

U.S. Census Bureau
Farm Machinery and Lawn and Garden Equipment - 2008
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Address inquiries concerning these data to Investment Goods Industries Branch, U.S. Department of Commerce, Census Bureau, Manufacturing and Construction Division, Washington, DC 20233-6900, or call Wei Ouyang, 301-763-4203.

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Table 1. Value of Shipments of Farm Machinery and Lawn and Garden Equipment by Type of Equipment: 2004 to 2008 [Value in millions of dollars]

Product code	Product description	Year		Value
3331111	Wheel tractors (excluding contractors' off-highway wheel tractors, garden tractors, turf tractors, and motor tillers) and attachments	2008		(D)
		2007		(D)
		2006		(D)
		2005		(D)
		2004		(D)
3331114 (pt.)	Farm-type dairy machines and equipment	2008		168
		2007		153
		2006		(D)
		2005		143
		2004		121
3331114 (pt.)	Sprayers and dusters	2008	a/	1,334
		2007	c/	904
		2006		881
		2005		946
		2004		782
3331114 (pt.)	Farm blower	2008		12
		2007	a/	10
		2006		(D)
		2005		4
		2004		4
3331117	Planting, seeding, and fertilizing machinery	2008	c/	1,385
		2007	c/	1,056
		2006		943
		2005		1,110
		2004		1,206
3331119	Harvesting machinery	2008		3,869
		2007	r/	3,006
		2006		2,703
		2005		3,036
		2004		3,312
333111A	Haying machinery	2008	a/	1,648
		2007		(S)
		2006		1,132
		2005		1,189
		2004		1,180
333111E (pt.)	Plows (primary tillage equipment)	2008	a/	124
		2007	a/t/	75
		2006		(D)
		2005		(D)
		2004		101
333111E (pt.)	Harrows, rollers, pulverizers, and similar equipment (secondary tillage)	2008	b/	357
		2007	a/	245
		2006		227
		2005		310
		2004		279
333111E (pt.)	Cultivators and weeders secondary tillage	2008	c/	170
		2007	b/t/	119
		2006		(D)
		2005		(D)
		2004		126
333111G (pt.)	Machines for preparing crops for market or for use	2008	c/	464
		2007	a/t/	396
		2006		261
		2005		254
		2004		243
333111G (pt.)	Farm poultry equipment	2008	a/	325
		2007	a/	294
		2006		299
		2005		339
		2004		365
333111G (pt.)	Other barn and barnyard equipment	2008	b/	350
		2007	b/t/	328
		2006		292

		2005		244
		2004	a/	219
333111G (pt.)	Irrigation systems	2008	a/	663
		2007		(S)
		2006		359
		2005		759
		2004		787
333111G (pt.)	Hog equipment	2008	a/	176
		2007	c/t/	201
		2006		183
		2005		126
		2004		109
333111G (pt.)	Farm wagons, and other farm transportation equipment	2008	a/	234
		2007	c/	187
		2006		155
		2005		161
		2004		156
333111G (pt.)	Stalk shredders and cutters or rotary mowers (PTO)	2008		(S)
		2007	c/t/	234
		2006		235
		2005		241
		2004		262
333111J (pt.)	Commercial turf and grounds mowing equipment	2008		(S)
		2007	c/t/	2,077
		2006		1,791
		2005		1,968
		2004		1,710
333111J (pt.)	Other commercial turf and grounds care equipment	2008		(S)
		2007		(S)
		2006		406
		2005		381
		2004		382
3331121 (pt.)	Consumer nonriding lawn, garden, and snow equipment	2008	c/	2,804
		2007		(S)
		2006		2,794
		2005		3,057
		2004		2,967
3331123 (pt.)	Consumer riding lawn, garden, and snow equipment	2008		2,722
		2007		(S)
		2006		2,968
		2005		3,279
		2004		3,206
3331127 (pt.)	Parts and attachments for consumer nonriding lawn, garden, and snow equipment	2008	c/	173
		2007	c/	164
		2006		183
		2005		213
		2004		158
3331127 (pt.)	Parts and attachments for consumer riding lawn, garden, and snow equipment	2008	c/	529
		2007	b/	567
		2006		499
		2005		560
		2004		662
3339228 (pt.)	Farm elevators	2008		(S)
		2007	c/	43
		2006		35
		2005		42
		2004		39
333111C110	Parts for farm-type wheel tractors	2008		543
		2007		639
		2006		(D)
		2005		(D)
		2004		(D)
333111C (pt.)	Other parts for farm machinery	2008	c/	1,993
		2007	c/	1,400
		2006		(D)
		2005		(X)
		2004		(X)

Table 2. Manufacturers' Shipments of Farm Machinery and Lawn and Garden Equipment by Type: 2008 and 2007
 [Quantity in units. Value in thousands of dollars]

