



Mushrooms

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Update Alert

Data for Agaricus and All mushrooms were updated in tables and text throughout the report.

All Mushroom Sales Exceed \$1 Billion in Value

Sales of the 2010-2011 United States mushroom crop totaled 862 million pounds, up 9 percent from the 2009-2010 season. Value of sales for the 2010-2011 United States mushroom crop is \$1.02 billion, up 10 percent from the previous season. The number of growers, at 282, is down 35 from last season. The average price is \$1.18 per pound, up 1 cent from a year ago.

Agaricus and Specialty Mushroom Number of Growers, Sales, Price, and – United States: 2008-2009, 2009-2010, and 2010-2011

Year	Growers ¹	All sales		
		Volume of sales	Price per pound ²	Value of sales
	(number)	(1,000 pounds)	(dollars)	(1,000 dollars)
2008-2009	289	819,775	1.170	958,896
2009-2010	317	792,493	1.170	923,889
2010-2011	282	861,792	1.180	1,016,256

¹ Number of growers counted once if growing both Agaricus and specialty mushrooms.

² Prices for mushrooms are the average prices producers receive at the point of first sale, commonly referred to as the average price as sold. For example, if in a given State, part of the fresh mushrooms are sold F.O.B. packed by growers, part are sold bulk to brokers or repackers, and some are sold retail at roadside stands, the mushroom average price as sold is a weighted average of the average price for each method of sale.

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Agaricus Mushroom Area, Sales, Price and Value – States and United States: 2008-2009, 2009-2010, and 2010-2011

State, region ¹ , and year	Area in production		Volume of sales	Price per pound ²	Value of sales
	Growing area	Total fillings			
	(1,000 square feet)	(1,000 square feet)	(1,000 pounds)	(dollars)	(1,000 dollars)
California					
2008-2009	3,914	20,543	123,919	1.630	202,599
2009-2010	2,787	17,967	111,672	1.640	182,629
2010-2011	2,803	18,815	117,879	1.660	195,908
Pennsylvania					
2008-2009	16,635	80,869	524,587	0.881	461,936
2009-2010	16,481	77,322	501,228	0.876	438,999
2010-2011	16,691	81,903	548,794	0.888	487,067
Washington					
2008-2009	310	1,146	12,744	1.680	21,357
2009-2010	310	1,146	12,970	1.690	21,952
2010-2011	310	1,146	12,430	1.650	20,530
Other States ³					
2008-2009	6,749	31,975	142,646	1.580	224,766
2009-2010	7,014	32,833	151,194	1.590	240,810
2010-2011	7,182	31,722	165,790	1.580	262,612
East					
2008-2009	18,047	92,151	569,947	0.926	527,847
2009-2010	18,113	90,053	553,285	0.931	515,177
2010-2011	18,213	92,760	612,717	0.943	578,050
Central					
2008-2009	3,178	15,302	74,355	1.700	126,107
2009-2010	3,201	15,332	77,354	1.730	133,707
2010-2011	3,180	15,787	80,742	1.740	140,351
West					
2008-2009	6,383	27,080	159,594	1.610	256,704
2009-2010	5,278	23,883	146,425	1.610	235,506
2010-2011	5,593	25,039	151,434	1.640	247,716
United States					
2008-2009	27,608	134,533	803,896	1.130	910,658
2009-2010	26,592	129,268	777,064	1.140	884,390
2010-2011	26,986	133,586	844,893	1.140	966,117

¹ Regions - East: Delaware, Florida, Maryland, New York, Pennsylvania, and Tennessee. Central: Illinois, Missouri, Oklahoma, Texas, and Wisconsin. West: California, Colorado, Hawaii, Montana, Oregon, Utah, and Washington.

² Prices for mushrooms are the average prices producers receive at the point of first sale, commonly referred to as the average price as sold. For example, if in a given State, part of the fresh mushrooms are sold F.O.B. packed by growers, part are sold bulk to brokers or repackers, and some are sold retail at roadside stands, the mushroom average price as sold is a weighted average of the average price for each method of sale.

³ For 2008-2009, Other States include Colorado, Delaware, Florida, Illinois, Missouri, Montana, New York, Oklahoma, Oregon, Tennessee, Texas, Utah, and Wisconsin. For 2009-2010, Other States include Colorado, Delaware, Florida, Illinois, Maryland, Missouri, Montana, New York, Oklahoma, Oregon, Tennessee, Texas, Utah, and Wisconsin. For 2010-2011, Other States include Colorado, Delaware, Florida, Hawaii, Illinois, Maryland, Missouri, Montana, New York, Oklahoma, Oregon, Tennessee, Texas, Utah, and Wisconsin.

