

Horticulture

Michigan placed fourth nationally in value of wholesale sales of floriculture products in 2001. Only California, Florida, and Texas reported larger sales than Michigan. Reports from Michigan's 708 commercial growers (\$10,000 or more in gross sales) showed an estimated wholesale value of \$270.1 million for all surveyed floriculture crops, down 1 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 \$144 million in sales.
- Second, herbaceous perennial plants with \$45 million in sales.
- Third, potted flowering plants with \$30 million in sales.
- Fourth propagative materials with \$22 million in sales.

Michigan leads the nation in value of sales for 11 floriculture crops:

- Potted Geraniums (seed) with 15.5 million pots sold, valued at \$12.1 million.
- Potted Hosta with 1.7 million pots sold, valued at \$5 million.
- New Guinea Impatiens Hanging Baskets with 586,000 baskets sold, valued at \$3.8 million.
- Geranium Hanging Baskets (cuttings) with 417,000 baskets sold, valued at \$2.8 million.
- Impatiens Hanging Baskets with 376,000 baskets sold, valued at \$2.1 million
- Geranium from Seed (flats) with 207,000 flats sold, valued at \$1.7 million.
- Begonia Hanging Baskets with 278,000 baskets sold, valued at \$1.7 million.

- Geranium from Vegetative Cuttings (flats) with 260,000 flats sold, valued at \$1.4 million.
- New Guinea Impatiens Flats with 115,000 flats sold, valued at \$1.1 million.
- Geranium Hanging Baskets (seed) with 101,000 baskets sold, valued at \$588,000.
- Marigold Hanging Baskets with 4,000 baskets sold, valued at \$22,000.

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

- Impatiens (flats) with 2.3 million flats sold, valued at \$16.5 million
- Petunias (flats) with 1.5 million flats sold, valued at \$10.4 million
- Potted Geraniums (cuttings) with 4.7 million pots sold, valued at \$9.0 million
- Begonias (flats) with 1 million flats sold, valued at \$7.2 million.
- Marigold (flats) with 794,000 flats sold, valued at \$5.8 million.
- New Guinea Impatiens Pots with 3.1 million pots sold, valued at \$4.3 million.
- Pansy/Viola Hanging Baskets with 33,000 baskets sold, valued at \$184,000.

Total covered area for all operations in the state decreased less than 1 percent to 42.2 million square feet. This includes both rigid and film plastic greenhouses, glass greenhouses, shade, and temporary cover. Only California, Florida, and Texas have more total cover.

Floriculture crops: Number of growers by gross value of sales, 1997-2001

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
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1997	76	105	52	127	255	135	750
1998	77	111	45	139	263	111	746
1999	78	82	49	190	222	117	738
2000	74	89	44	170	239	131	747
2001	57	83	47	161	239	121	708

Floriculture crops: Growing area by type of cover, 1997-2001

Year	Glass greenhouses	Fiberglass and other rigid greenhouses	Plastic film greenhouses	Total greenhouse cover	Shade and temporary cover	Total covered area	Open ground
	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>Acres</i>
1997	4,420	3,467	29,791	37,678	665	38,343	2,414
1998	4,515	3,643	33,174	41,332	836	42,168	2,298
1999	4,487	3,736	31,585	39,808	949	40,757	2,205
2000	4,441	4,096	32,665	41,202	1,106	42,308	3,299
2001	4,694	3,876	32,443	41,013	1,141	42,154	3,235