Product code	Product description	Year	No. of cos.	Quantity		Value	
3331111	Wheel tractors (excluding contractors' off-highway wheel tractors, garden tractors, turf tractors, and motor tillers) and attachments	2008	(X)	(X)		(D)	
		2007		(X)		(D)	
333111102	Farm-type wheel tractors, (PTO hp)	2008	6	(D)		(D)	
		2007		(D)		(D)	
333111111	Attachments for farm-type wheel tractors	2008	15	(X)		(S)	
		2007		(X)	r/	159,017	
3331114 (pt.)	Farm-type dairy machines and equipment	2008	(X)	(X)		167,523	
		2007		(X)		153,219	
3331114101	Milking machines, complete, including suspended and floor-type bucket, single, and double unit for mechanical installations	2008	3	(D)		(D)	
		2007		(D)		(D)	
3331114104	Pipeline milking units, complete, including claws, shells, inflations, air tubes, with or without pulsator for mechanical installations	2008	3	(D)		(D)	
		2007		(D)		(D)	
3331114106	Other farm dairy machines and equipment for mechanical installations	2008	10	(D)		(D)	
		2007		(D)		(D)	
3331114108	Attachments for farm dairy machines and equipment for mechanical installations	2008	5	(X)		(D)	
		2007		(X)		(D)	
3331114 (pt.)	Sprayers and dusters	2008	(X)	(X)	a/	1,333,691	
		2007		(X)	c/	904,014	
3331114116	Self-propelled field and row crop types of power sprayers	2008	9	7,039		991,572	
		2007		4,149		583,899	
3331114121	Tractor mounted field and row crop types of power sprayers	2008	18	c/	3,339	a/	62,033
		2007		b/r/	2,876	r/	46,267
3331114124	Other than tractor mounted, piston pump type, and power take-off driven types of power sprayers	2008	6	(D)		(D)	
		2007		(D)		(D)	
3331114128	Other than tractor mounted and nonpiston pump type of power sprayers	2008	13	c/	1,171	a/	11,616
		2007		b/r/	912	a/r/	7,022
3331114132	Other power sprayers over 4 g.p.m.	2008	3	(D)		(D)	
		2007		(D)		(D)	
3331114136	Power take-off driven and other than row crop and field types over 4 g.p.m. for power sprayers	2008	4	b/	315	b/	3,250
		2007		b/r/	386	b/r/	3,776
3331114141	Engine-driven and other than row crop and field types over 4 g.p.m. for power sprayers	2008	11	(S)	c/	7,325	
		2007		c/r/	807	c/r/	5,328
3331114144	Air carried type of power sprayers (field, row crop, and orchard types)	2008	3	(D)		(D)	
		2007		(S)		(S)	
3331114148	Portable foggers and mist sprayers	2008	4	(D)		(D)	
		2007		(D)		(D)	
3331114152	Hand-pulled and garden-type sprayers, 4 g.p.m. and under	2008	10	(S)		(S)	
		2007		r/	305,787	r/	43,506
3331114156	Agricultural hand sprayers under 1 gallon	2008	3	791,842		3,250	
		2007		825,643		3,420	
3331114161	Agricultural hand sprayers, compressed air or gas types, 1 gallon and over	2008	6	8,657,647	a/	124,478	
		2007		9,998,911	a/	128,483	
3331114164	Other agricultural hand sprayers, including knapsack, hose end and flame sprayers, and sprayer pump types, 1 gallon and over	2008	7	490,727		25,237	
		2007		b/r/	373,693		22,123
3331114168	All types of hand and power operated dusters	2008	6	a/	98,161	964	
		2007			65,102	841	

3331114172	All other sprayers	2008 2007	6		(X) (X)		(D) (D)
3331114176	Attachments for sprayers and dusters	2008 2007	14		(X) (X)		25,005 24,762
3331114 (pt.)	Farm blower	2008 2007	(X)		(X) (X)	a/	11,570 9,901
3331114192	Farm blowers, including forage blowers, combination grain and forage blowers	2008 2007	4		(D) (S)	r/	(D) 9,195
3331114194	Attachments for farm blowers	2008 2007	3		(X) (X)		(D) 706
3331117	Planting, seeding, and fertilizing machinery	2008 2007	(X)		(X) (X)	c/ c/	1,385,474 1,055,899
3331117101	Pull and mounted type corn planters, corn and cotton planters, and lister planters	2008 2007	7		(D) (D)		(D) (D)
3331117108	Grain drills (fixed frame) of all types	2008 2007	11	a/	5,912 4,372	r/	181,258 113,926
3331117111	Transplanters (pull-type or mounted) and broadcast seeders (end-gate, mounted and drawn)	2008 2007	5	b/ c/	6,619 5,566	b/ b/	5,097 4,412
3331117118	Dry fertilizer distributors (pull-type or mounted), including lime spreaders	2008 2007	27		(S) (S)	c/ c/r/	59,192 60,465
3331117121	Liquid fertilizer distributors (pull-type or mounted) and anhydrous ammonia	2008 2007	15	c/ b/	9,027 6,415	c/	42,989 33,784
3331117128	Rear discharge manure spreaders	2008 2007	16	b/	6,863 6,462	b/	70,359 58,857
3331117131	Side discharge manure spreaders	2008 2007	4		2,385 1,905		51,984 37,957
3331117138	Liquid manure pumps	2008 2007	7	c/ c/	758 613		3,321 2,522
3331117141	Farm-type manure and general utility front and rear tractor mounted loaders (excluding beet and sugar cane loaders)	2008 2007	11	c/ c/	31,023 40,939	a/ a/	105,379 114,084
3331117148	Row crop unit planters (quantity in rows)	2008 2007	11		(D) (D)		(D) (D)
3331117151	Other planting, seeding, and fertilizing machinery	2008 2007	22	a/ a/	26,332 21,771	a/ b/	253,839 224,912
3331117158	Attachments for planting, seeding, and fertilizing machinery	2008 2007	21		(X) (X)	a/	48,391 40,294
3331119	Harvesting machinery	2008 2007	(X)		(X) (X)	r/	3,868,826 3,006,210
3331119101	Combines (harvester-threshers) and grain-types only (self-propelled and pull-type)	2008 2007	8		(D) 10,426	r/	(D) 2,093,442
3331119111	Small grain header for combines, all sizes	2008 2007	5	a/	(D) 7,390		(D) 167,675
3331119121	Corn heads, all sizes	2008 2007	7		(D) (D)		(D) (D)
3331119131	Other grain-type combines	2008 2007	2		(D) (D)		(D) (D)
3331119141	Shear bar, self-propelled type, and pull-type (basic machines) for field forage harvesters	2008 2007	2		(D) (D)		(D) (D)
3331119151	Attachments for shear bar type field forage harvesters	2008 2007	1		(X) (X)		(D) (D)