**Agaricus Mushroom Sales, Price, and Value by Utilization – States, Regions, and United States:
2008-2009, 2009-2010, and 2010-2011**

Year, State, and region ¹	Fresh market			Processing		
	Volume of sales	Price per pound ²	Value of sales	Volume of sales	Price per pound ²	Value of sales
	(1,000 pounds)	(dollars)	(1,000 dollars)	(1,000 pounds)	(dollars)	(1,000 dollars)
2008-2009						
Pennsylvania	420,326	0.971	408,137	104,261	0.516	53,799
Other East	38,069	1.600	60,742	7,291	0.709	5,169
East total	458,395	1.020	468,879	111,552	0.529	58,968
Central total	64,995	1.810	117,524	9,360	0.917	8,583
California	121,932	1.650	201,188	1,987	0.710	1,411
Washington	12,684	1.680	21,309	60	0.800	48
Other West	22,322	1.440	32,121	609	1.030	627
West total	156,938	1.620	254,618	2,656	0.785	2,086
United States	680,328	1.240	841,021	123,568	0.564	69,637
2009-2010						
Pennsylvania	408,770	0.950	388,332	92,458	0.548	50,667
Other East	47,746	1.540	73,542	4,311	0.611	2,636
East total	456,516	1.010	461,874	96,769	0.551	53,303
Central total	69,967	1.810	126,563	7,387	0.967	7,144
California	109,689	1.650	180,987	1,983	0.828	1,642
Washington	12,640	1.720	21,741	330	0.640	211
Other West	21,143	1.430	30,307	640	0.966	618
West total	143,472	1.620	233,035	2,953	0.837	2,471
United States	669,955	1.230	821,472	107,109	0.587	62,918
2010-2011						
Pennsylvania	447,271	0.963	430,722	101,523	0.555	56,345
Other East	57,042	1.520	86,860	6,881	0.599	4,123
East total	504,313	1.030	517,582	108,404	0.558	60,468
Central total	73,218	1.820	132,974	7,524	0.980	7,377
California	113,865	1.690	192,432	4,014	0.866	3,476
Washington	12,055	1.680	20,252	375	0.740	278
Other West	20,599	1.500	30,911	526	0.698	367
West total	146,519	1.660	243,595	4,915	0.838	4,121
United States	724,050	1.230	894,151	120,843	0.596	71,966

¹ Regions - East: Delaware, Florida, Maryland, New York, Pennsylvania, and Tennessee. Central: Illinois, Missouri, Oklahoma, Texas, and Wisconsin. West: California, Colorado, Hawaii, Montana, Oregon, Utah, and Washington.

² Prices for mushrooms are the average prices producers receive at the point of first sale, commonly referred to as the average price as sold. For example, if in a given State, part of the fresh mushrooms are sold F.O.B. packed by growers, part are sold bulk to brokers or repackers, and some are sold retail at roadside stands, the mushroom average price as sold is a weighted average of the average price for each method of sale.

Agaricus Mushroom Number of Growers, Sales, Price, and Value – States, Regions, and United States: 2008-2009, 2009-2010, and 2010-2011

Year, State, and region ¹	Growers	All Sales		
		Volume of sales	Price per pound ²	Value of sales
	(number)	(1,000 pounds)	(dollars)	(1,000 dollars)
2008-2009				
Pennsylvania	71	524,587	0.881	461,936
Other East	8	45,360	1.450	65,911
East total	79	569,947	0.926	527,847
Central total	9	74,355	1.700	126,107
California	23	123,919	1.630	202,599
Washington	(³)	12,744	1.680	21,357
Other West	6	22,931	1.430	32,748
West total	29	159,594	1.610	256,704
United States	117	803,896	1.130	910,658
2009-2010				
Pennsylvania	70	501,228	0.876	438,999
Other East	8	52,057	1.460	76,178
East total	78	553,285	0.931	515,177
Central total	9	77,354	1.730	133,707
California	15	111,672	1.640	182,629
Washington	(³)	12,970	1.690	21,952
Other West	7	21,783	1.420	30,925
West total	22	146,425	1.610	235,506
United States	109	777,064	1.140	884,390
2010-2011				
Pennsylvania	69	548,794	0.888	487,067
Other East	9	63,923	1.420	90,983
East total	78	612,717	0.943	578,050
Central total	10	80,742	1.740	140,351
California	15	117,879	1.660	195,908
Washington	(³)	12,430	1.650	20,530
Other West	7	21,125	1.480	31,278
West total	22	151,434	1.640	247,716
United States	110	844,893	1.140	966,117

¹ Regions - East: Delaware, Florida, Maryland, New York, Pennsylvania, and Tennessee. Central: Illinois, Missouri, Oklahoma, Texas, and Wisconsin. West: California, Colorado, Hawaii, Montana, Oregon, Utah, and Washington.

