	1,109
2003	40	83	77	10.86	901
2004	32	73	74	11.41	833
2005	35	60	83	11.32	679
2006	32	51	86	11.55	589
Impatiens					
2002	224	2,372	88	7.40	17,553
2003	238	2,383	86	6.85	16,324
2004	235	2,302	86	7.01	16,137
2005	221	2,063	85	7.41	15,287
2006	228	2,152	86	7.18	15,451
Marigolds					
2002	219	731	90	7.39	5,402
2003	231	823	87	6.77	5,572
2004	234	814	87	7.08	5,763
2005	227	772	84	7.34	5,666
2006	229	760	85	7.30	5,548
New Guinea Impatiens					
2002	41	103	73	9.89	1,019
2003	28	137	80	7.86	1,077
2004	21	65	49	10.01	651
2005	23	78	84	10.67	832
2006	20	70	86	10.23	716
Pansies/Violas					
2002	208	821	91	7.34	6,026
2003	216	920	91	6.57	6,044
2004	218	882	91	6.77	5,971
2005	206	804	88	7.03	5,652
2006	204	823	87	6.76	5,563
Petunias					
2002	252	1,430	87	7.42	10,611
2003	252	1,641	85	6.85	11,241
2004	256	1,644	86	7.05	11,590
2005	248	1,557	85	7.41	11,537
2006	242	1,590	86	7.45	11,846
Other flowering and foliar					
2002	241	3,768	86	7.45	28,072
2003	244	4,403	85	6.85	30,161
2004	246	3,917	85	7.26	28,437
2005	242	3,673	85	7.67	28,172
2006	234	3,984	88	7.57	30,159
Vegetables ²					
2002	186	585	83	7.12	4,165
2003	181	506	78	6.93	3,507
2004	186	569	80	7.33	4,171
2005	182	630	74	8.16	5,141
2006	190	648	73	8.06	5,223

¹ Not published to avoid disclosure of individual operations.

² Does not include vegetable transplants grown for commercial use.

Hanging baskets: Producers, quantity sold, price, and value, 2002-2006

Item	Producers	Quantity sold	Percent of sales at wholesale	Wholesale price	Value of sales at wholesale
					Number 1,000 baskets Percent Dollars 1,000 dollars
Begonias					
2002	148	350	83	5.84	2,044
2003	165	348	87	5.94	2,067
2004	165	394	86	5.78	2,277
2005	169	435	86	5.63	2,449
2006	166	473	88	5.62	2,658
Geraniums from cuttings					
2002	211	546	82	6.79	3,707
2003	222	826	84	6.53	5,394
2004	212	784	83	6.56	5,143
2005	213	717	81	6.69	4,797
2006	208	721	81	6.69	4,823
Geraniums from seed					
2002	28	53	91	6.54	347
2003	27	47	91	6.30	296
2004	25	59	95	5.75	339
2005	29	68	97	6.19	421
2006	21	69	97	5.90	407
Impatiens					
2002	180	453	88	5.43	2,460
2003	200	496	84	5.28	2,619
2004	198	472	82	5.23	2,469
2005	200	551	86	5.09	2,805
2006	189	648	89	5.30	3,434
Marigolds					
2002	(¹)	(¹)	(¹)	(¹)	(¹)
2003	(¹)	(¹)	(¹)	(¹)	(¹)
2004	(¹)	(¹)	(¹)	(¹)	(¹)
2005	3	2	100	4.98	10
2006	6	13	100	3.45	45
New Guinea Impatiens					
2002	224	766	89	6.83	5,232
2003	224	770	87	6.75	5,198
2004	221	813	90	6.37	5,179
2005	218	804	90	6.22	5,001
2006	215	719	91	6.55	4,709
Pansies/Violas					
2002	33	51	93	5.54	283
2003	36	49	89	5.52	270
2004	30	46	86	5.24	241
2005	35	85	95	4.80	408
2006	38	112	92	4.62	517
Petunias					
2002	170	346	87	5.66	1,958
2003	196	469	85	5.80	2,720
2004	197	517	86	5.25	2,714
2005	193	545	83	5.49	2,992
2006	188	746	90	5.90	4,401
Other flowering					
2002	191	1,595	88	6.22	9,921
2003	197	1,780	86	5.91	10,520
2004	208	1,968	83	6.10	12,005
2005	204	2,098	84	6.05	12,693
2006	196	2,173	87	6.29	13,668
Foliage					
2002	58	323	95	5.02	1,621
2003	61	213	92	4.81	1,025
2004	65	430	93	4.42	1,901
2005	62	273	91	4.81	1,313
2006	68	354	90	4.49	1,589

¹ Not published to avoid disclosure of individual operations.

Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2002-2006

Item	Producers	Quantity sold			Percent of sales at wholesale	Wholesale price		Value of sales at wholesale
		Less than 5 inch pots	5 inch pots or larger	Total		Less than 5 inch pots	5 inch pots or larger	
	Number	1,000 pots	1,000 pots	1,000 pots	Percent	Dollars	Dollars	1,000 dollars
Azaleas								
2002	28	(¹)	94	94	87	(¹)	7.29	685
2003	23	(¹)	89	89	85	(¹)	7.50	667
2004	24	(¹)	93	93	87	(¹)	7.82	727
2005	20	(¹)	68	68	87	(¹)	7.60	517
2006	22	(¹)	78	78	89	(¹)	7.23	564
Begonias								
2002	72	459	54	513	80	1.08	3.60	690
2003	87	563	145	708	90	1.51	2.55	1,220
2004	96	637	213	850	88	1.05	2.48	1,197
2005	92	545	119	664	89	1.11	3.40	1,010
2006	93	433	86	519	84	1.07	4.23	827
Chrysanthemums, florist								
2002	37	104	511	615	97	1.69	3.00	1,709
2003	31	49	465	514	98	1.62	2.61	1,293
2004	32	35	204	239	75	1.64	3.99	871
2005	24	28	262	290	89	1.71	5.99	1,617
2006	28	38	143	181	81	1.54	4.24	665
Chrysanthemums, hardy garden								
2002	127	227	3,611	3,838	94	1.29	1.69	6,395
2003	124	370	4,461	4,831	94	1.69	1.70	8,209
2004	134	929	4,746	5,675	95	1.50	2.02	10,980
2005	144	558	5,114	5,672	95	1.00	2.09	11,246
2006	138	613	5,008	5,621	94	1.06	2.22	11,768
Easter Lilies								
2002	48	146	1,282	1,428	97	2.75	3.52	4,914
2003	43	(¹)	1,296	1,296	97	(¹)	3.58	4,633
2004	38	91	1,290	1,381	97	1.72	3.66	4,878
2005	39	(¹)	1,267	1,267	98	(¹)	3.62	4,580
2006	43	(¹)	1,170	1,170	97	(¹)	3.88	4,543
Geraniums from cuttings								
2002	215	4,152	1,211	5,363	77	1.40	2.47	8,804
2003	223	3,574	1,333	4,907	69	1.73	3.30	10,582
2004	231	3,739	1,448	5,187	70	1.74	3.60	11,719
2005	212	3,644	1,263	4,907	69	1.79	4.10	11,701
2006	223	3,120	1,212	4,332	65	1.83	4.18	10,776
Geraniums from seed								
2002	98	16,156	10	16,166	98	0.81	3.46	13,121
2003	111	13,528	(¹)	13,528	97	0.85	(¹)	11,472
2004	109	16,726	(¹)	16,726	98	0.81	(¹)	13,565
2005	100	15,792	79	15,871	98	0.78	4.89	12,704
2006	103	19,597	53	19,650	99	0.78	3.70	15,482
Impatiens								
2002	46	309	123	432	95	0.96	1.85	524
2003	52	408	176	584	96	1.41	1.98	924
2004	63	732	353	1,085	94	0.91	2.03	1,383
2005	69	554	111	665	95	0.84	3.10	809
2006	58	506	112	618	94	0.79	4.35	887
Marigolds								
2002	14	71	22	93	98	0.84	1.93	102
2003	19	59	60	119	97	0.77	1.63	143
2004	28	113	171	284	98	0.85	1.84	411
2005	24	113	82	195	97	0.76	1.63	220
2006	16	(¹)	182	182	97	(¹)	2.04	372
New Guinea Impatiens								
2002	174	3,535	230	3,765	95	1.23	3.27	5,100
2003	179	3,845	357	4,202	92	1.28	3.90	6,314
2004	199	3,642	343	3,985	94	1.27	3.64	5,874
2005	182	4,255	532	4,787	95	1.25	2.94	6,883
2006	183	4,052	287	4,339	93	1.24	4.53	6,325

See footnote(s) at end of table.

