Farm Machinery and Lawn and Garden Equipment

2000

Issued October 2001

MA333A(00)-1

Current Industrial Reports

Information about the scope of the survey, methodology, explanation of terms and historical notes for this survey may be found in the introduction of the 1998 Manufacturing Profiles, issued December 2000.

Current data are released electronically on Internet for all individual surveys as they become available. Use: http://www.census.gov/mcd/. Individual reports can be accessed by choosing "Current Industrial Reports (CIR)," clicking on "CIRs by Subsector;" then choose the survey of interest. Follow the menu to view the PDF file or to download the worksheet file (WK format) to your personal computer.

These data are also available on Internet through the U.S. Department of Commerce and STAT-USA by subscription. The Internet address is: www.stat-usa.gov/. Follow the prompts to register. Also, you may call 202-482-1986 or 1-800-STAT-USA, for further information.

NOTE. Data are now published on the New North American Industry Classification System (NAICS) basis and therefore are not always comparable to the old Standard Industrial Classification (SIC) code. For further information on NAICS, see www.census.gov/epcd/www/naics.html.

SUMMARY OF FINDINGS

During 2000, factory shipments of farm machinery and equipment, including parts and attachments, produced by original equipment manufacturers (OEM), totaled $11,966.4 million, a 17-percent increase from 1999 shipments of $10,266.4 million. Shipments of farm dairy machines, sprayers, dusters, elevators, farm blowers, and parts totaled $884.6 million, an increase of 8 percent over the 1999 total of $816.8 million. The value of shipments for harvesting machinery and parts increased 11 percent, from $1,553.1 in 1999 to $1,729.5 in 2000. Haying machinery and parts increased 8 percent, from $638.6 in 1999 to $691.4 in 2000.

The value of shipments for commercial turf and ground equipment, including parts, was $1,865.4 million in 2000, a 13-percent increase over the $1,656.8 million reported for 1999.

The value of shipments for consumer lawn, garden, and snow equipment, including parts and attachments, was $6,479.2 million in 2000, virtually unchanged from $6,471.4 million in 1999.

Address inquiries concerning these data to Investment Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Richard Hough, 301-763-4823.

For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-763-4673.

U S C E N S U S B U R E A U

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Table 1. Value of Shipments of Farm Machinery and Lawn and Garden Equipment by Type of Equipment: 1995 to 2000

[Value in millions of dollars]

Product description	2000	1999	1998	1997	1996	1995
Farm dairy machines, sprayers, dusters, elevators, and farm blowers 1/	884.6	816.8	993.6	816.6	839.2	764.7
Planting, seeding, and fertilizing machinery 1/	887.3	752.4	1,091.1	1,154.6	862.3	852.9
Harvesting machinery 1/	1,729.5	1,553.1	3,095.6	3,259.4	2,966.8	2,666.8
Haying machinery 1/	691.4	638.6	848.0	794.8	670.3	729.4
Plows, harrows, rollers, pulverizers, cultivators, and weeders 1/	496.2	464.7	631.2	696.3	542.0	512.5
Commercial turf and grounds care equipment 2/	1,865.4	1,656.8	1,361.6	1,238.8	1,118.5	1,120.3
Consumer nonriding lawn, garden, and snow equipment 3/	2,887.1	3,082.5	2,979.1	3,051.6	2,957.0	3,095.0
Consumer riding lawn, garden, and snow equipment 3/	3,592.0	3,388.9	3,276.8	2,942.9	2,861.0	2,874.3

1/A parts category and a 7-digit product class total from Table 2 has been summed to derive the product group totals.

2/The 7-digit product class total from Table 2 already includes the parts and attachments from this product group.

3/The parts and attachments categories for lawn and garden equipment have been added to the 7-digit product class total from Table 2.