Floriculture crops: Wholesale value of sales by category, 1997-2001

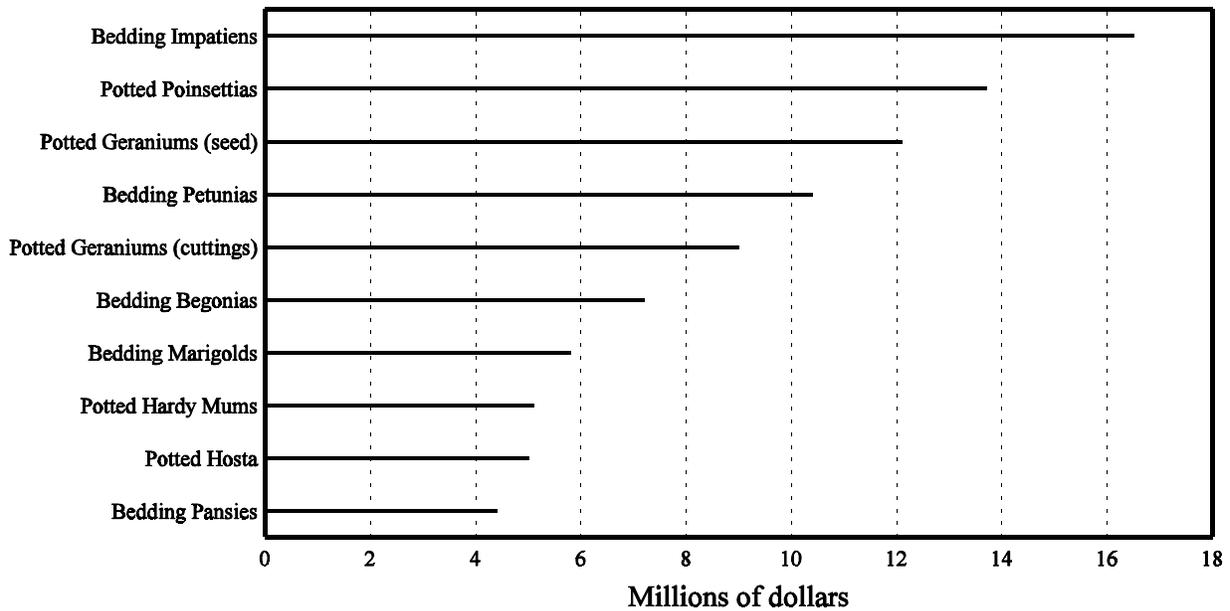
Year	Total cut flowers	Total potted flowering plants	Total foliage for indoor or patio use	Total bedding/garden plants	Total wholesale value of reported crops ¹	Expanded wholesale value of reported crops ²
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
1997	11,514	26,477	3,313	153,877	195,229	211,384
1998	8,551	27,621	3,056	172,615	211,509	228,444
1999	4,995	27,828	2,996	175,988	211,807	231,939
2000	7,624	32,363	3,601	188,648	254,953	273,517
2001	8,119	29,554	3,531	189,381	252,485	270,121

¹ Total data for 1999 and 2000 are not comparable; total sales of propagative material were added in 2000.

² 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, 2001

Value of Sales



Bedding plants: Producers, quantity sold, price, and value, 1997-2001

Item	Producers	Quantity sold	Percent of sales at wholesale	Wholesale price	Value of sales at wholesale
	<i>Number</i>	<i>1,000 flats</i>	<i>Percent</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Begonias					
2000	199	847	83	7.15	6,056
2001	209	1,025	86	7.06	7,237
Geraniums					
1997	117	394	85	9.26	3,648
1998	97	783	94	7.02	5,497
1999	99	757	88	8.28	6,268
2000					
2001					
Geraniums from cuttings					
2000	43	292	78	6.21	1,813
2001	28	260	80	5.48	1,425
Geraniums from seed					
2000	50	219	93	8.11	1,776
2001	53	207	93	8.33	1,724
Impatiens					
1997	270	2,565	87	6.37	16,339
1998	269	3,314	81	5.88	19,486
1999	249	2,912	82	6.47	18,841
2000	251	2,403	83	6.81	16,364
2001	243	2,348	83	7.04	16,530
Marigolds					
2000	205	789	89	6.87	5,420
2001	214	794	86	7.35	5,836
New Guinea Impatiens					
1997	48	65	53	12.27	798
1998	36	86	85	8.25	710
1999	58	151	84	9.21	1,391
2000	46	125	91	8.21	1,026
2001	41	115	86	9.38	1,079
Pansies/Violas					
2000	195	679	90	6.67	4,529
2001	200	637	89	6.94	4,421
Petunias					
1997	269	1,522	87	6.84	10,410
1998	272	1,787	79	5.96	10,651
1999	250	1,651	85	6.35	10,484
2000	268	1,502	85	6.76	10,154
2001	259	1,486	86	7.00	10,402
Other flowering and foliar					
1997	296	6,561	87	6.69	43,893
1998	291	7,152	84	5.83	41,696
1999	259	7,683	88	6.36	48,864
2000	258	4,506	86	6.89	31,046
2001	244	4,006	86	6.91	27,681
Vegetables ¹					
1997	254	1,026	87	6.15	6,310
1998	189	1,008	72	6.69	6,744
1999	210	827	85	6.69	5,533
2000	218	720	83	6.99	5,033
2001	187	567	82	6.97	3,952