² Prices for mushrooms are the average prices producers receive at the point of first sale, commonly referred to as the average price as sold. For example, if in a given State, part of the fresh mushrooms are sold F.O.B. packed by growers, part are sold bulk to brokers or repackers, and some are sold retail at roadside stands, the mushroom average price as sold is a weighted average of the average price for each method of sale.

³ Data included in Other West to avoid disclosing data for individual operations.

Agaricus Mushroom Yield and Dollar Volume per Square Foot of Growing Area – States, Regions, and United States: 2008-2009, 2009-2010, and 2010-2011

State and region ¹	Yield per square foot		
	2008-2009 (pounds)	2009-2010 (pounds)	2010-2011 (pounds)
Pennsylvania	6.49	6.48	6.70
East	6.18	6.14	6.61
Central	4.86	5.05	5.11
California	6.03	6.22	6.27
Washington	11.12	11.32	10.85
West	5.89	6.13	6.05
United States	5.98	6.01	6.32
	Dollar volume per square foot		
	(dollars)	(dollars)	(dollars)
Pennsylvania	5.71	5.68	5.95
East	5.73	5.72	6.23
Central	8.24	8.72	8.89
California	9.86	10.16	10.41
Washington	18.64	19.16	17.91
West	9.48	9.86	9.89
United States	6.77	6.84	7.23

¹ Regions - East: Delaware, Florida, Maryland, New York, Pennsylvania, and Tennessee. Central: Illinois, Missouri, Oklahoma, Texas, and Wisconsin. West: California, Colorado, Hawaii, Montana, Oregon, Utah, and Washington.

Brown Mushrooms (Portabello and Crimini) Number of Growers, Volume of Sales, and Value – Regions and United States: 2008-2009, 2009-2010, and 2010-2011

[Brown mushrooms are part of Agaricus mushrooms]

Region ¹ and year	Growers	Volume of sales	Value	Region ¹ and year	Growers	Volume of sales	Value
	(number)	(1,000 pounds)	(1,000 dollars)		(number)	(1,000 pounds)	(1,000 dollars)
East				West			
2008-2009	26	81,836	88,121	2008-2009	15	19,673	43,131
2009-2010	28	86,977	92,477	2009-2010	15	22,445	48,550
2010-2011	29	98,689	105,375	2010-2011	16	25,872	57,841
Central				United States			
2008-2009	8	9,552	24,159	2008-2009	49	111,061	155,411
2009-2010	8	10,884	27,023	2009-2010	51	120,306	168,050
2010-2011	7	12,678	29,485	2010-2011	52	137,239	192,701

¹ Regions - East: Delaware, Florida, New York, Pennsylvania, and Tennessee. Central: Illinois, Missouri, Oklahoma, Texas, and Wisconsin. West: California, Colorado, Hawaii, Montana, Oregon, Utah, and Washington.