Table 2. Manufacturers' Shipments of Farm Machinery and Lawn and Garden Equipment by Type: 2000 and 1999
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2000 Quantity	2000 Value	1999 Quantity	1999 Value
333111	Farm machinery and equipment, including parts and attachments	(NA)	(X)	11,966,403	(X)	10,266,430
3331111	Wheel tractors (except contractors' off-highway wheel tractors, garden tractors, turf tractors, and motor tillers) and attachments	15	(X)	(D)	(X)	(D)
	Wheel tractors, farm-type (PTO hp)	(NA)	(D)	(D)	(D)	(D)
3331111001	2-wheel drive, including front wheel assist types	6	(D)	(D)	(D)	(D)
3331111006	4-wheel drive, including tractors with, equal size tires, front and rear	3	(D)	(D)	(D)	(D)
3331111011	Attachments for wheel tractors, farm-type	10	(X)	33,428	(X)	33,902
333111C116	Parts for wheel tractors, farm-type	13	(X)	(D)	(X)	(D)
3331113	Farm dairy machines, sprayers, dusters, elevators, and farm blowers	(NA)	(X)	714,397	(X)	680,317
3331113 pt.	Farm dairy machines and equipment	15	(X)	119,708	(X)	136,046
	Mechanical installations:					
3331113001	Milking machines, complete, suspended and floor-type bucket, single and double units	3	(D)	(D)	(D)	(D)
3331113004	Pipeline milking units, complete, including claws, shells, inflations, air tubes, with or without pulsator	5	(D)	(D)	(D)	(D)
	Other farm dairy machines and equipment	13	(X)	(D)	(X)	(D)
	Attachments for farm dairy machines and equipment	6	(X)	(D)	(X)	(D)
	Parts for farm dairy machines and equipment, replacement units only	9	(X)	61,871	(X) r/	42,170
3331113 pt.	Sprayers and dusters	63	(X)	545,346	(X)	491,045
	Power sprayers, field and row crop types only:					
3331113016	Self-propelled	13	c/ 3,242	c/ 338,701	b/ r/ 3,041	a/ r/ 287,461
3331113021	Tractor mounted	26	a/ 7,903	a/ 16,517	a/ 6,933	a/ 12,681
	Other than tractor mounted:					
3331113024	Power take-off driven, piston pump type	8	900	4,218	b/ 884	4,995
3331113028	Nonpiston pump type	15	a/ 2,932	b/ 9,170	2,663	a/ 8,192
3331113032	Other power sprayers, over 4 g.p.m.	8	(X)	(D)	(X)	r/ 3,250
	Power sprayers, other than row crop and field types, over 4 g.p.m.:					
331113036	Power take-off driven	6	b/ 534	b/ 4,761	545	4,326
3331113041	Engine-driven	13	b/ 1,199	b/ 4,672	1,090	5,353
3331113044	Air carried type power sprayers (field, row crop, and orchard types)	5	b/ 825	b/ 7,448	b/ 539	b/ r/ 6,166
3331113048	Foggers and mist sprayers portable	4	(D)	(D)	a/ 12,020	b/ 1,906
3331113052	Hand-pulled and garden-type,4 g.p.m. and under	10	96,573	12,109	r/ 92,720	12,044
	Sprayers, agricultural hand:					
3331113056	Under 1 gallon	4	756,108	3,799	700,383	3,528
	1 gallon and over:					
3331113061	Compressed air or gas	6	7,885,939	101,813	r/ 7,909,451	99,319
3331113064	Other, including knapsack, hose end and flame sprayers and sprayer pumps	7	(X)	16,661	(X)	20,187
3331113068	Dusters, power, hand, all types	6	68,464	848	92,101	1,282
3331113072	All other sprayers	12	(X)	a/ 3,373	(X)	a/ r/ 4,145
3331113076	Attachments for sprayers and dusters	16	(X)	13,951	(X)	a/ r/ 16,210
333111C223	Parts for sprayers and dusters, replacement units only	34	(X)	a/ 99,997	(X)	a/ r/ 88,693

Continued

Table 2. Manufacturers' Shipments of Farm Machinery and Lawn and Garden Equipment by Type: 2000 and 1999
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2000 Quantity		2000 Value	1999 Quantity		1999 Value
3331113 pt.	Farm elevators and blowers	28	(X)		49,343	(X)		53,226
	Farm elevators, portable:							
3331113081	Single and double chain	9	1,932		4,223	a/ 2,185		4,262
3331113088	Auger type	10	7,679		20,617	r/ 7,131	r/	19,703
	Other farm portable and stationary augers and elevators	10	(X)	b/	15,987	(X)	a/ r/	17,519
3331113092	Other farm blowers, including forage blowers, combination grain and forage blowers	5	(X)	c/	2,231	(X)	c/ r/	3,579
	Attachments for farm elevators and blowers	10	(X)		6,285	(X)	r/	8,163
	Parts for farm elevators and for grain and forage blowers, replacement units only	18	(X)		8,383	(X)	a/ r/	5,640
3331117	Planting, seeding, and fertilizing machinery	122	(X)		753,678	(X)		638,157
3331117001	Corn planters, corn and cotton planters, and lister plant pull-type and mounted (total rows mounted)	10	(D)		(D)	(D)		(D)
3331117008	Grain drills (fixed frame), all types	12	4,962		94,857	5,703		100,496
3331117011	Transplanters (pull-type or mounted) and broadcast seeders (end-gate, mounted and drawn)	9	a/ 9,651		6,548	b/ 9,800		7,624
	Fertilizer distributors (pull-type or mounted):							
3331117018	Dry, including lime spreaders	28	a/ 14,459	b/	29,055	a/ 14,440	b/	27,683
3331117021	Liquid and anhydrous ammonia	17	7,478		20,319	c/ 5,165	b/	18,547
3331117028	Manure spreaders, rear discharge	12	3,986		25,320	2,933		19,914
3331117031	Manure spreaders, side discharge	7	2,684		28,231	2,678		29,465
3331117038	Manure pumps, liquid	10	767		3,866	1,088	r/	4,699
3331117041	Front and rear tractor mounted loaders (farm-type), manure and general utility (except beet and sugar cane loaders)	12	a/ 33,793	a/	95,899	r/ 35,245	r/	101,068
3331117048	Row crop unit planters (quantity in rows)	10	32,719		40,082	27,156		27,999
3331117051	Other planting, seeding, and fertilizing machinery	30	(X)		(D)	(X)		(D)
3331117058	Attachments for planting, seeding, and fertilizing machinery	28	(X)		48,712	(X)	a/	38,811
333111C229	Parts for planting, seeding, and fertilizing machinery, replacement units only	66	(X)		133,610	(X)		114,205
3331119	Harvesting machinery	70	(X)		1,534,619	(X)		1,370,426
3331119001	Combines (harvester-threshers), grain-types only (self-propelled and pull-type)	9	(D)		(D)	(D)		(D)
3331119011	Small grain header for combines, all sizes	7	(D)		(D)	(D)		(D)
3331119021	Corn heads, all sizes	5	(D)		(D)	(D)		(D)
3331119031	Other grain-type combines	2	(X)		(D)	(X)		(D)
	Field forage harvesters:							
3331119041	Shear bar, self-propelled type and pull-type (basic machines)	4	b/ 1,743	b/	38,010	b/ 1,130	b/	22,907
3331119051	Attachments for shear bar type forage harvester	4	(X)		(D)	(X)		(D)
3331119061	Flail-type (horizontal knives or vertical free-swinging knives or hammers), including discharge spouts	2	(D)		(D)	(D)		(D)
3331119071	Other harvesting machinery, including potato diggers, cane harvesting equipment, and picker-shellers	47	(X)		(D)	(X)		(D)
3331119081	Attachments for harvesting machinery, including platform and seeder, reel, straw spreaders, load levelers, weed stripper, grate unit, knife grinders, and stalk walkers	23	(X)		98,455	(X)		66,623
333111C22A	Parts for harvesting machinery, replacement units only	53	(X)		194,883	(X)	r/	182,625