3331119161	Flail-type (horizontal knives or vertical free-swinging knives or hammers), including discharge spouts	2008	4		96		1,454
		2007			152		2,126
3331119171	Other harvesting machinery, including potato diggers, cane harvesting equipment, and picker-shellers	2008	38	b/	3,294	a/	358,936
		2007		r/	4,018		492,523
3331119181	Attachments for harvesting machinery, including platform and seeder, reel, straw spreaders, load levelers, weed stripper, grate unit, knife grinders, and stalk walkers	2008	20		(X)		149,966
		2007			(X)		103,134
333111A	Haying machinery	2008	(X)		(X)	a/	1,647,546
		2007			(X)		(S)
333111A101	Mowers, cutter bar type, including drum and disk	2008	8		(D)		(D)
		2007			(D)		(D)
333111A111	Mower-conditioners and windrowers with conditioner auger and draper-type (pull-type and self-propelled)	2008	6	c/	19,135	b/	411,453
		2007		a/r/	16,631	b/r/	378,230
333111A121	Rakes, side delivery, cylinder type, and finger wheel type	2008	8	a/	7,718		53,329
		2007			(D)		(D)
333111A131	Hay balers, hay stackers, (field type), hay bale loaders, bale throwing attachments	2008	8		26,335		667,687
		2007			21,846	c/r/	604,354
333111A141	Other haying machinery	2008	17	a/	19,914		(S)
		2007		a/	24,078	c/r/	72,272
333111A151	Other attachments for haying machinery (stripper, bale chute and knife attachments)	2008	12		(X)		(D)
		2007			(X)		(D)
333111E (pt.)	Plows (primary tillage equipment)	2008	(X)		(X)	a/	123,744
		2007			(X)	a/r/	74,681
333111E101	Subsoilers, deep tillage	2008	23	b/	1,782	a/	17,399
		2007		a/	1,733		15,582
333111E109	Terracing and ditching plows	2008	8		(S)	c/	1,219
		2007			(S)		(S)
333111E111	Deep tillage pull-type chisel plows (chisel or sweep type)	2008	11		2,612		73,533
		2007		a/r/	1,303	r/	32,194
333111E119	Deep tillage mounted chisel plows (chisel or sweep type)	2008	9		369	b/	464
		2007		c/	551	c/	653
333111E121	Other plows (excluding snow plows)	2008	11	c/	2,397	a/	11,337
		2007		a/r/	2,152	r/	6,831
333111E159	Middlebusters and disc bedders	2008	13		(S)	a/	4,985
		2007		c/	2,401	a/	3,469
333111E131	Attachments for plows (coulters, jointers, root cutters, subsoilers, fertilizer distributors, etc.), excluding lister planting attachments	2008	18		(X)		12,960
		2007			(X)	r/	11,058
333111E139	Plowshares (quantity in thousands of pounds)	2008	6		(S)	c/	1,847
		2007			(S)	c/r/	1,703
333111E (pt.)	Harrows, rollers, pulverizers, and similar equipment (secondary tillage)	2008	(X)		(X)	b/	356,760
		2007			(X)	a/	244,725
333111E141	Spike-tooth harrow sections, spring-tooth, and tine-tooth harrow sections	2008	19		(S)	c/	20,040
		2007			(S)	c/	15,088
333111E149	Disc harrows, single, tandem, and offset	2008	22	a/	14,242		175,114
		2007		r/	13,667	r/	102,056
333111E151	Combination tillage equipment, roller/harrows, disc or coulters/field cultivators, disc or coulters/spring tooth	2008	21	c/	7,093		70,002
		2007		c/r/	5,108	a/r/	43,942
333111E158	Blade terracers or scrapers (farm-size)	2008	27	b/	21,892		23,359
		2007		b/	28,630	b/	24,480
333111E161	Land levelers	2008	15	b/	2,214		29,216