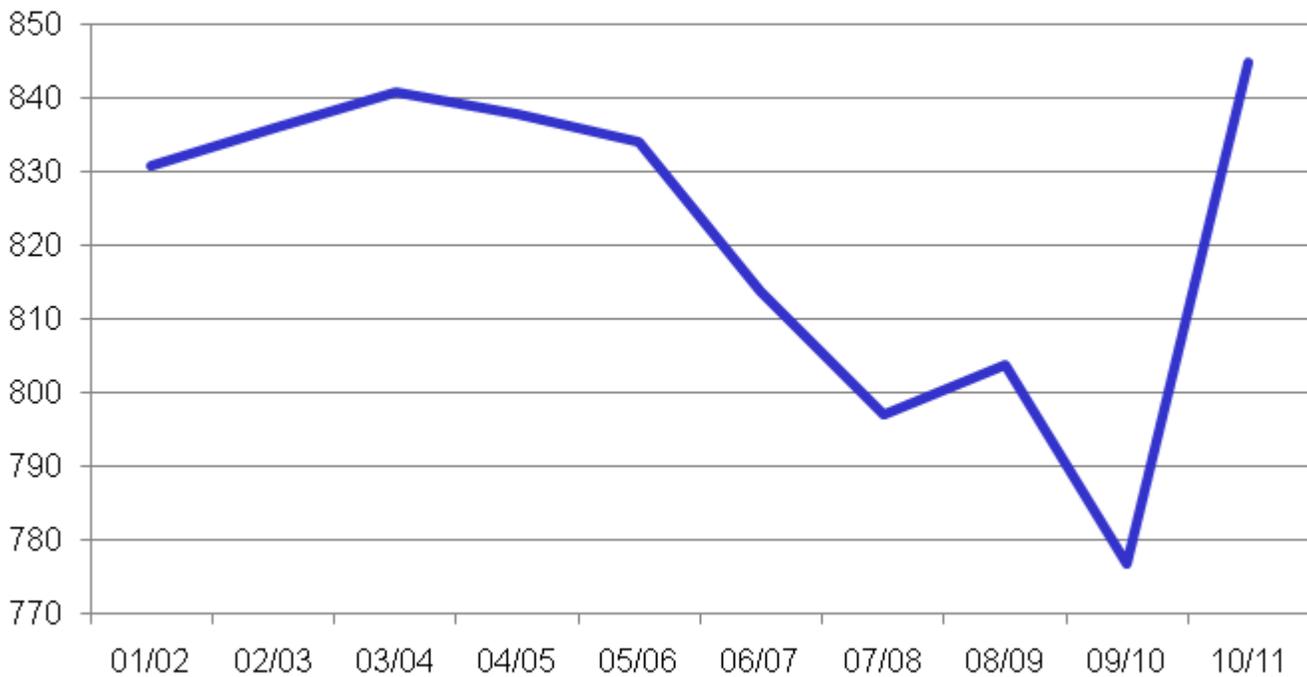
Agaricus Mushroom Sales and Percent of Total – United States: 2001-2011

[This table represents volume of sales at point of first sale. Mushrooms sold for fresh use, but used for processing are included under fresh market volume of sales]

Year	Fresh market		Processing		Total volume of sales (1,000 pounds)
	Volume of sales (1,000 pounds)	Percent	Volume of sales (1,000 pounds)	Percent	
2001-2002	689,968	83	141,139	17	831,107
2002-2003	697,248	83	139,150	17	836,398
2003-2004	703,496	84	137,666	16	841,162
2004-2005	696,319	83	141,764	17	838,083
2005-2006	704,584	85	129,093	15	833,677
2006-2007	696,709	86	117,140	14	813,849
2007-2008	679,686	85	117,662	15	797,348
2008-2009	680,328	85	123,568	15	803,896
2009-2010	669,955	86	107,109	14	777,064
2010-2011	724,050	86	120,843	14	844,893

Agaricus Mushroom Volume of Sales - United States

Million pounds



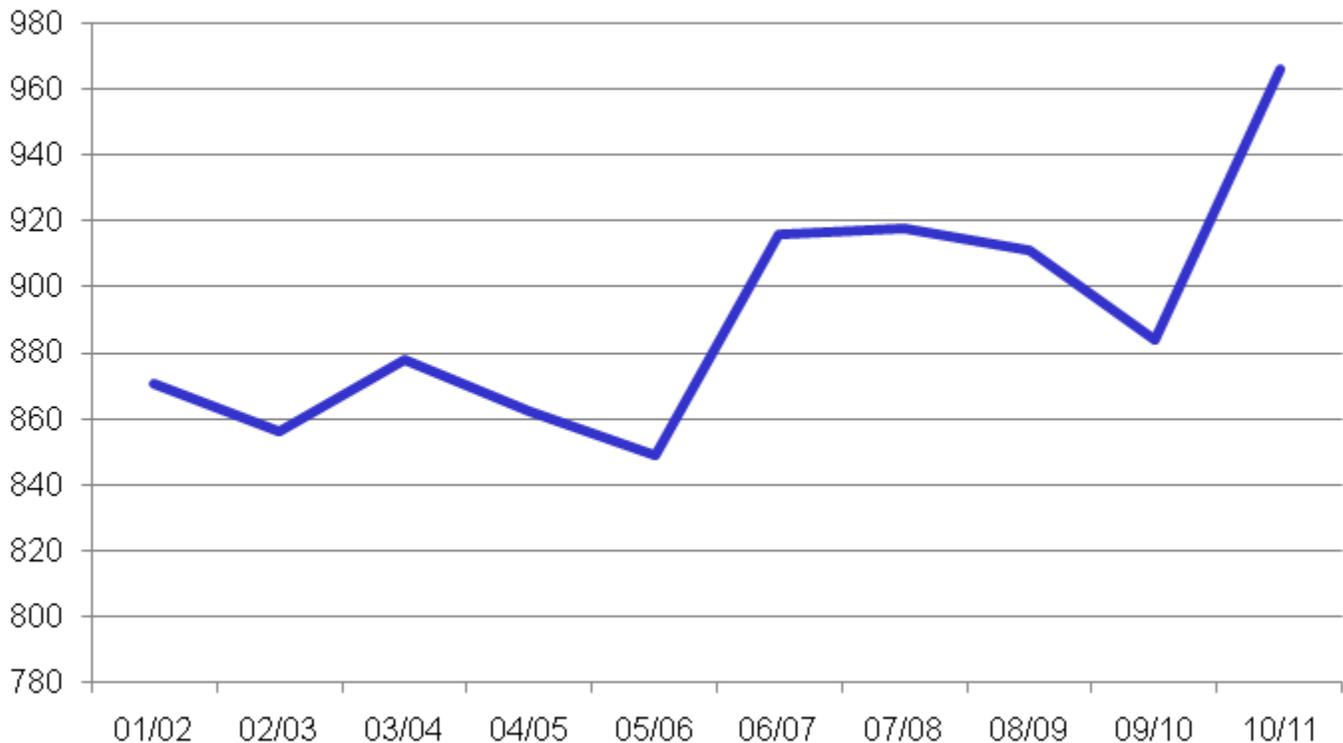
Agaricus Mushroom Price and Value by Utilization – United States: 2001-2011