Continued

Table 2. Manufacturers' Shipments of Farm Machinery and Lawn and Garden Equipment by Type: 2000 and 1999
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2000 Quantity	2000 Value	1999 Quantity	1999 Value
333111A	Haying machinery	37	(X)	613,865	(X)	545,503
333111A001	Mowers, cutter bar type, including drum and disk	7	2,921	13,996	3,174	18,165
333111A011	Mower-conditioners and windrowers with conditioner auger and draper-type (pull-type and self-propelled)	7	12,947	198,646	12,082	176,322
333111A021	Rakes, side delivery, cylinder type, and finger wheel type	12	a/ 9,111	34,592	a/ r/ 8,884	a/ 34,407
333111A031	Hay balers, hay stackers, (field type), hay bale loaders, bale throwing attachments	18	19,392	320,055	15,959	273,400
333111A041	Other haying machinery	13	(X)	(D)	(X)	a/ 22,024
333111A051	Other attachments for haying machinery (stripper, bale chute and knife attachments)	10	(X)	(D)	(X)	21,185
333111C22C	Parts for haying machinery, replacement units only	20	(X)	77,581	(X)	93,103
333111E	Plows, harrows, rollers, pulverizers, cultivators, and weeders	(NA)	(X)	387,306	(X)	357,338
333111E pt.	Plows (primary tillage equipment)	65	(X)	130,714	(X)	120,360
333111E001	Subsoilers, deep tillage	26	4,318	34,462	c/ 4,256	c/ 32,030
333111E009	Terracing and ditching plows	9	a/ 232	a/ 436	b/ r/ 257	a/ r/ 609
	Chisel plows, deep tillage (chisel or sweep type):					
333111E011	Pull-type	13	914	11,349	(D)	(D)
333111E019	Mounted	11	b/ 649	c/ 4,783	(D)	(D)
333111E021	Other plows (except snow plows)	15	(X)	33,769	(X)	23,646
333111E059	Middlebusters and disc bedders	14	3,636	4,086	4,077	r/ 3,146
333111E031	Attachments for plows (coulters, jointers, root cutters subsoilers, fertilizer distributors, etc.), excluding lister planting attachments	22	(X)	b/ 34,603	(X)	b/ 35,700
333111E039	Plowshares (quantity in thousands of pounds)	7	7,916,203	7,226	a/ 8,781,455	9,121
333111C22E	Parts for plows (except plowshares, replacement units only)	21	(X)	44,545	(X)	r/ 44,238
333111E pt.	Harrows, rollers, pulverizers and similar equipment (secondary tillage)	88	(X)	169,791	(X)	156,774
333111E041	Spike-tooth harrow sections and spring-tooth and tine-tooth harrow sections	21	17,265	12,945	r/ 18,524	14,028
333111E049	Disc harrows, single, tandem, and offset	23	11,766	61,120	11,293	56,813
333111E051	Combination tillage equipment, roller/harrows, disc or coulter/field cultivators, disc or coulter/spring tooth	28	c/ 9,135	32,881	c/ 9,417	34,641
333111E058	Blade terracers or scrapers (farm-size)	35	a/ 49,848	a/ 21,933	b/ 59,232	a/ r/ 25,607
333111E061	Land levelers	7	a/ 1,602	c/ 2,856	a/ r/ 1,338	c/ r/ 2,142
333111E069	Other harrows, rollers, pulverizers, and similar equipment	26	(X)	27,651	(X)	a/ r/ 16,543
333111E071	Attachments for harrows, rollers, pulverizers, and similar equipment	15	(X)	10,405	(X)	7,000
333111C22G	Parts for harrows, rollers, pulverizers, and similar equipment, replacement units only	41	(X)	36,807	(X)	r/ 34,205
333111E pt.	Cultivators and weeders	46	(X)	86,801	(X)	80,204
333111E079	Corn and cotton type cultivators, shank and sweep type (front and rear mounted)	18	1,790	a/ 10,227	2,103	11,181
333111E081	Rotary cultivators, ground and power driven	6	1,533	a/ 2,971	2,863	a/ 6,715
333111E089	Field cultivators	15	5,191	45,247	a/ 3,428	a/ 37,241
333111E091	Other cultivators and weeders including tool bars (basic units)	17	(X)	a/ 5,890	(X)	a/ r/ 4,394

