

Table 20. Value of Structures, Land Area Use, Irrigation, and Marketing Channels by Kind of Business for the United States: 1998

[Each operation was classified into a kind of business. This classification was based on the commodity that accounted for 50 percent or more of the operation's total sales. For meaning of abbreviations and symbols, see introductory text.]

Item	Total	Kind of business							
		Annual bedding/garden plants	Herbaceous perennial plants	Potted flowering plants	Foliage plants	Cut flowers	Cut cultivated greens	Nursery plants	Unfinished plants and propagation materials
Land and buildings:									
Operations..... number	23,758	6,299	1,059	944	926	1,166	367	5,717	605
Value..... \$1,000	18,171,723	3,276,387	471,506	1,068,733	573,876	1,080,014	278,449	4,569,565	414,949
Machinery and equipment:									
Operations..... number	23,758	6,299	1,059	944	926	1,166	367	5,717	605
Value..... \$1,000	3,233,655	683,728	86,971	149,840	78,530	125,868	27,480	879,897	104,051
Land covered by greenhouses:									
Operations..... number	14,344	6,009	859	831	666	651	42	2,529	397
Area..... 1,000 sq ft	755,163	234,212	20,086	61,437	60,416	79,273	11,092	134,786	26,515
Glass covered:									
Operations..... number	2,359	1,095	97	239	65	163	5	185	52
Area..... 1,000 sq ft	93,437	25,348	780	15,275	3,826	18,200	(D)	2,806	2,858
Fiberglass covered:									
Operations..... number	3,472	1,385	157	350	212	260	13	443	95
Area..... 1,000 sq ft	115,557	25,036	1,234	12,985	8,554	30,003	(D)	10,625	6,172
Plastic film covered and other materials:									
Operations..... number	12,734	5,578	798	609	562	436	34	2,252	351
Area..... 1,000 sq ft	546,169	183,829	18,072	33,178	48,036	31,070	9,960	121,355	17,485
Greenhouse area erected in 1998:									
Operations..... number	2,262	974	176	87	52	51	6	449	81
Area..... 1,000 sq ft	32,593	10,079	1,327	1,652	1,789	1,355	(D)	8,087	1,586
Greenhouse spaced used for:									
Annual bedding/garden plants:									
Operations..... number	8,605	5,938	446	386	60	62	1	349	71
Area..... 1,000 sq ft	254,530	184,663	5,090	13,963	1,289	624	(D)	5,350	2,996
Herbaceous perennial plants:									
Operations..... number	5,361	2,925	717	173	30	30	1	519	54
Area..... 1,000 sq ft	64,323	28,320	11,060	1,827	182	163	(D)	9,943	2,329
Potted flowering plants:									
Operations..... number	4,591	2,372	132	795	105	69	-	132	52
Area..... 1,000 sq ft	141,762	50,812	1,129	45,874	4,314	1,979	-	4,642	2,931
Foliage plants:									
Operations..... number	2,516	1,055	48	181	615	9	3	98	25
Area..... 1,000 sq ft	77,786	9,467	322	7,609	49,155	74	41	1,578	591
Cut flowers:									
Operations..... number	1,038	225	14	100	7	525	4	4	5
Area..... 1,000 sq ft	69,476	1,310	64	1,626	208	63,592	(D)	8	5
Cut cultivated greens:									
Operations..... number	68	9	-	1	3	13	31	3	-
Area..... 1,000 sq ft	6,738	12	-	(D)	(D)	52	6,084	(D)	-
Nursery plants:									
Operations..... number	1,890	195	82	11	13	4	-	1,323	104
Area..... 1,000 sq ft	69,326	2,835	815	(D)	694	19	-	59,072	3,016
Shade structures used for:									
Annual bedding/garden plants:									
Operations..... number	721	455	23	26	15	2	-	76	5
Area..... 1,000 sq ft	26,189	19,473	203	188	1,667	(D)	-	912	29
Herbaceous perennial plants:									
Operations..... number	1,011	345	221	30	14	8	1	195	11