¹ Does not include vegetable transplants grown for commercial use.

Hanging baskets: Producers, quantity sold, price, and value, 1997-2001

Item	Producers	Quantity sold	Percent of sales at wholesale	Wholesale price	Value of sales at wholesale
	<i>Number</i>	<i>1,000 baskets</i>	<i>Percent</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Begonias					
2000	148	261	83	5.61	1,464
2001	146	278	82	5.95	1,654
Geraniums					
1997	269	528	80	6.02	3,179
1998	230	497	71	6.46	3,211
1999	240	685	67	6.41	4,391
2000					
2001					
Geraniums from cuttings					
2000	211	485	73	6.39	3,099
2001	200	417	76	6.71	2,798
Geraniums from seed					
2000	23	58	70	5.85	339
2001	30	101	76	5.82	588
Impatiens					
1997	246	498	85	4.62	2,301
1998	210	406	76	4.90	1,989
1999	218	438	79	4.94	2,164
2000	195	411	85	4.95	2,034
2001	187	376	86	5.49	2,064
Marigolds					
2000	5	2	94	5.89	12
2001	3	4	100	5.61	22
New Guinea Impatiens					
1997	250	566	86	6.29	3,560
1998	233	574	80	6.28	3,605
1999	229	727	73	6.41	4,660
2000	226	607	82	6.45	3,915
2001	219	586	83	6.51	3,815
Pansies/Violas					
2000	30	36	96	5.65	203
2001	27	33	87	5.57	184
Petunias					
1997	202	185	82	5.07	938
1998	183	164	76	5.12	840
1999	210	252	80	5.27	1,328
2000	178	251	85	4.96	1,245
2001	168	236	79	5.66	1,336
Other flowering					
1997	297	1,675	85	5.61	9,397
1998	244	1,465	71	6.12	8,966
1999	262	1,935	85	5.92	11,455
2000	189	1,346	82	5.95	8,009
2001	178	1,167	82	6.22	7,259
Foliage					
1997	68	408	95	4.18	1,705
1998	47	253	90	4.57	1,156
1999	55	315	93	5.06	1,594
2000	64	299	93	5.54	1,656
2001	52	306	95	4.95	1,515

Herbaceous perennials: Producers, quantity sold, price, and value, 2000

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										
2000	106	996	1,040	40	2,076	93	2.75	3.76	7.21	6,938
2001	111	584	1,073	46	1,703	94	2.76	2.89	6.43	5,009
Other										
2000	131	13,634	3,613	162	17,409	94	1.03	3.61	6.05	28,066
2001	136	13,890	5,110	317	19,317	94	1.25	3.06	5.90	34,869

Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 1997-2001

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	
	<i>Number</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>1,000 dollars</i>
Azaleas								
1997	49	41	179	220	87	1.86	6.74	1,267
1998	39	19	164	183	85	3.14	6.65	1,177
1999	34	16	149	165	84	3.27	6.81	1,113
2000	36	31	116	147	83	3.16	7.20	933
2001	34	14	110	124	69	3.47	6.64	779
Begonias								
2000	65	397	31	428	63	1.05	1.92	476
2001	69	577	38	615	61	1.26	3.01	841
Chrysanthemums, florist								
1997	46	125	580	705	95	1.57	3.98	2,505
1998	41	100	458	558	95	1.49	3.91	1,940
1999	41	153	434	587	93	1.42	3.88	1,901
2000	38	127	320	447	87	1.69	3.87	1,453
2001	46	162	647	809	64	1.48	3.78	2,685
Chrysanthemums, hardy garden								
1997	149	574	2,221	2,765	90	0.80	1.96	4,812
1998	139	637	2,294	2,931	86	0.91	1.74	4,571
1999	131	828	2,692	3,520	93	0.99	2.18	6,688
2000	131	631	2,487	3,118	90	1.11	1.79	5,152
2001								
Geraniums from cuttings								
1997	218	3,376	818	4,194	71	1.53	2.69	7,366
1998	228	6,355	1,173	7,528	78	1.33	2.55	11,443
1999	203	5,709	1,434	7,143	81	1.32	2.41	10,992
2000	222	3,298	1,369	4,667	67	1.54	2.43	8,406
2001	217	3,206	1,489	4,695	71	1.62	2.53	8,961
Geraniums from seed								
1997	127	19,078	693	19,771	98	0.75	2.30	15,902
1998	110	14,360	13	14,373	95	0.74	2.86	10,664
1999	104	14,469	108	14,577	97	0.72	2.99	10,741
2000	112	17,662	54	17,716	95	0.76	3.88	13,633
2001	100	15,426	39	15,465	95	0.77	5.45	12,091
New Guinea Impatiens								
1997	174	1,340	229	1,569	84	1.18	3.38	2,355
1998	193	1,469	234	1,703	79	1.14	3.49	2,491
1999	174	1,832	270	2,102	86	1.12	2.92	2,840
2000	190	2,848	287	3,135	89	1.10	3.93	4,261
2001	178	2,746	308	3,054	90	1.23	3.12	4,339
Pansies/Violas								
2000	34	329	58	387	80	0.67	4.83	501
2001	25	280	64	344	80	0.66	1.93	308

See footnote(s) at end of table.

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Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 1997-2001 (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	
	<i>Number</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>1,000 dollars</i>
Petunias								
1997	45	143	87	230	86	0.80	1.86	276
1998	45	119	56	175	75	0.76	2.56	234
1999	61	179	190	369	92	0.97	2.10	573
2000	64	390	336	726	63	1.15	1.92	1,094
2001	49	360	243	603	56	1.12	2.16	928
Poinsettias								
1997	118	1,099	2,711	3,810	91	1.61	3.80	12,071
1998	100	1,111	2,584	3,695	83	2.01	3.96	12,466
1999	94	1,029	2,894	3,923	90	1.70	3.98	13,267
2000	97	1,375	3,138	4,513	87	1.23	3.88	13,867
2001	101	1,342	3,057	4,399	87	1.17	3.98	13,737
Roses, florist								
2000	14	67	37	104	90	2.25	4.24	308
2001	17	52	55	107	95	2.69	4.23	373
Flowering bulbs								
2000	43	735	999	1,734	97	1.59	3.31	4,475
2001	47	821	665	1,486	96	1.48	3.40	3,476
Other flowering plants								
1997	83	1,271	880	2,151	93	1.10	3.50	4,478
1998	91	1,171	1,013	2,184	94	1.41	3.67	5,369
1999	61	1,023	1,377	2,400	92	1.51	2.89	5,524
2000	66	982	722	1,704	88	1.64	4.43	4,809
2001	55	805	485	1,290	84	1.61	3.54	3,013
Other flowering and foliar type bedding plants								
1997	196	12,632	3,689	16,321	87	0.91	2.61	21,123
1998	215	8,427	8,740	17,167	83	1.07	3.38	38,558
1999	198	10,519	5,595	16,114	82	1.08	2.95	27,866
2000	131	9,571	1,848	11,419	80	1.01	2.87	14,970
2001	121	9,049	1,372	10,421	82	1.16	3.49	15,285
Vegetable type ¹								
1997	105	642	282	924	82	0.84	2.01	1,106
1998	66	470	153	623	64	0.77	1.28	558
1999	77	651	230	881	81	0.61	1.43	726
2000	73	871	135	1,006	88	0.65	1.79	808
2001	65	594	169	763	90	0.86	1.54	771

¹ Does not include vegetable transplants grown for commercial use.