Continued

Table 2. Manufacturers' Shipments of Farm Machinery and Lawn and Garden Equipment by Type: 2000 and 1999
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2000 Quantity		2000 Value	1999 Quantity		1999 Value
333111E099	Attachments for cultivators and weeders (front mounting frame, disc weeders, rear section, and drawbars)	21	(X)		22,466	(X)	a/	20,673
333111C22J	Parts for cultivators and weeders, replacement units only	26	(X)		27,525	(X)	r/	28,881
333111G	All other farm machinery and equipment (except parts)	(NA)	(X)		1,589,380	(X)		1,521,571
333111G pt.	Stalk shredders and cutters or rotary mowers (PTO)	41	(X)		207,498	(X)		191,405
333111G002	Flail type (without spout)	14	b/ 1,241	b/	10,688	b/ 1,538	a/	11,068
	Horizontal blade type:							
333111G004	66 inches cutting width and under	27	a/ 68,295	a/	46,973	b/ 75,230	a/	50,310
333111G006	Over 66 inches up to 100 inches cutting width	22	a/ 46,445		71,827	b/ 39,982	a/	53,580
333111G008	Over 100 inches cutting width	15	11,581		78,010	a/ 10,995	b/	76,447
333111C22L	Parts for stalk shredders, and cutters or rotary mowers (PTO), replacement units only	29	(X)		32,479	(X)	a/	32,754
333111G pt.	Machines for preparing crops for market or for use	73	(X)		251,635	(X)		233,826
333111G012	Feed grinders and crushers, power	11	1,759		22,770	1,921		18,067
333111G014	Feed mixers, farm-size, stationary and portable	18	a/ 2,867		54,247	a/ 2,903	a/	53,596
333111G016	Combination grinder-mixers	5	(D)		(D)	(D)		(D)
	Dryers (grain, hay, and seed):							
333111G018	Heated air crop dryers	16	6,512		41,816	a/ 6,070		41,074
333111G022	Crop drying fans (over 15,000 c.f.m. at approximately 1-inch pressure)	10	(D)		(D)	(D)		(D)
333111G024	Other machines for preparing crops for market or for use	43	(X)		99,824	(X)	a/	98,345
333111G026	Attachments for machines for preparing crops for market or for use	15	(X)		13,252	(X)		4,701
333111C22N	Parts for machines for preparing crops for market or for use, replacement units only	41	(X)		42,376	(X)		29,269
333111G pt.	Farm poultry equipment	37	(X)		266,113	(X)		309,547
333111G028	Incubators, quantity represents egg capacity in thousands	10	c/ 64,720	b/	39,228	r/ 58,390	a/	26,717
333111G032	Brooders, floor and hanging (gas, electric, oil, coal, wood and battery)	11	143,552		24,210	165,433		24,708
333111G034	Nests and cages	10	3,386,430	a/	52,458	c/ 3,608,468	b/	70,115
333111G036	Poultry feeders (trough, hanging, and mechanical) and waterers (except turkey feeders and waterers)	13	6,446,749	a/	64,907	c/ 9,131,620	a/	70,870
333111G038	Other farm poultry equipment, including turkey waterers, mechanized egg graders and egg washers	18	(X)		75,362	(X)	a/	105,173
333111G042	Attachments for farm poultry equipment	12	(X)		9,948	(X)		11,964
333111C22P	Parts for farm poultry equipment, replacement units only	15	(X)		20,215	(X)	a/	17,981
333111G pt.	Hog equipment	48	(X)		118,993	(X)		126,434
333111G044	Feeding equipment	26	119,929		41,680	r/ 106,976	r/	39,856
333111G046	Handling equipment	15	a/ 464,176	a/	41,372	b/ r/ 496,242	b/ r/	41,593
333111G048	Watering equipment	19	405,151		3,781	419,553	a/	3,959
333111G052	Other hog equipment	25	(X)		30,806	(X)	b/ r/	40,158
333111G054	Attachments for hog equipment	10	(X)		1,354	(X)		868
333111C22T	Parts for hog equipment, replacement units only	18	(X)		6,307	(X)	r/	5,041
333111G pt.	Other barn and barnyard equipment	89	(X)		180,993	(X)		180,970
333111G056	Silo and grain bin unloaders, forage and grain, including sealed storage unloaders (farm-type)	15	33,832		42,546	r/ 38,788	r/	47,365
	Cattle and dairy barn equipment:							
333111G058	Feeding equipment	32	111,937	a/	23,996	116,007	b/	25,916