Year	Fresh market		Processing		All sales	
	Price ¹ per pound	Value of sales	Price ¹ per pound	Value of sales	Price ¹ per pound	Value of sales
	(dollars)	(1,000 dollars)	(dollars)	(1,000 dollars)	(dollars)	(1,000 dollars)
2001-2002	1.150	796,522	0.525	74,051	1.050	870,573
2002-2003	1.120	778,307	0.558	77,676	1.020	855,983
2003-2004	1.140	805,200	0.532	73,205	1.040	878,405
2004-2005	1.140	796,493	0.463	65,699	1.030	862,192
2005-2006	1.130	793,538	0.428	55,298	1.020	848,836
2006-2007	1.210	840,560	0.640	75,001	1.120	915,561
2007-2008	1.240	841,753	0.645	75,854	1.150	917,607
2008-2009	1.240	841,021	0.564	69,637	1.130	910,658
2009-2010	1.230	821,472	0.587	62,918	1.140	884,390
2010-2011	1.230	894,151	0.596	71,966	1.140	966,117

¹ Prices for mushrooms are the average prices producers receive at the point of first sale, commonly referred to as the average price as sold. For example, if in a given State, part of the fresh mushrooms are sold F.O.B. packed by growers, part are sold bulk to brokers or repackers, and some are sold retail at roadside stands, the mushroom average price as sold is a weighted average of the average price for each method of sale

Agaricus Mushroom Value of Sales - United States

Million dollars



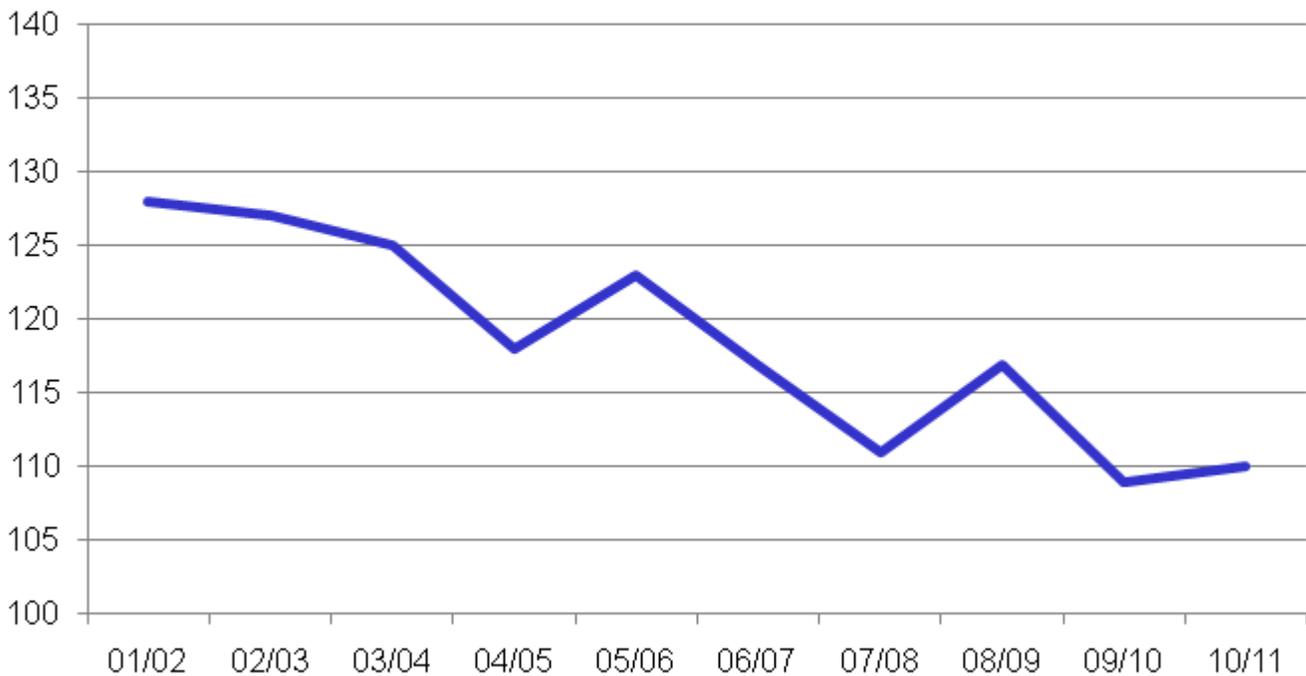
Agaricus Mushroom Number of Growers, Area in Production, Yield, and Dollar Volume per Square Foot – United States: 2001-2011