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Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2002-2006 (continued)

Item	Producers	Quantity sold			Percent of sales at wholesale	Wholesale price		Value of sales at wholesale
		Less than 5 inch pots	5 inch pots or larger	Total		Less than 5 inch pots	5 inch pots or larger	
	Number	1,000 pots	1,000 pots	1,000 pots	Percent	Dollars	Dollars	1,000 dollars
Pansies/Violas								
2002	31	576	141	717	98	0.68	2.59	757
2003	45	220	417	637	97	0.82	1.97	1,002
2004	50	873	235	1,108	98	0.46	2.17	912
2005	59	901	313	1,214	98	0.44	2.82	1,279
2006	46	1,682	(¹)	1,682	98	1.10	(¹)	1,845
Petunias								
2002	62	461	312	773	94	0.85	2.44	1,153
2003	76	619	803	1,422	92	1.49	1.99	2,520
2004	98	1,113	1,240	2,353	92	1.25	2.46	4,442
2005	91	1,142	1,325	2,467	93	0.89	2.70	4,594
2006	93	1,153	1,089	2,242	90	1.34	2.95	4,758
Poinsettias								
2002	93	915	2,847	3,762	90	1.60	4.12	13,194
2003	84	958	2,770	3,728	90	1.65	4.21	13,242
2004	86	841	2,696	3,537	93	1.83	4.18	12,808
2005	86	656	2,485	3,141	91	1.89	4.15	11,553
2006	81	540	2,311	2,851	91	1.99	4.52	11,520
Roses, florist								
2002	10	87	(¹)	87	95	3.59	(¹)	312
2003	9	(¹)	64	64	94	(¹)	3.61	231
2004	6	79	(¹)	79	96	3.20	(¹)	253
2005	13	(¹)	54	54	88	(¹)	3.86	209
2006	18	77	(¹)	77	93	3.87	(¹)	298
Flowering bulbs								
2002	49	666	1,467	2,133	99	1.52	3.29	5,839
2003	40	901	1,398	2,299	99	2.07	3.32	6,506
2004	41	751	1,531	2,282	98	1.46	3.21	6,011
2005	40	6,921	(¹)	6,921	100	1.25	(¹)	8,679
2006	44	653	1,395	2,048	99	1.40	3.56	5,880
Other flowering plants								
2002	60	977	455	1,432	87	1.58	4.31	3,505
2003	54	1,554	801	2,355	89	1.18	3.87	4,934
2004	58	1,500	468	1,968	84	1.80	4.21	4,670
2005	47	1,124	411	1,535	84	1.46	4.18	3,359
2006	55	992	563	1,555	70	1.31	4.67	3,929
Other flowering and foliar type bedding plants								
2002	125	10,294	2,805	13,099	95	1.07	3.12	19,766
2003	137	12,733	4,296	17,029	92	1.38	3.10	30,889
2004	147	16,780	3,068	19,848	91	1.01	3.21	26,796
2005	137	12,738	3,216	15,954	89	1.17	3.26	25,388
2006	149	15,057	3,341	18,398	89	1.15	3.56	29,210
Vegetable type ²								
2002	73	1,066	164	1,230	93	0.69	2.16	1,090
2003	91	1,241	206	1,447	85	0.79	2.10	1,413
2004	93	3,129	343	3,472	94	0.54	1.97	2,365
2005	96	5,448	267	5,715	98	0.59	2.66	3,925
2006	90	2,999	392	3,391	94	0.53	3.65	3,020

¹ Pot sizes have been combined into category with greatest production to avoid disclosure of individual operations.

² Does not include vegetable transplants grown for commercial use.

Herbaceous perennials: Producers, quantity sold, price, and value, 2002-2006

Item	Producers	Quantity sold				Percent of sales at wholesale	Wholesale price			Value of All sales at wholesale
		Less than 1 gallon	1 to 2 gallon	2 gallon and larger	Total		Less than 1 gallon	1 to 2 gallon	2 gallon and larger	
	<i>Number</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Hosta										
2002	115	936	907	47	1,890	92	2.50	3.68	6.22	5,970
2003	126	825	1,020	69	1,914	90	2.49	3.64	5.85	6,171
2004	124	676	711	94	1,481	88	2.01	3.58	5.26	4,399
2005	121	431	605	112	1,148	86	1.53	3.38	6.37	3,418
2006	114	448	554	69	1,071	85	1.66	3.30	7.08	3,060
Other										
2002	142	22,281	6,382	302	28,965	95	1.00	3.43	6.83	46,234
2003	153	15,220	5,377	356	20,953	92	1.11	3.53	6.12	38,054
2004	147	9,780	6,824	741	17,345	90	1.40	3.42	6.15	41,587
2005	147	13,964	5,916	306	20,186	92	1.09	3.54	9.11	38,951
2006	142	8,158	6,660	307	15,125	88	0.97	3.16	7.11	31,142