Continued

Table 2. Manufacturers' Shipments of Farm Machinery and Lawn and Garden Equipment by Type: 2000 and 1999
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2000 Quantity	2000 Value	1999 Quantity	1999 Value
333111G062	Handling equipment	34	b/ 662,015	b/ 47,415	c/ r/ 576,913	b/ 43,153
333111G064	Water equipment	23	278,263	26,072	244,206	23,160
XXX	Other barn and barnyard equipment	37	(X)	36,057	(X)	a/ r/ 36,494
333111G068	Attachments for barn and barnyard equipment	15	(X)	4,907	(X)	r/ 4,882
333111C22U	Parts for barn and barnyard equipment, replacement units only	26	(X)	16,116	(X)	a/ r/ 25,685
333111G pt.	Farm wagons, and other farm transportation equipment	66	(X)	157,675	(X)	154,095
333111G072	Wagons (chassis only) and trailer gears, excluding motor trucks, 4-wheel	31	a/ 19,934	b/ 41,500	a/ r/ 19,043	b/ r/ 35,685
	Boxes and racks for mounting on wagons and trailer gears:					
333111G074	Manual unloading or dump	8	1,380	9,620	1,666	9,171
333111G076	Gravity unloading, grain-type only	8	5,240	a/ 8,581	5,805	9,691
333111G078	Power unloading	11	a/ 3,192	a/ 28,596	a/ 3,703	a/ 31,954
333111G082	Boxes with integral running gear, grain- and forage-types	13	3,325	22,522	3,710	22,655
333111G084	Other farm transportation equipment	19	(X)	a/ 45,634	(X)	b/ 43,671
333111G086	Attachments for farm transportation equipment	9	(X)	a/ 1,222	(X)	a/ 1,268
333111C232	Parts for farm transportation equipment, including operator cabs for farm tractors	35	(X)	(D)	(X)	(D)
333111G pt.	Irrigation systems	14	(X)	406,473	(X)	325,294
333111G088	Self-propelled irrigation systems, center-pivot (quantity is in ten-tower equivalents)	7	9,901	304,641	a/ 8,617	286,478
333111G092	All other systems using 100-feet flexible hose feeder line and over	9	(X)	101,832	(X)	38,816
333111C22V	Parts for irrigation systems, replacement units only	7	(X)	(D)	(X)	(D)
333111J	Commercial turf and grounds care equipment, including parts and attachments	(NA)	(X)	1,865,440	(X)	1,656,772
333111J pt.	Commercial turf and grounds mowing equipment	48	(X)	1,486,890	(X)	1,347,982
333111J001	Powered nonriding mowers	18	82,271	131,223	81,399	118,172
333111J006	Riding reel-type turf mowers, including greens mowers	7	a/ 19,889	302,802	b/ 20,663	b/ 311,657
333111J011	Riding rotary turf mowers	21	111,040	709,661	97,734	a/ 641,511
333111J016	Gang rotary cutting units, reel and rotary, individual sections	8	(D)	(D)	42,039	a/ 72,269
333111J021	Flail mower cutting units, including gang	6	(D)	(D)	1,755	10,320
333111J026	Other mowing equipment	11	(X)	59,766	(X)	a/ 35,670
333111J031	Parts for commercial turf and grounds mowing equipment	33	(X)	136,283	(X)	a/ 118,396
333111J036	Attachments for commercial turf and grounds mowing equipment	20	(X)	41,064	(X)	39,987
333111J pt.	Other commercial turf and grounds care equipment	48	(X)	378,550	(X)	308,790
333111J041	Sod cutters and sod harvesters	4	(D)	(D)	(D)	(D)
333111J046	Seeders, spreaders, and top dresser attachments	9	1,070,913	29,470	r/ 696,985	a/ r/ 22,945
333111J051	Aerators, spikers, and pluggers	17	18,856	45,117	11,972	28,773
333111J056	Dethatchers	11	8,754	6,315	r/ 6,785	4,936
333111J061	Power brooms, blowers, vacuums, and sweepers	15	18,071	25,514	19,381	23,915
333111J066	Irrigation systems (except agricultural and residential)	2	(D)	(D)	(D)	(D)
333111J071	Other commercial turf and grounds care equipment, including trap rakes, transport trailers and turf tractors and trucks	26	(X)	180,845	(X)	a/ r/ 137,621