Area..... 1,000 sq ft	12,990	5,018	2,644	300	142	5	(D)	2,938	258
Potted flowering plants:									
Operations..... number	566	131	6	227	43	25	-	45	11
Area..... 1,000 sq ft	20,242	2,952	10	10,637	2,425	786	-	1,214	131
Foliage plants:									
Operations..... number	580	44	4	15	375	6	2	74	5
Area..... 1,000 sq ft	94,540	497	(D)	1,247	83,814	410	(D)	2,126	240
Cut flowers:									
Operations..... number	188	2	1	17	1	160	1	2	-
Area..... 1,000 sq ft	27,865	(D)	(D)	515	(D)	26,636	(D)	(D)	-
Cut cultivated greens:									
Operations..... number	212	-	-	1	-	6	202	1	-
Area..... 1,000 sq ft	190,904	-	-	(D)	-	(D)	190,805	(D)	-
Nursery plants:									
Operations..... number	766	49	29	6	10	3	-	555	33
Area..... 1,000 sq ft	101,149	986	1,449	(D)	643	22	-	88,670	5,445
Natural shade area used for:									
Annual bedding/garden plants:									
Operations..... number	61	34	6	3	-	1	-	4	-
Area..... acres	90	45	6	(D)	-	(D)	-	8	-
Herbaceous perennial plants:									
Operations..... number	187	43	70	3	-	1	-	43	1
Area..... acres	2,406	145	130	6	-	(D)	-	(D)	(D)
Potted flowering plants:									
Operations..... number	21	2	1	7	-	1	-	2	-
Area..... acres	38	(D)	(D)	7	-	(D)	-	(D)	-
Foliage plants:									
Operations..... number	27	-	1	1	10	-	-	6	1
Area..... acres	81	-	(D)	(D)	53	-	-	9	(D)

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Item	Kind of business									
	Turfgrass sod, sprigs, or plugs	Bulbs, corms, rhizomes, or tubers	Cultivated mushrooms	Greenhouse produced food crops	Transplants for commercial production	Vegetable seeds	Flower seeds	Aquatic plants	Cut Christmas trees	Other
Land and buildings:										
Operations..... number	1,094	119	255	564	116	385	56	93	2,514	1,479
Value..... \$1,000	2,368,190	76,374	412,539	323,204	186,101	586,914	68,672	28,906	1,388,771	998,572
Machinery and equipment:										
Operations..... number	1,094	119	255	564	116	385	56	93	2,514	1,479
Value..... \$1,000	365,169	15,100	166,862	56,410	49,612	102,860	14,357	4,538	146,587	175,798
Land covered by greenhouses:										
Operations..... number	43	30	88	538	95	19	10	70	76	1,391
Area..... 1,000 sq ft	2,243	589	10,843	30,259	11,385	121	210	1,327	787	69,581
Glass covered:										
Operations..... number	-	1	54	85	17	3	-	13	7	278
Area..... 1,000 sq ft	-	(D)	1,035	11,554	766	(D)	-	56	(D)	10,717
Fiberglass covered:										
Operations..... number	7	7	68	101	22	4	2	14	10	322
Area..... 1,000 sq ft	286	(D)	5,436	2,629	2,839	(D)	(D)	56	(D)	8,192
Plastic film covered and other materials:										
Operations..... number	40	25	74	465	85	16	9	64	64	1,272
Area..... 1,000 sq ft	1,956	453	4,372	16,076	7,780	(D)	(D)	1,214	404	50,672
Greenhouse area erected in 1998:										
Operations..... number	9	3	7	62	15	2	3	14	13	258
Area..... 1,000 sq ft	102	8	20	2,306	740	(D)	9	72	47	3,243
Greenhouse spaced used for Annual bedding/garden plants:										
Operations..... number	12	3	-	56	28	2	1	2	16	1,172
Area..... 1,000 sq ft	272	(D)	-	749	249	(D)	(D)	(D)	51	39,029
Herbaceous perennial plants:										
Operations..... number	7	4	-	24	8	1	3	5	11	849
Area..... 1,000 sq ft	42	(D)	-	80	8	(D)	(D)	(D)	15	10,090
Potted flowering plants:										
Operations..... number	4	6	-	12	7	1	1	2	7	894
Area..... 1,000 sq ft	(D)	130	-	293	795	(D)	(D)	(D)	17	28,653