Year	Growers ¹	Area in production	Yield per square foot	Dollar volume per square foot
	(number)	(1,000 square feet)	(pounds)	(dollars)
2001-2002	128	140,822	5.90	6.18
2002-2003	127	141,844	5.90	6.03
2003-2004	125	146,510	5.74	6.00
2004-2005	118	143,093	5.86	6.03
2005-2006	123	142,550	5.85	5.95
2006-2007	117	145,743	5.58	6.28
2007-2008	111	136,011	5.86	6.75
2008-2009	117	134,533	5.98	6.77
2009-2010	109	129,268	6.01	6.84
2010-2011	110	133,586	6.32	7.23

¹ Estimates are based on growers with sales and include all known growing facilities.

Agaricus Mushroom Number of Growers - United States

Number



Agaricus Mushroom Growing Area Intended for Production by Utilization – States, Regions, and United States: July 2011-June 2012

State and region ¹	Intentions July 2011 - June 2012			
	Fresh market	Processed market	Total fillings	Percent of last year
	(1,000 square feet)	(1,000 square feet)	(1,000 square feet)	(percent)
California	18,477	320	18,797	100
Pennsylvania	74,751	6,206	80,957	99
Washington	1,146	-	1,146	100
Other States ²	31,765	1,128	32,093	101
East	85,360	7,118	92,478	100
Central	(D)	(D)	15,787	100
West	(D)	(D)	25,528	102
United States	126,139	7,654	133,793	100

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

¹ Regions - East: Delaware, Florida, Maryland, New York, Pennsylvania, and Tennessee. Central: Illinois, Missouri, Oklahoma, Texas, and Wisconsin. West: California, Colorado, Hawaii, Montana, Oregon, Utah, and Washington.

² Other States include Colorado, Delaware, Florida, Hawaii, Illinois, Maryland, Missouri, Montana, New York, Oklahoma, Oregon, Tennessee, Texas, Utah, and Wisconsin.

Agaricus Mushroom Number of Growers by Sales Category – United States: 2009-2010 and 2010-2011

Sales categories (million pounds)	Number of growers	
	2009-2010	2010-2011
	(number)	(number)
Over 20.0	8	10
10.0 - 19.9	17	20
5.0 - 9.9	16	11
2.5 - 4.9	21	25
1.0 - 2.4	29	24
0.5 - 1.0	1	3
Less than 0.5	17	17

Specialty Mushroom Number of Growers, Total Production, Volume of Sales, Price, and Value of Sales by Variety – United States: 2008-2009, 2009-2010, and 2010-2011

[Specialty mushroom estimates represent growers who have at least 200 natural wood logs in production or some commercial indoor growing area, and \$200 in sales]

Year and variety	Growers ¹	Total production ²	All sales		
			Volume of sales ³	Price per pound ⁴	Value of sales
	(number)	(1,000 pounds)	(1,000 pounds)	(dollars)	(1,000 dollars)
2008-2009					
Shiitake	166	9,715	9,458	3.19	30,146
Oyster	67	5,384	5,057	2.46	12,448
Other	27	1,605	1,364	4.14	5,644
Total ⁵	188	16,704	15,879	3.04	48,238
2009-2010					
Shiitake	185	6,684	6,417	2.75	17,650
Oyster	80	6,294	5,840	2.56	14,940
Other	27	3,434	3,172	2.18	6,909
Total ⁵	221	16,412	15,429	2.56	39,499
2010-2011					
Shiitake	152	6,702	6,420	2.99	19,223
Oyster	82	8,196	7,739	2.37	18,366
Other	24	3,276	2,740	4.58	12,550
Total ⁵	197	18,174	16,899	2.97	50,139

¹ Growers counted only once for United States total if growing more than one specialty type mushroom. Growers growing Agaricus and specialty mushrooms are included.