Continued

Table 2. Manufacturers' Shipments of Farm Machinery and Lawn and Garden Equipment by Type: 2000 and 1999
[Quantity in units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2000 Quantity	2000 Value	1999 Quantity	1999 Value
333111J076	Parts for other commercial turf and ground care equipment	23	(X)	17,093	(X) a/	17,547
333111J081	Attachments for other commercial turf and ground care equipment	17	(X)	43,142	(X)	42,844
333112	Lawn and garden equipment	(NA)	(X)	6,479,171	(X)	6,471,443
3331121 pt.	Consumer nonriding lawn, garden, and snow equipment	44	(X)	2,713,815	(X)	2,833,031
	Lawnmowers:					
	Push-type: reel (powered and non-powered) rotary - gas powered	16	4,119,221	568,823	r/ 4,135,613	565,719
3331121006	Rotary, self-propelled, gas-powered	18	2,277,975	615,339	r/ 2,580,952	679,200
3331121021	Electric, all types, including battery-powered	5	(D)	(D)	(D)	(D)
3331121026	Rotary garden motor tillers	13	530,273	179,365	a/ r/ 474,693	194,080
3331121031	2-wheel tractors walking type (except rotary tillers)	2	(D)	(D)	(D)	(D)
	Snow throwers (snow blowers) (except attachment-type):					
3331121036	Single stage	8	b/ 486,710	b/ 137,925	b/ 402,551	a/ r/ 120,203
3331121041	Dual stage	9	b/ 439,633	a/ 247,622	b/ r/ 453,559	b/ 276,884
	Powered lawn edgers/trimmers:					
3331121046	Fixed blade	14	b/ 527,525	b/ 96,193	a/ r/ 1,101,441	a/ r/ 149,720
3331121051	Other than fixed blades	11	7,076,993	408,056	r/ 6,977,851	r/ 358,037
3331121056	Shredders and shredder-grinders	6	(D)	(D)	(D)	(D)
3331121061	Yard vacuums and blowers	9	2,327,552	156,616	r/ 2,842,310	r/ 191,548
3331121066	Other consumer nonriding lawn, garden, and snow equipment	16	(X)	c/ 198,649	(X)	c/ r/ 178,318
3331123 pt.	Consumer riding lawn, garden, and snow equipment	18	(X)	2,805,481	(X)	2,644,400
	Lawn tractors and riding mowers, front engine:					
3331123001	Under 10.0 hp (under 7.5 kW)	1	(D)	(D)	(D)	(D)
3331123011	l0.0 hp and over (7.5 kW and over)	9	1,610,912	1,904,830	a/ r/ 1,585,978	1,877,040
	Lawn tractors and riding mowers, rear engine:					
3331123021	Under 10.0 hp (under 7.5 kW)	5	(D)	(D)	(D)	(D)
3331123031	10.0 hp and over (7.5 kW and over)	12	126,402	201,232	a/ r/ 119,506	r/ 190,721
	Garden tractors:					
3331123041	Under 16.0 hp (under 12.0 kW)	6	9,204	27,390	c/ 7,982	26,957
3331123051	16.0 hp to 19.9 hp (12.0 kW to 14.9 kW)	6	46,545	143,180	r/ 55,810	163,271
333113061	20.0 hp and over (15.0 kW and over)	10	166,190	487,586	r/ 72,806	337,388
3331123071	Other consumer riding lawn, garden, and snow equipment	3	(X)	(D)	(X)	(D)
3331127 pt.	Parts and attachments for consumer lawn, garden, and snow equipment	(NA)	(X)	959,875	(X)	994,012
	Nonriding:					
3331127001	Parts	29	(X)	a/ 129,579	(X)	a/ r/ 168,133
3331127011	Attachments	12	(X)	43,736	(X)	a/ r/ 81,378
	Riding:					
	Parts:					
3331127021	For tractors and riding mowers	24	(X)	365,921	(X)	r/ 378,637
3331127031	For other equipment	8	(X)	a/ 6,445	(X)	c/ 9,645
	Attachments:					
3331127041	Rotary mower decks	12	(X)	107,430	(X)	a/ 133,725
3331127051	Rotary tiller attachments	9	(X)	(D)	(X)	b/ 12,913
3331127061	Blades, dozer	12	(X)	30,410	(X)	28,846
3331127071	Snow throwers	8	(X)	(D)	(X)	(D)
3331127081	Carts and wagons	10	(X)	29,253	(X)	(D)
3331127091	All other attachments	23	(X)	128,706	(X)	a/ r/ 125,577

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available. pt. Partial. r/Revised by 5 percent or more from previously published data. X Not applicable.

Note: Percent of estimation of each item is indicated as follows: a/10 to 25 percent of the item is estimated. b/26 to 50 percent of the item is estimated. c/Over 50 percent of item is estimated.