Foliage plants:										
Operations..... number	-	-	-	7	2	-	1	1	2	469
Area..... 1,000 sq ft	-	-	-	15	(D)	-	(D)	(D)	(D)	8,890
Cut flowers:										
Operations..... number	-	2	-	11	3	-	1	3	3	131
Area..... 1,000 sq ft	-	(D)	-	202	3	-	(D)	5	(D)	1,876
Cut cultivated greens:										
Operations..... number	-	-	-	1	-	-	-	-	-	7
Area..... 1,000 sq ft	-	-	-	(D)	-	-	-	-	-	12
Nursery plants:										
Operations..... number	1	1	-	3	-	-	1	-	8	144
Area..... 1,000 sq ft	(D)	(D)	-	(D)	-	-	(D)	-	29	2,159
Shade structures used for Annual bedding/garden plants:										
Operations..... number	-	-	-	3	-	-	-	-	1	115
Area..... 1,000 sq ft	-	-	-	(D)	-	-	-	-	(D)	3,428
Herbaceous perennial plants:										
Operations..... number	1	1	-	2	1	-	2	3	1	175
Area..... 1,000 sq ft	(D)	(D)	-	(D)	(D)	-	(D)	(D)	(D)	1,638
Potted flowering plants:										
Operations..... number	1	-	-	-	1	-	-	1	-	75
Area..... 1,000 sq ft	(D)	-	-	-	(D)	-	-	(D)	-	1,998
Foliage plants:										
Operations..... number	-	-	-	1	-	1	2	-	-	51
Area..... 1,000 sq ft	-	-	-	(D)	-	(D)	(D)	-	-	5,842
Cut flowers:										
Operations..... number	-	1	-	-	-	-	-	-	-	3
Area..... 1,000 sq ft	-	(D)	-	-	-	-	-	-	-	49
Cut cultivated greens:										
Operations..... number	-	-	-	-	-	-	-	-	-	2
Area..... 1,000 sq ft	-	-	-	-	-	-	-	-	-	(D)
Nursery plants:										
Operations..... number	1	1	-	1	-	-	2	-	6	70
Area..... 1,000 sq ft	(D)	(D)	-	(D)	-	-	(D)	-	(D)	2,398
Natural shade area used for Annual bedding/garden plants:										
Operations..... number	1	-	-	-	-	-	-	-	-	12
Area..... acres	(D)	-	-	-	-	-	-	-	-	21
Herbaceous perennial plants:										
Operations..... number	-	1	-	-	1	1	1	-	-	22
Area..... acres	-	(D)	-	-	(D)	(D)	(D)	-	-	26
Potted flowering plants:										
Operations..... number	1	-	-	-	-	-	-	-	-	7
Area..... acres	(D)	-	-	-	-	-	-	-	-	7
Foliage plants:										
Operations..... number	-	-	-	-	-	-	-	-	-	8
Area..... acres	-	-	-	-	-	-	-	-	-	16

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Item	Total	Kind of Business							
		Annual bedding/garden plants	Herbaceous perennial plants	Potted flowering plants	Foliage plants	Cut flowers	Cut cultivated greens	Nursery plants	Unfinished plants and propagation materials
Cut flowers:									
Operations.....number	39	1	-	1	-	31	2	1	-
Area.....acres	74	(D)	-	(D)	-	56	(D)	(D)	-
Cut cultivated greens:									
Operations.....number	148	-	-	-	-	6	140	1	-
Area.....acres	2,773	-	-	-	-	(D)	2,735	(D)	-
Nursery plants:									
Operations.....number	218	14	9	-	-	-	1	167	9
Area.....acres	835	30	15	-	-	-	(D)	672	28
Open land area used for									
Annual bedding/garden plants:									
Operations.....number	2,154	1,512	100	89	17	15	-	118	16
Area.....acres	5,920	4,432	226	211	77	25	-	269	39
Herbaceous perennial plants:									
Operations.....number	3,022	1,185	711	55	15	31	1	487	23
Area.....acres	11,988	2,008	2,702	78	39	36	(D)	5,246	91
Potted flowering plants:									
Operations.....number	978	300	32	346	32	28	-	44	10
Area.....acres	2,624	830	84	1,015	118	50	-	200	14
Foliage plants:									
Operations.....number	650	107	6	30	349	3	-	42	6
Area.....acres	3,240	144	8	169	2,535	3	-	93	8
Cut flowers:									
Operations.....number	1,334	197	45	39	3	845	25	19	5
Area.....acres	18,502	304	108	77	7	17,209	240	22	11