		2007			(D)		(D)
333111E169	Other harrows, rollers, pulverizers, and similar equipment	2008 2007	21	a/	7,696 7,682	a/	17,744 18,411
333111E171	Attachments for harrows, rollers, pulverizers, and similar equipment	2008 2007	16		(X) (X)	c/	21,285 (D)
333111E (pt.)	Cultivators and weeders secondary tillage	2008 2007	(X)		(X) (X)	c/ b/r/	169,843 118,733
333111E179	Corn and cotton type cultivators, shank and sweep type (front and rear mounted)	2008 2007	10		(S) (S)	b/ a/	4,060 3,196
333111E181	Rotary cultivators, ground and power driven	2008 2007	6		(D) (D)		(D) (D)
333111E189	Field cultivators	2008 2007	15		(D) (D)		(D) (D)
333111E191	Other cultivators and weeders, including tool bars (basic units)	2008 2007	15	c/ c/	4,335 3,199	a/	8,889 7,028
333111E199	Attachments for cultivators and weeders (front mounting frame, disc weeders, rear section, and drawbars)	2008 2007	16		(X) (X)	a/	58,361 (S)
333111G (pt.)	Machines for preparing crops for market or for use	2008 2007	(X)		(X) (X)	c/ a/r/	464,132 396,308
333111G112	Feed grinders and crushers, power	2008 2007	11	a/ a/	1,417 1,346	a/ a/	60,941 50,278
333111G114	Feed mixers, farm-size, stationary and portable	2008 2007	13		3,615 3,232	b/	106,324 88,987
333111G116	Combination grinder-mixers	2008 2007	2		(D) (D)		(D) (D)
333111G118	Heated air crop dryers (grain, hay, and seed)	2008 2007	12		(S) b/r/	r/	67,840 61,531
333111G122	Crop drying fans for grain, hay, and seed (over 15,000 c.f.m. at approximately 1-inch pressure)	2008 2007	6		(D) (D)		(D) (D)
333111G125	Other machines for preparing crops for market or for use (including cotton ginning machinery)	2008 2007	32	c/ a/	18,807 13,726	c/ a/r/	207,684 173,214
333111G126	Attachments for machines for preparing crops for market or for use	2008 2007	13		(X) (X)	b/	11,203 13,553
333111G (pt.)	Farm poultry equipment	2008 2007	(X)		(X) (X)	a/ a/	325,216 293,994
333111G128	Incubators (quantity represents egg capacity in thousands)	2008 2007	5	a/	461,389 (D)		(S) (D)
333111G132	Brooders, floor and hanging (gas, electric, oil, coal, wood, and battery)	2008 2007	9	c/ c/	160,327 202,503	a/ b/	33,258 34,237
333111G134	Nests and cages	2008 2007	6		(D) (D)		(D) (D)
333111G136	Poultry feeders (trough, hanging, and mechanical) and waterers (excluding turkey feeders and waterers)	2008 2007	12		(S) (S)	r/	100,217 89,690
333111G138	Other farm poultry equipment, including turkey waterers, mechanized egg graders, and egg washers	2008 2007	17		(D) (D)		(D) (D)
333111G142	Attachments for farm poultry equipment	2008 2007	11		(X) (X)		8,231 7,491
333111G (pt.)	Other barn and barnyard equipment	2008 2007	(X)		(X) (X)	b/ b/r/	349,966 328,394
333111G156	Silo and grain bin unloaders, including sealed storage unloaders (farm-type)	2008 2007	11		1,998 1,826	r/	29,390 24,580

333111G158	Cattle and dairy barn feeding equipment	2008	28		65,109		47,158
		2007			74,146		45,162
333111G162	Cattle and dairy barn handling equipment	2008	30		709,880		88,767
		2007		c/r/	931,534		91,721
333111G164	Cattle and dairy barn water equipment	2008	22		426,953	a/	39,547
		2007			470,672		42,715
333111G166	Other barn and barnyard equipment	2008	28		206,362		110,933
		2007		b/r/	134,648	r/	96,138
333111G168	Attachments for barn and barnyard equipment	2008	19		(X)		(S)
		2007			(X)		(S)
333111G (pt.)	Irrigation systems	2008	(X)		(X)	a/	662,989
		2007			(X)		(S)
333111G188	Self-propelled irrigation systems, center-pivot (quantity is in ten-tower equivalents)	2008	6	a/	14,335	a/	650,876
		2007		a/r/	10,901		(S)
333111G192	All other self propelled irrigation systems using 100-foot flexible hose feeder line and over	2008	7		(S)	b/	12,113
		2007			(S)		(S)
333111G (pt.)	Hog equipment	2008	(X)		(X)	a/	175,887
		2007			(X)	c/r/	201,300
333111G144	Feeding equipment	2008	23		(S)	a/	60,782
		2007		c/r/	79,332	r/	60,531
333111G146	Handling equipment	2008	8		(D)		(D)
		2007			(D)		(D)
333111G148	Watering equipment	2008	16		(D)		(D)
		2007			(D)		(D)
333111G152	Other hog equipment	2008	17		(D)		(D)
		2007			(S)	c/r/	84,374
333111G154	Attachments for hog equipment	2008	12		(X)	a/	1,684
		2007			(X)		1,809
333111G (pt.)	Farm wagons, and other farm transportation equipment	2008	(X)		(X)	a/	233,720
		2007			(X)	c/	187,368
333111G172	Wagons (chassis only) and trailer gears, excluding motor trucks, 4-wheel	2008	20	b/	18,149	a/	43,577
		2007		c/	16,624	c/	39,844
333111G174	Manual unloading or dump boxes and racks for mounting on wagons and trailer gears	2008	10	a/	2,101		11,264
		2007			(D)		(D)
333111G176	Gravity unloading and grain-type only boxes and racks for mounting on wagons and trailer gears	2008	8		5,946		12,747
		2007			(S)	b/	15,464
333111G178	Power unloading boxes and racks for mounting on wagons and trailer gears	2008	9		3,000		59,309
		2007		a/	2,558		37,010
333111G182	Grain and forage type boxes with integral running gear	2008	7		2,735		47,879
		2007			2,226		37,411
333111G184	Other farm transportation equipment	2008	19	c/	6,122	a/	52,761
		2007		c/r/	5,583	b/r/	43,899
333111G186	Attachments for farm transportation equipment	2008	9		(X)		6,183
		2007			(X)		(D)
333111G (pt.)	Stalk shredders and cutters or rotary mowers (PTO)	2008	(X)		(X)		(S)
		2007			(X)	c/r/	234,139
333111G102	Flail type (without spout)	2008	11		(S)	c/	31,512
		2007			(S)		(S)
333111G104	Horizontal blade type, 66 inches cutting width and under	2008	20		(S)	c/	45,376
		2007			(S)		(S)
333111G106	Horizontal blade type, over 66 inches up to 100 inches	2008	17	c/	38,809	c/	62,115