Continued

Table 3. Shipments, Exports, and Imports of Farm Machinery and Equipment: 2000 and 1999
[Quantity in units. Value in thousands of dollars]

Product description	Manufacturers' shipments		Exports of domestic merchandise 1/		Imports for consumption 2/		Apparent consumption	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
2000								
Farm-type wheel tractors	(D)	(D)	32,788	722,072	109,925	1,383,860	(D)	(D)
Sprayers and dusters (except aerial types)	(X)	531,395	(NA)	34,070	(NA)	29,419	(NA)	526,744
Planting machinery and fertilizer distributers, pull-type or mounted	(X)	704,966	18,739	64,688	133,695	33,603	(NA)	673,881
Disc harrows	11,766	61,120	1,096	5,841	67,563	2,113	78,233	57,392
Other harrows, rollers, pulverizers, and similar equipment	82,679	98,266	5,116	5,480	14,345	9,457	91,908	102,243
Combines	(D)	(D)	4,830	349,934	1,263	108,237	(D)	(D)
Other harvesting machines	15,679	495,024	2,407	52,456	5,755	44,756	19,027	487,324
Field forage harvesters	1,807	38,963	1,266	14,889	799	47,597	1,340	71,671
Hay mowers, mower-conditioners and windrowers	143,430	420,140	19,852	52,360	58,229	103,735	181,807	471,515
Other haymaking machines	(X)	(D)	2,106	24,808	7,016	14,529	(NA)	(D)
Balers, including pickup balers	19,392	320,055	10,990	92,296	2,661	15,558	11,063	243,317
Other plows	(X)	88,885	3,959	11,708	34,958	3,363	(NA)	80,540
Cultivators and weeders	12,416	64,335	14,792	18,308	203,368	35,844	200,992	81,871
Machinery for preparing animal feed	(D)	(D)	5,266	41,615	67,397	27,216	(D)	(D)
Other machines for preparing crops for market or for use	(D)	(D)	3,441	22,162	48,465	9,640	(D)	(D)
Farm poultry incubators and brooders	(NA)	63,438	26,960	13,950	38,648	2,760	(NA)	52,248
Nests and cages (poultry equipment	(X)	52,458	115,289	67,956	200,895	11,968	(NA)	(3,530)
Self-propelled irrigation systems, center-pivot	9,901	304,641	2,420	42,738	69	558	7,550	262,461
All other self-propelled irrigation systems using 100 feet flexible hose feeder line and over	22,670	101,832	(NA)	192,811	(NA)	21,242	(NA)	(69,737)
Farm wagons and other farm transportation equipment	41,193	156,453	-	-	102,351	12,652	143,544	169,105
Riding turf mowers and flail and gang mowers	(D)	(D)	18648	61,839	3,484	2,155	(D)	(D)
Snowblowers (snowthrowers)	926,343	385,547	69,200	38,339	12,751	10,130	869,894	357,338
Powered lawn and hedge trimmers	7,604,518	504,249	1,354,900	89,604	4,353,832	206,968	10,603,450	621,613
1999								
Farm-type wheel tractors	(D)	(D)	33,321	743,336	96,892	1,179,618	(D)	(D)
Sprayers and dusters (except aerial types)	(X) r/	474,835	(NA)	41,829	(NA)	22,415	(NA)	455,421
Planting machinery and fertilizer distributers, pull-type or mounted	(X)	627,029	18,682	61,996	230,532	39,396	(NA)	604,429
Disc harrows	11,293	56,813	800	5,221	72,685	3,987	83,178	55,579
Other harrows, rollers, pulverizers, and similar equipment	93,072	92,961	3,000	5,701	18,152	8,116	108,224	95,376
Combines	(D)	(D)	4,124	289,281	2,651	88,542	(D)	(D)
Other harvesting machines	14,379	447,026	3,295	64,209	5,360	40,643	16,444	423,460
Field forage harvesters	1,205	24,012	1,107	13,247	2,139	34,900	2,237	45,665
Hay mowers, mower-conditioners and windrowers	143,001	385,892	21,208	49,049	40,482	80,546	162,275	417,389
Other haymaking machines	(X) r/	56,431	2,056	39,832	8,386	15,012	(NA)	31,611
Balers, including pickup balers	15,959	273,400	3,829	57,799	2,057	12,939	14,187	228,540
Other plows	(X) r/	75,539	3,518	15,380	2,695	2,433	(NA)	62,592
Cultivators and weeders r/	11,470 r/	59,531	23,337	19,763	156,742	35,969	144,875	75,737
Machinery for preparing animal feed	(D)	(D)	4,515	31,566	484,919	24,143	(D)	(D)

Continued

Table 3. Shipments, Exports, and Imports of Farm Machinery and Equipment: 2000 and 1999
[Quantity in units. Value in thousands of dollars]

Product description	Manufacturers' shipments		Exports of domestic merchandise 1/		Imports for consumption 2/		Apparent consumption	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Other machines for preparing crops for market or for use.....	(D)	(D)	3,035	29,744	19,208	4,889	(D)	(D)
Farm poultry incubators and brooders.....	(NA)	51,425	13,553	19,832	73,264	5,575	(NA)	37,168
Nests and cages (poultry equipment	(X)	70,115	91,409	63,216	92,106	16,027	(NA)	22,926
Self-propelled irrigation systems, center-pivot.....	8,617	286,478	1,601	35,483	64	226	7,080	251,221
All other self-propelled irrigation systems using 100 feet flexible hose feeder line and over..... r/	7,274	38,816	(NA)	179,447	(NA)	20,077	(NA)	(120,554)
Farm wagons and other farm transportation equipment..... r/	42,481	152,827	-	-	72,065	10,053	114,546	162,880
Riding turf mowers and flail and gang mowers.....	162,191	1,035,757	20173	70,871	11,168	5,002	153,186	969,888
Snowblowers (snowthrowers)..... r/	856,110	r/ 397,087	74,080	41,818	20,840	13,771	802,870	369,040
Powered lawn and hedge trimmers.. r/	8,079,292	r/ 507,757	1,293,708	85,895	3,529,503	181,283	10,315,087	603,145

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available. r/Revised by 5 percent or more from previously published data. X Not applicable.