² Total production includes all fresh market and processing sales plus amount harvested but not sold (shrinkage, cullage, dumped, etc.).

³ Virtually all specialty mushroom sales are for fresh market.

⁴ Prices for mushrooms are the average prices producers receive at the point of first sale, commonly referred to as the average price as sold. For example, if in a given State, part of the fresh mushrooms are sold F.O.B. packed by growers, part are sold bulk to brokers or repackers, and some are sold retail at roadside stands, the mushroom average price as sold is a weighted average of the average price for each method of sale.

⁵ 2008-2009: Arkansas, California, Connecticut, Delaware, Florida, Hawaii, Illinois, Indiana, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, New Hampshire, New York, North Carolina, Ohio, Oregon, Pennsylvania, South Carolina, Tennessee, Texas, Virginia, Washington, West Virginia, and Wisconsin.

2009-2010: Arkansas, California, Connecticut, Florida, Hawaii, Illinois, Indiana, Kansas, Kentucky, Maine, Massachusetts, Michigan, Minnesota, Missouri, Montana, New York, North Carolina, Ohio, Oregon, Pennsylvania, South Carolina, Tennessee, Texas, Vermont, Virginia, Washington, West Virginia, and Wisconsin.

2010-2011: Arkansas, California, Colorado, Florida, Georgia, Hawaii, Illinois, Indiana, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, New York, North Carolina, Ohio, Oregon, Pennsylvania, South Carolina, Tennessee, Texas, Vermont, Virginia, Washington, West Virginia, and Wisconsin.

Specialty Mushroom Area in Production by Variety – United States: 2008-2009, 2009-2010, and 2010-2011

[Specialty mushroom estimates represent growers who have at least 200 natural wood logs in production or some commercial indoor growing area, and \$200 in sales]

Year and variety	Area in production		
	Natural wood outdoor logs	Natural wood undercover and indoor logs	All other production media
	(1,000 logs)	(1,000 logs)	(1,000 square feet)
2008-2009			
Shiitake ¹	107	88	1,317
Oyster	(X)	(X)	648
Other	(X)	(X)	474
Total ²	107	88	2,439
2009-2010			
Shiitake ¹	117	87	1,246
Oyster	(X)	(X)	638
Other	(X)	(X)	360
Total ²	117	87	2,244
2010-2011			
Shiitake ¹	126	72	1,195
Oyster	(X)	(X)	791
Other	(X)	(X)	332
Total ²	126	72	2,318

(X) Not applicable.

¹ Includes small quantity of logs producing Oyster and Other mushrooms. These logs are not published separately to avoid disclosure of individual operations.

² 2008-2009: Arkansas, California, Connecticut, Delaware, Florida, Hawaii, Illinois, Indiana, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, New Hampshire, New York, North Carolina, Ohio, Oregon, Pennsylvania, South Carolina, Tennessee, Texas, Virginia, Washington, West Virginia, and Wisconsin.

2009-2010: Arkansas, California, Connecticut, Florida, Hawaii, Illinois, Indiana, Kansas, Kentucky, Maine, Massachusetts, Michigan, Minnesota, Missouri, Montana, New York, North Carolina, Ohio, Oregon, Pennsylvania, South Carolina, Tennessee, Texas, Vermont, Virginia, Washington, West Virginia, and Wisconsin.

2010-2011: Arkansas, California, Colorado, Florida, Georgia, Hawaii, Illinois, Indiana, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, New York, North Carolina, Ohio, Oregon, Pennsylvania, South Carolina, Tennessee, Texas, Vermont, Virginia, Washington, West Virginia, and Wisconsin.

Agaricus Mushrooms

Agaricus mushroom volume of sales totaled 845 million pounds, up 9 percent from the 2009-2010 season. Pennsylvania accounted for 65 percent of the total volume of sales and second-ranked California contributed 14 percent. The value of the Agaricus crop was estimated at \$966 million dollars, up 9 percent from the 2009-2010 season. Brown mushrooms, including Portabello and Crimini varieties, accounted for 137 million pounds, up 14 percent from last season. Brown mushrooms accounted for 16 percent of the total Agaricus volume sold and 20 percent of the total Agaricus value.