	cutting width	2007		c/	37,351	c/	55,867
333111G108	Horizontal blade type, over 100 inches cutting width	2008 2007	13	b/ c/	11,749 10,384	c/ c/r/	125,245 110,846
333111J (pt.)	Commercial turf and grounds mowing equipment	2008 2007	(X)		(X) (X)	(S) c/r/	(S) 2,077,490
333111J101	Powered nonriding mowers	2008 2007	14		58,188 76,454		125,117 133,827
333111J106	Riding reel-type turf mowers, including greens mowers	2008 2007	5		(D) (D)		(D) (D)
333111J111	Riding rotary turf mowers	2008 2007	22		178,404 190,741	a/ a/r/	1,353,939 1,211,200
333111J116	Gang rotary cutting units, reel and rotary, individual sections	2008 2007	6		(D) (D)		(D) (D)
333111J123	Other mowing equipment, including flail mower, cutting units, including gang	2008 2007	8		(S) (S)		(S) (S)
333111J131	Parts for commercial turf and grounds mowing equipment	2008 2007	33		(X) (X)	a/r/	196,730 196,828
333111J136	Attachments for commercial turf and grounds mowing equipment	2008 2007	21		(X) (X)	b/ a/	81,489 162,794
333111J (pt.)	Other commercial turf and grounds care equipment	2008 2007	(X)		(X) (X)		(S) (S)
333111J146	Seeders, spreaders, and top dresser attachments	2008 2007	14		(D) (D)		(D) (D)
333111J151	Aerators, spikers, and pluggers	2008 2007	13	c/ c/	14,729 20,733	b/	32,299 44,128
333111J156	Dethatchers	2008 2007	10		(D) (D)		(D) (D)
333111J161	Power brooms, blowers, vacuums, and sweepers	2008 2007	12	a/	19,872 16,782		29,151 29,639
333111J175	Other commercial turf and grounds care equipment including trap rakes, transport trailers, turf tractors and trucks, sod cutters and sod harvesters, and irrigation systems (excluding agricultural and residential)	2008 2007	25	a/	107,195 105,710		342,583 (S)
333111J176	Parts for other commercial turf and grounds care equipment	2008 2007	25		(X) (X)	c/r/	31,970 43,634
333111J181	Attachments for other commercial turf and grounds care equipment	2008 2007	16		(X) (X)	c/	62,933 (S)
3331121 (pt.)	Consumer nonriding lawn, garden, and snow equipment	2008 2007	(X)		(X) (X)	c/	2,804,460 (S)
3331121104	Reel (powered and nonpowered) and rotary lawnmowers, push-type, gas powered	2008 2007	12	r/	3,238,154 3,773,036		465,288 516,793
3331121106	Rotary self-propelled lawnmowers, gas-powered	2008 2007	14		2,132,218 2,423,072	a/	558,799 597,493
3331121121	Lawnmowers, electric, all types, including battery-powered	2008 2007	2		(D) (D)		(D) (D)
3331121126	Rotary garden motor tillers	2008 2007	13		366,499 (D)		103,313 (D)
3331121131	2-wheel tractors walking type (excluding rotary tillers)	2008 2007	4		(D) (S)		(D) (S)
3331121136	Single stage snow throwers (snow blowers) (excluding attachment-type)	2008 2007	7		434,778 306,181		158,182 107,052
3331121141	Dual stage snow throwers (snow blowers) (excluding	2008	6		493,713		276,717

	attachment-type)	2007			403,315		220,307
3331121146	Fixed blade powered lawn edgers/trimmers	2008	11	a/	894,285	b/	151,117
		2007		a/	1,015,121	b/	165,628
3331121151	Other than fixed blade powered lawn edgers/trimmers	2008	12	a/	5,786,015	c/	570,684
		2007		a/r/	6,362,952	b/r/	702,669
3331121156	Shredders and shredder-grinders	2008	7	b/	120,420	b/	35,843
		2007		b/	134,839	a/	37,927
3331121161	Yard vacuums and blowers	2008	11	a/	3,472,361	c/	339,858
		2007		a/	2,636,156	c/	279,456
3331121166	Other consumer nonriding lawn, garden, and snow equipment	2008	20		(S)		(S)
		2007		a/	1,251,768	c/	153,978
3331123 (pt.)	Consumer riding lawn, garden, and snow equipment	2008	(X)		(X)		2,722,284
		2007			(X)		(S)
3331123108	Front engine lawn tractors and riding mowers	2008	8		1,259,830		1,574,166
		2007			(S)		(S)
3331123125	Rear engine lawn tractors and riding mowers	2008	12		237,874		530,829
		2007		c/r/	236,342	c/r/	498,075
3331123141	Garden tractors, under 16.0 hp (under 12.0 kW)	2008	3		452		571
		2007			(D)		(D)
3331123155	Garden tractors, 16.0 hp and over (12.0 kW and over)	2008	6		(D)		(D)
		2007			(D)		(D)
3331123171	Other consumer riding lawn, garden, and snow equipment	2008	4		(D)		(D)
		2007			(D)		(D)
3331127 (pt.)	Parts and attachments for consumer nonriding lawn, garden, and snow equipment	2008	(X)		(X)	c/	172,958
		2007			(X)	c/	163,939
3331127101	Parts for consumer nonriding lawn, garden, and snow equipment	2008	29		(X)	b/	105,316
		2007			(X)	b/	94,444
3331127111	Attachments for consumer nonriding lawn, garden, and snow equipment	2008	11		(X)	c/	67,642
		2007			(X)		(S)
3331127 (pt.)	Parts and attachments for consumer riding lawn, garden, and snow equipment	2008	(X)		(X)	c/	528,745
		2007			(X)	b/	567,072
3331127121	Parts for consumer riding tractors and riding mowers	2008	18		(X)	b/	218,509
		2007			(X)	c/	224,312
3331127131	Parts for other consumer riding equipment	2008	4		(X)		4,497
		2007			(X)		3,968
3331127141	Attachments for consumer riding rotary mower decks	2008	7		(X)		(D)
		2007			(X)		(D)
3331127151	Attachments for consumer riding rotary tillers	2008	2		(X)		(D)
		2007			(X)		(D)
3331127161	Attachments for consumer riding blades and dozers	2008	8		(X)		18,690
		2007			(X)	r/	17,722
3331127171	Attachments for consumer riding snow throwers	2008	3		(X)		(D)
		2007			(X)		(D)
3331127181	Attachments for consumer riding carts and wagons	2008	6		(X)		34,557
		2007			(X)	r/	40,445
3331127191	All other attachments for consumer riding lawn, garden, and snow equipment	2008	18		(X)		143,659
		2007			(X)		161,735
3339228 (pt.)	Farm elevators	2008	(X)		(S)		(S)
		2007			(S)	c/	43,066
3339228653	Single and double chain for portable farm elevators	2008	9		(S)		(S)
		2007			(D)		(D)