1/Source: Census Bureau report, EM 545, U.S. Exports.
2/Source: Census Bureau report, IM 145, U.S. Imports for Consumption.

Note: For comparison of North American Industry Classification System-based product codes, Schedule B export numbers, and HTSUSA import numbers, see Table 4.

Continued

Table 4. Comparison of North American Industrial Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Import Numbers: 2000

Product code	Product description	Export number 1/	Import number 2/
3331111001, 006, 3331123041, 051, 061	Farm-type wheel tractors	8701.90.1005 8701.90.1010 8701.90.1015 8701.90.1030 8701.90.1035 8701.90.1040 8701.90.1045 8701.90.1050 8701.90.1055 8701.90.1060 8701.90.1065 8701.90.1070	8701.90.1005 8701.90.1010 8701.90.1015 8701.90.1030 8701.90.1035 8701.90.1040 8701.90.1045 8701.90.1050 8701.90.1055 8701.90.1060 8701.90.1065 8701.90.1070
3331113016, 021, 024, 028, 032, 036, 041, 044, 048, 052, 056, 061, 064, 068, 072	Sprayers and dusters (except aerial types)	8424.81.1000 8424.81.9030	8424.81.1000 8424.81.9040 8424.81.9090
3331117001, 008, 011, 048	Planting machinery	8432.30.0010 8432.30.0090	8432.30.0010 8432.30.0090
3331117018, 021, 028, 031, 038, 041, 051	Fertilizer distributors pull-type or mounted	8432.40.0000	8432.40.0000
333111E041, 051, 058, 061, 069	Other harrows, rollers, pulverizers, and similar equipment	8432.29.0090	8432.29.0090
333111E049	Disc harrows	8432.21.0000	8432.21.0000
3331119001	Combines	8433.51.0010 8433.51.0090	8433.51.0010 8433.51.0090
3331119011, 021, 031, 071	Other harvesting machines	8433.52.0000 8433.59.0090 8433.53.0000	8433.52.0000 8433.59.0090 8433.53.0000
3331119041, 061	Field forage harvesters	8433.59.0010	8433.59.0010

Continued

Table 4. Comparison of North American Industrial Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Import Numbers: 2000

Product code	Product description	Export number 1/	Import number 2/
333111A001, 011, 333111G002, 004, 006, 008	Hay mowers, mower-conditioners and windrowers	8433.20.0020 8433.20.0040 8433.20.0060	8433.20.0020 8433.20.0040 8433.20.0060
333111A021, 041	Other haymaking machinery	8433.30.0000	8433.30.0000
333111A031	Balers, including pickup balers	8433.40.0000	8433.40.0000
333111E001, 009, 011, 019, 021, 059	Other plows	8432.10.0040 8432.10.0060	8432.10.0040 8432.10.0060
333111E079, 081, 089, 091	Cultivators and weeders	8432.29.0040 8432.29.0060 8432.29.0080	8432.29.0040 8432.29.0060 8432.29.0080
333111G012, 014, 016	Machinery for preparing animal feed	8436.10.0000	8436.10.0000
333111G024, 018, 022	Other machines for preparing crops for market or for use	8419.31.0000 8436.80.0060	8419.31.0000 8436.80.0060
333111G028, 032	Farm poultry incubators and brooders	8436.21.0000	8436.21.0000
333111G034	Nests and cages (poultry equipment)	8436.29.0000 8433.60.0000	8436.29.0000 8433.60.0000
333111G088	Self-propelled irrigation systems, center-pivot	8424.81.9010	8424.81.9010
333111G092	All other self-propelled irrigation systems using 100 feet flexible hose feeder line and over	8424.81.9020	8424.81.9020
333111G072, 074, 076, 078, 082, 084	Farm wagons and other farm transportation equipment	8716.80.1000	8716.80.1000
333111J001, 026	Other commercial and turf grounds mowers	8433.19.0040 8433.19.0050	8433.19.0040 8433.19.0050
333111J006, 011, 016	Riding turf mowers	8433.19.0010 8433.19.0030	8433.19.0010 8433.19.0030

Continued

Table 4. Comparison of North American Industrial Classification System-Based Product Codes with Schedule B Export Numbers, and HTSUSA Import Numbers: 2000

Product code	Product description	Export number 1/	Import number 2/
333111J021	Flail and gang mowers.....	8433.19.0020	8433.19.0020
3331121036, 041	Snowblowers (snowthrowers).....	8430.20.0060	8430.20.0060
3331121046, 051	Powered lawn and hedge trimmers.....	8467.89.5030 8508.80.0070	8467.89.5030 8508.80.0070

1/Source: 2000 edition, Harmonized System-based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Source: Harmonized Tariff Schedule of the United States, Annotated, (2000).

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