The total number of Agaricus growers in the United States, at 110, is one more grower than last season. Growers with sales exceeding 10 million pounds accounted for 74 percent of United States Agaricus production, or 629 million pounds.

United States fresh market production of Agaricus mushrooms totaled 724 million pounds, up 8 percent from the previous season, while processed production, at 121 million pounds, is 13 percent above the previous season. Growers reported United States fresh market production made up 86 percent of total sales volume while processed production represented the remaining 14 percent. Grower total filling intentions for the 2011-2012 crop are 134 million square feet, virtually unchanged from the total fillings in the 2010-2011 season.

The 61 growers of Agaricus mushrooms in Chester County, Pennsylvania produced 402 million pounds of Agaricus mushrooms, an increase of 15 percent compared with the 2009-2010 growing season. This production was valued at \$365 million, up 19 percent from the previous year. The growing area in Chester County was 12.9 million square feet, up 12 percent from 2009-2010. Total fillings were 61.3 million square feet, up 15 percent from 2009-2010.

Specialty Mushrooms - Shiitake, Oyster, and all Other Exotics

Value of sales for commercially grown specialty mushrooms in 2010-2011 totaled 50.1 million, up 27 percent from the 2009-2010 season. A specialty grower is defined as having at least 200 natural wood logs in production or some commercial indoor growing area, and \$200 dollars or more in sales. The average price per pound received by growers, at \$2.97, is up 41 cents from the previous season.

Certified Organic Agaricus and Specialty Mushrooms

Growers produced 31.2 million pounds of mushrooms that were certified organic during the 2010-2011 growing season, 4 percent above 2009-2010. Fifty-seven percent of the total, or 17.6 million pounds, were sold as certified organic mushrooms. This percentage is equal to the 2009-2010 crop year. Agaricus mushrooms accounted for 67 percent of the mushrooms sold as certified organic, while all specialty mushrooms made up the remainder. The total certified organic sales of all mushrooms represent 2 percent of the 2010-2011 total mushroom sales. The number of certified organic mushroom growers totaled 46, down 5 growers from the previous season. These growers represent 16 percent of the 282 total mushroom producers.

Statistical Methodology

Survey procedures: Grower surveys are conducted in preparation for this report. All known commercial mushroom producers are contacted utilizing mail, telephone, and personal enumeration. Unless other specific arrangements are made, data collection for multi-State operations is conducted by the State in which the firm's headquarters is located. Information is collected for Agaricus (including White Button, Crimini, and Portabello) and specialty mushrooms.

Estimating procedures: Information obtained from the mushroom grower surveys is used to establish estimates of number of growers, area in production, yield per square foot, utilization, volume of sales, average price per pound, and value of sales. Estimates are also prepared for the total amount of mushrooms grown as certified organic, quantity sold from mushrooms certified as organically produced and the number of certified organic growers.

Revision policy: All mushroom estimates, except intentions, are subject to revision the following year based on a thorough review of all available data.

Reliability: The mushrooms grower surveys are subject to non-sampling errors, such as omissions, duplication, and mistakes in reporting, recording, and processing the data. These errors cannot be measured directly, but are minimized through rigid quality controls in the data collection process and a careful review of all reported data for consistency and reasonableness.

Information Contacts

Listed below are the commodity statisticians in the Crops Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@nass.usda.gov

Lance Honig, Chief, Crops Branch.....	(202) 720-2127
Jorge Garcia-Pratts, Head, Fruits, Vegetables and Special Crops Section.....	(202) 720-2127
Debbie Flippin – Fresh and Processing Vegetables, Onions, Strawberries	(202) 720-2157
Fred Granja – Apples, Apricots, Cherries, Plums, Prunes, Tobacco	(202) 720-4288
Chris Hawthorn – Citrus, Coffee, Grapes, Sugar Crops, Tropical Fruits	(202) 720-5412
Dave Losh – Hops.....	(360) 709-2400
Dan Norris – Austrian Winter Peas, Dry Edible Peas, Lentils, Mints, Mushrooms, Peaches, Pears, Wrinkled Seed Peas, Dry Beans	(202) 720-3250
Daphne Schauber – Berries, Cranberries, Potatoes, Sweet Potatoes	(202) 720-4285
Erika White – Floriculture, Maple Syrup, Nursery, Tree Nuts	(202) 720-4215

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For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: nass@nass.usda.gov.

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