3339228655	Auger types for portable farm elevators	2008	6	(S)		(S)
		2007		(S)	c/	18,199
3339228657	Other portable and stationary augers and farm elevators	2008	7	7,407		10,984
		2007		(D)		(D)
333111C110	Parts for farm-type wheel tractors	2008	18	(X)		542,821
		2007		(X)		639,112
333111C (pt.)	Other parts for farm machinery	2008	(X)	(X)	c/	1,992,821
		2007		(X)	c/	1,400,320
333111C221	Parts for farm dairy machines and equipment, replacement units only	2008	8	(X)		39,793
		2007		(X)		39,094
333111C223	Parts for sprayers and dusters, replacement units only	2008	24	(X)	b/	144,030
		2007		(X)	r/	112,154
333111C225	Parts for farm blowers	2008	5	(X)		(S)
		2007		(X)		1,572
333111C227	Parts for planting, seeding, and fertilizing machinery, replacement units only	2008	59	(X)		127,034
		2007		(X)		99,088
333111C229	Parts for harvesting machinery, replacement units only	2008	43	(X)		904,617
		2007		(X)		513,845
333111C22A	Parts for haying machinery, replacement units only	2008	25	(X)		170,746
		2007		(X)		140,054
333111C22B	Parts for plows (excluding plowshares) replacement units only	2008	20	(X)	a/	52,480
		2007		(X)	r/	34,875
333111C22D	Parts for harrows, rollers, pulverizers, and similar equipment, replacement units only	2008	35	(X)		68,647
		2007		(X)		52,267
333111C22E	Parts for cultivators and weeders, replacement units only	2008	26	(X)	a/	35,815
		2007		(X)	b/	33,652
333111C22G	Parts for machines for preparing crops for market or for use, replacement units only	2008	29	(X)	b/	70,519
		2007		(X)	a/	58,697
333111C22H	Parts for farm poultry equipment, replacement units only	2008	12	(X)		15,853
		2007		(X)		16,364
333111C22J	Parts for barn and barnyard equipment, replacement units only	2008	18	(X)		12,042
		2007		(X)		11,092
333111C22K	Parts for irrigation systems, replacement units only	2008	8	(X)		152,637
		2007		(X)	c/r/	118,823
333111C22L	Parts for hog equipment, replacement units only	2008	12	(X)		4,144
		2007		(X)		6,166
333111C22M	Parts for farm transportation equipment, including operator cabs for farm tractors	2008	27	(X)	b/	137,629
		2007		(X)	c/	110,779
333111C22N	Parts for stalk shredders, and cutters or rotary mowers (PTO), replacement units only	2008	27	(X)	c/	55,102
		2007		(X)	c/	51,798

Table 3. Shipments, Exports, and Imports of Farm Machinery and Equipment: 2008 and 2007
 [Quantity in units. Value in thousands of dollars]