Cut cultivated greens:									
Operations.....number	465	12	2	8	5	127	173	31	2
Area.....acres	4,163	14	(D)	(D)	10	239	3,001	192	(D)
Nursery plants:									
Operations.....number	7,328	527	255	43	72	14	4	5,224	310
Area.....acres	270,668	2,121	3,178	412	579	25	(D)	244,193	9,916
Land area irrigated:									
Area under protection:									
Operations.....number	14,234	6,066	867	883	844	661	224	2,102	241
Area.....1,000 sq ft	1,253,043	308,482	23,126	85,954	144,632	94,791	198,157	177,618	18,291
Area in the open used for									
Nursery plants:									
Operations.....number	5,089	247	180	29	56	10	4	3,926	191
Area.....acres	110,925	599	607	255	424	17	(D)	104,098	2,396
Turfgrass sod, sprigs, or plugs:									
Operations.....number	898	1	1	-	-	-	-	12	1
Area.....acres	196,819	(D)	(D)	-	-	-	-	595	(D)
Other horticultural crops:									
Operations.....number	4,013	926	374	103	168	591	260	512	66
Area.....acres	79,248	2,409	2,216	384	1,120	10,937	4,106	8,575	565
Operations by source of water:									
Groundwater.....	12,462	4,110	660	589	640	530	268	3,087	242
On farm surface water.....	3,987	1,058	191	122	135	156	89	1,217	87
Off farm water.....	4,808	1,610	237	264	179	447	40	866	88
Operations by methods of irrigation used with --									
Square feet under protection:									
Hand watered by hose.....	10,735	5,593	729	638	368	292	52	1,167	154
Overhead/Sprinkler.....	6,020	1,806	358	364	566	258	216	1,456	154
Drip irrigation.....	4,806	1,924	204	362	329	333	58	499	60
Subirrigation.....	2,007	849	101	111	75	73	43	333	35
Other.....	1,910	667	87	85	79	176	45	341	26
Acres in the open:									
Hand watered by hose.....	2,353	451	188	42	44	102	23	952	55
Overhead/Sprinkler.....	6,810	620	357	82	176	301	224	3,203	181
Drip irrigation.....	2,820	294	105	43	61	367	61	1,365	50
Subirrigation.....	559	26	1	6	32	66	24	193	14
Other.....	941	42	9	8	30	101	26	317	17
Operations by percent of water recycled:									
None.....	20,525	5,416	932	812	853	987	326	4,821	522
Any.....	3,233	883	127	132	73	179	41	896	83
1 to 4 percent.....	1,102	432	29	51	32	111	10	111	17
5 to 9 percent.....	423	195	9	22	6	12	2	73	10
10 to 24 percent.....	374	72	18	11	7	17	4	129	8
25 or more percent.....	1,334	184	71	48	28	39	25	583	48
Operations by marketing channels used:									
Consumers (direct sales).....	13,445	4,749	750	544	179	336	22	2,571	219
Retail florists.....	2,982	1,063	70	472	221	450	39	127	42
Retail garden centers/nurseries.....	8,300	2,606	506	473	342	77	5	2,508	201
Supermarkets/groceries.....	2,300	760	70	211	128	148	15	124	33
Other mass marketers.....	1,908	652	85	148	115	39	6	356	36
Interiorscapers.....	691	129	9	148	206	15	-	81	8
Landscape contractors.....	7,513	1,486	462	131	149	9	5	3,567	135
Re-wholesalers.....	7,780	827	150	310	603	760	319	2,518	269
Non-profit groups.....	2,318	968	111	150	41	18	9	299	48
Other.....	1,580	209	31	33	25	61	22	308	110

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Cut flowers:										
Operations.....number	-	-	-	-	1	-	-	-	-	2
Area.....acres	-	-	-	-	(D)	-	-	-	-	(D)
Cut cultivated greens:										
Operations.....number	-	-	-	-	-	-	-	-	-	1
Area.....acres	-	-	-	-	-	-	-	-	-	(D)
Nursery plants:										
Operations.....number	1	-	-	2	1	-	-	-	-	14
Area.....acres	(D)	-	-	(D)	(D)	-	-	-	-	84