Product code 1/	Product description	Year	Manufacturers' shipments		Exports of domestic merchandise 2/		Imports for consumption 3/			
			Quantity	Value	Quantity	Value	Quantity	Value		
33311000A	Farm-type wheel tractors 4/	2008	(D)	(D)	56,606	2,391,869	147,558	2,500,563		
		2007	(D)	(D)	42,755	1,641,558	156,645	2,312,270		
333111410T	Sprayers and dusters exclude aerial types) 4/	2008	(X)	1,308,686	(X)	268,797	(X)	83,922		
		2007	(X)	879,252	(X)	127,306	(X)	70,931		
333111710T	Planting machinery 4/	2008	(D)	(D)	22,985	237,795	120,725	76,934		
		2007	(D)	(D)	29,401	160,717	417,248	97,226		
333111710A	Fertilizer distributors, pull-type or mounted 4/	2008	c/	86,621	b/	587,063	5,731	34,749	183,440	59,448
		2007	c/	89,054	a/	532,581	29,401	160,717	417,248	97,226
333111E10T	Other harrows, rollers, pulverizers, and similar equipment	2008	c/	53,053		160,361	4,258	12,941	25,832	13,055
		2007		(D)	(D)	1,612	8,392	34,269	14,366	
333111E149	Disc harrows, single, tandem, and offset	2008	a/	14,242		175,114	3,488	43,714	32,982	23,777
		2007	r/	13,667	r/	102,056	2,537	28,050	10,832	15,930
3331119101	Combines (harvester-threshers), grain-types only (self-propelled and pull-type)	2008		(D)		(D)	8,041	1,049,055	2,077	101,960
		2007		10,426	r/	2,093,442	5,972	732,872	1,967	73,358
333111910T	Other harvesting machines	2008		(D)		(D)	3,622	94,107	34,884	107,375
		2007		(D)		(D)	3,047	86,491	8,904	73,116
333111910A	Field forage harvesters 4/	2008		(D)		(D)	1,067	17,514	583	85,949
		2007		(D)		(D)	482	8,115	665	61,493
333111000T	Hay mowers, mower-conditioners and windrowers	2008		(D)		(D)	21,569	72,462	50,754	164,645
		2007		(D)		(D)	17,134	69,283	39,787	141,773
333111A141	Other haying machinery	2008	a/	19,914		(S)	2,314	75,358	15,202	64,297
		2007	a/	24,078	c/r/	72,272	1,442	47,075	17,497	58,818
333111A131	Hay balers, hay stackers, (field type), hay bale loaders, bale throwing attachments	2008		26,335		667,687	8,722	153,191	1,731	48,322
		2007		21,846	c/r/	604,354	6,674	120,463	2,241	55,305
333111E121	Other plows (excluding snow plows)	2008	c/	2,397	a/	11,337	2,317	31,004	66,602	14,322
		2007	a/r/	2,152	r/	6,831	2,407	11,412	359,354	12,722
333111E10A	Cultivators and weeders	2008		(X)	c/	169,843	49,281	65,809	382,011	77,483
		2007		(X)	b/r/	118,733	26,082	42,635	325,611	76,095
333111G11T	Machinery for preparing animal feed	2008		(D)		(D)	3,125	56,871	172,384	65,030
		2007		(D)		(D)	2,894	52,358	108,737	57,342
333111G125	Other machines for preparing crops for market or for use (including cotton ginning)	2008	c/	18,807	c/	207,684	3,539	66,519	32,020	4,210
		2007	a/	13,726	a/r/	173,214	2,007	38,669	8,400	42,895

Table 3. Shipments, Exports, and Imports of Farm Machinery and Equipment: 2008 and 2007
 [Quantity in units. Value in thousands of dollars]

Product code 1/	Product description machinery)	Year	Manufacturers' shipments			Exports of domestic merchandise 2/		Imports for consumption 3/		
			Quantity		Value	Quantity	Value	Quantity	Value	
333111G10T	Farm poultry incubators and brooders	2008	b/	621,716	c/	58,219	36,425	29,318	67,904	3,868
		2007		(D)		(D)	16,168	26,093	36,070	7,995
333111G134	Nests and cages	2008		(D)		(D)	56,355	85,259	531,504	55,057
		2007		(D)		(D)	77,964	79,728	353,258	31,038
333111G188	Self-propelled irrigation systems, center-pivot (quantity is in ten-tower equivalents)	2008	a/	14,335	a/	650,876	3,981	156,970	4	761
		2007	a/tr/	10,901		(S)	2,258	85,693	41	270
333111G192	All other self-propelled irrigation systems using 100 feet flexible hose feeder line and over	2008		(S)	b/	12,113	(X)	372,110	(X)	476,336
		2007		(S)		(S)	(X)	267,903	(X)	82,205
333111G10A	Farm wagons and other farm transportation equipment 5/	2008		(X)	a/	233,720	(X)	(X)	231,697	22,121
		2007		(X)	c/	187,368	(X)	(X)	276,997	26,153
333111J10T	Other commercial and turf grounds mowers (including flail and gang mowers)	2008	a/	71,439	b/	169,899	399,026	155,669	344,591	20,760
		2007	a/	89,350	b/	178,833	421,705	160,226	219,740	15,446
333111J10A	Riding turf mowers	2008		(D)		(D)	17,388	117,433	5,941	10,051
		2007		(D)		(D)	14,326	110,359	10,399	6,802
333112110T	Snowblowers (snowthrowers)	2008		928,491		434,899	249,425	175,539	81,719	25,180
		2007		709,496		327,359	166,086	120,505	95,503	26,563
333112110A	Powered lawn and hedge trimmers	2008	a/	6,680,300	c/	721,801	1,173,306	168,806	2,777,865	205,072
		2007	a/tr/	7,378,073	b/tr/	868,297	1,044,795	139,480	3,303,995	227,839

Footnotes:

1/ For comparison of North American Industry Classification System (NAICS)-based product codes with Schedule B export codes and HTSUSA import codes, see Table 4.

2/ Source: Census Bureau report, EM 545, U.S. Exports.

3/ Source: Census Bureau report, IM 145, U.S. Imports for Consumption.

4/ These figures for manufacturers shipments exclude attachments and parts.

5/ These figures for manufacturers shipments include attachments.

Table 4. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 2008

Product code	Naics code	Product description	Export code 1/	Import code 2/
333110000A	3331111102	Farm-type wheel tractors	8701.90.1005	8701.90.1005
	3331123141		8701.90.1010	8701.90.1010
	3331123155		8701.90.1015	8701.90.1015
			8701.90.1030	8701.90.1030
			8701.90.1035	8701.90.1035
			8701.90.1040	8701.90.1040
			8701.90.1045	8701.90.1045
			8701.90.1050	8701.90.1050
			8701.90.1055	8701.90.1055
			8701.90.1060	8701.90.1060
			8701.90.1065	8701.90.1065
			8701.90.1070	8701.90.1070
	333111410T		3331114116	Sprayers and dusters (exclude aerial types)
3331114121		8424.81.9030	8424.81.9040	
3331114124			8424.81.9090	
3331114128				
3331114132				
3331114136				
3331114141				
3331114144				
3331114148				
3331114152				
3331114156				
3331114161				
3331114164				
3331114168				
3331114172				
333111710T	3331117101	Planting machinery	8432.30.0010	8432.30.0010
	3331117108		8432.30.0090	8432.30.0090
	3331117111			
	3331117148			
333111710A	3331117118	Fertilizer distributors pull-type or mounted	8432.40.0000	8432.40.0000

Table 4. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 2008

Product code	Naics code	Product description	Export code 1/	Import code 2/
	3331117121			
	3331117128			
	3331117131			
	3331117138			
	3331117141			
	3331117151			
333111E10T	333111E141 333111E151 333111E158 333111E161 333111E169	Other harrows, rollers, pulverizers, and similar equipment	8432.29.0090	8432.29.0090
333111E149	333111E149	Disc harrows, single, tandem, and offset	8432.21.0000	8432.21.0000
3331119101	3331119101	Combines (harvester-threshers), grain-types only (self-propelled and pull-type)	8433.51.0010 8433.51.0090	8433.51.0010 8433.51.0090
333111910T	3331119111 3331119121 3331119131 3331119171	Other harvesting machines	8433.52.0000 8433.59.0090 8433.53.0000	8433.52.0000 8433.59.0090 8433.53.0000
333111910A	3331119141 3331119161	Field forage harvesters	8433.59.0010	8433.59.0010
333111000T	333111A101 333111A111 333111G102 333111G104 333111G106 333111G108	Hay mowers, mower-conditioners and windrowers	8433.20.0020 8433.20.0040 8433.20.0060	8433.20.0020 8433.20.0040 8433.20.0060
333111A141	333111A141	Other haying machinery	8433.30.0000	8433.30.0000

Table 4. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 2008

Product code	Naics code	Product description	Export code 1/	Import code 2/
333111A131	333111A131	Hay balers, hay stackers, (field type), hay bale loaders, bale throwing attachments	8433.40.0000	8433.40.0000
333111E121	333111E121	Other plows (excluding snow plows)	8432.10.0040 8432.10.0060	8432.10.0040 8432.10.0060
333111E10A	333111E179 333111E181 333111E189 333111E191 333111E199	Cultivators and weeders	8432.29.0040 8432.29.0060 8432.29.0080	8432.29.0040 8432.29.0060 8432.29.0080
333111G11T	333111G112 333111G114 333111G116	Machinery for preparing animal feed	8436.10.0000	8436.10.0000
333111G125	333111G125	Other machines for preparing crops for market or for use (including cotton ginning machinery)	8419.31.0000 8436.80.0060	8419.31.0000 8436.80.0060
333111G10T	333111G128 333111G132	Farm poultry incubators and brooders	8436.21.0000	8436.21.0000
333111G134	333111G134	Nests and cages	8436.29.0000 8433.60.0010	8436.29.0000 8433.60.0000
333111G188	333111G188	Self-propelled irrigation systems, center-pivot (quantity is in ten-tower equivalents)	8424.81.9010	8424.81.9010
333111G192	333111G192	All other self-propelled irrigation systems using 100 feet flexible hose feeder line and over	8424.81.9020	8424.81.9020
333111G10A	333111G172	Farm wagons and other farm transportation		

Table 4. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 2008

Product code	Naics code	Product description	Export code 1/	Import code 2/
	333111G174 333111G176 333111G178 333111G182 333111G184 333111G186	equipment	(X)	8716.80.1000
333111J10T	333111J101 333111J123	Other commercial and turf grounds mowers (including flail and gang mowers)	8433.19.0040 8433.19.0050 8433.19.0020	8433.19.0040 8433.19.0050 8433.19.0020
333111J10A	333111J106 333111J111 333111J116	Riding turf mowers	8433.19.0010 8433.19.0030	8433.19.0010 8433.19.0030
333112110T	3331121136 3331121141	Snowblowers (snowthrowers)	8430.20.0060	8430.20.0060
333112110A	3331121146 3331121151	Powered lawn and hedge trimmers	8467.89.5030	8467.89.5030

Footnotes:

1/ Source: 2008 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, (2008).

Symbols:

- (D) - Withheld to avoid disclosing data of individual companies.
- (X) - Not applicable.
- (NA) - Not available.
- r/ - Revised by 5 percent or more from previously published data.
- (n.e.c.) - Not elsewhere classified.
- (n.s.k.) - Not specified by kind.
- (nehp) - Net engine horsepower
- (btuh) - British thermal units per hour
- (pt.) Part.
- Represents zero.

Estimation symbols - Percent of estimation for each item is indicated as follows:

- a/ - 10 to 19 percent of this item has been estimated.
- b/ - 20 to 29 percent of this item has been estimated.
- c/ - 30 to 49 percent of this item has been estimated.
- (S) - Withheld because estimates did not meet publication standards

HISTORICAL NOTE

The Census Bureau has collected data on farm machinery and equipment since 1920, and data on lawn and garden equipment since 1978.

Historical Current Industrial Reports data (called Facts for Industry before 1959) may be obtained from a Federal Depository Library. To locate a Federal Depository Library in your area, please visit <http://www.gpoaccess.gov/libraries.html>.