Open land area used for --										
Annual bedding/garden plants:										
Operations.....number	1	1	-	7	5	-	-	-	4	269
Area.....acres	(D)	(D)	-	22	17	-	-	-	(D)	484
Herbaceous perennial plants:										
Operations.....number	7	7	-	9	4	-	2	5	12	468
Area.....acres	7	10	-	9	5	-	(D)	(D)	46	1,606
Potted flowering plants:										
Operations.....number	-	-	-	-	2	-	-	1	-	183
Area.....acres	-	-	-	-	(D)	-	-	(D)	-	304
Foliage plants:										
Operations.....number	-	-	-	-	1	-	1	-	-	105
Area.....acres	-	-	-	-	(D)	-	(D)	-	-	270
Cut flowers:										
Operations.....number	-	23	-	5	4	1	1	2	11	109
Area.....acres	-	181	-	7	11	(D)	(D)	(D)	16	300
Cut cultivated greens:										
Operations.....number	-	-	-	4	1	-	-	-	83	17
Area.....acres	-	-	-	5	(D)	-	-	-	245	(D)
Nursery plants:										
Operations.....number	47	4	-	5	4	1	3	4	377	434
Area.....acres	1,184	(D)	-	5	(D)	(D)	(D)	7	5,289	3,458
Land area irrigated:										
Area under protection:										
Operations.....number	19	14	255	564	95	12	7	66	43	1,271
Area.....1,000 sq ft	551	615	38,372	30,705	21,009	161	156	1,645	518	108,260
Area in the open used for										
Nursery plants:										
Operations.....number	31	3	-	4	2	1	1	4	83	317
Area.....acres	447	5	-	4	(D)	(D)	(D)	6	483	1,502
Turfgrass sod, sprigs, or plugs:										
Operations.....number	875	-	-	-	-	-	-	-	-	8
Area.....acres	195,783	-	-	-	-	-	-	-	-	438
Other horticultural crops:										
Operations.....number	6	72	1	14	28	363	38	81	54	356
Area.....acres	(D)	2,289	(D)	35	734	39,577	2,627	2,216	203	1,216
Operations by source of water:										
Groundwater.....	495	52	160	376	71	156	29	70	89	838
On farm surface water.....	368	18	35	95	15	51	12	23	48	267
Off farm water.....	158	22	78	154	29	214	12	17	25	368
Operations by methods of irrigation used with										
Square feet under protection:										
Hand watered by hose.....	15	11	235	189	63	11	5	41	36	1,136
Overhead/Sprinkler.....	8	9	105	172	52	7	3	34	17	435
Drip irrigation.....	4	5	93	367	21	7	-	21	17	502
Subirrigation.....	3	3	86	81	9	5	-	19	11	170
Other.....	3	3	92	124	9	5	-	30	10	128
Acres in the open:										
Hand watered by hose.....	56	9	-	-	6	106	3	37	21	258
Overhead/Sprinkler.....	820	57	-	9	18	243	32	51	78	358
Drip irrigation.....	65	26	-	8	12	121	8	35	45	154
Subirrigation.....	66	6	-	-	5	81	7	16	1	15
Other.....	77	12	-	1	5	232	5	34	5	20
Operations by percent of water recycled:										
None.....	959	102	155	438	106	233	51	51	2,487	1,274
Any.....	135	17	100	126	10	152	5	42	27	205
1 to 4 percent.....	16	6	74	31	6	109	2	12	4	49
5 to 9 percent.....	11	4	6	21	1	3	-	16	3	29
10 to 24 percent.....	37	1	1	8	1	8	-	1	3	48
25 or more percent.....	71	6	19	66	2	32	3	13	17	79
Operations by marketing channels used:										
Consumers (direct sales).....	694	73	44	265	48	19	12	54	1,733	1,133
Retail florists.....	7	6	-	8	10	-	-	6	87	374
Retail garden centers/nurseries.....	278	26	5	28	22	7	6	40	583	587
Supermarkets/groceries.....	7	6	75	375	13	1	-	-	130	204
Other mass marketers.....	79	3	12	20	5	17	-	5	166	164
Interiorscapers.....	10	-	1	-	1	-	-	-	8	75
Landscape contractors.....	837	17	1	7	6	-	8	32	229	432
Re-wholesalers.....	259	59	190	143	22	204	38	30	820	259
Non-profit groups.....	54	10	1	10	6	2	1	5	359	226
Other.....	147	13	47	90	51	153	13	17	177	73