



# Mushrooms

ISSN: 1949-1530

Released August 20, 2012, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

## All Mushroom Sales Exceed \$1 Billion in Value

Sales of the 2011-2012 United States mushroom crop totaled 900 million pounds, up 4 percent from the 2010-2011 season. Value of sales for the 2011-2012 United States mushroom crop is \$1.10 billion, up 8 percent from the previous season. The number of growers, at 279, is down 9 from last season. The average price is \$1.22 per pound, up 4 cents from a year ago.

### Agaricus and Specialty Mushroom Number of Growers, Sales, Price, and Value – United States: 2009-2010, 2010-2011, and 2011-2012

Year	Growers <sup>1</sup> (number)	All sales		
		Volume of sales (1,000 pounds)	Price per pound <sup>2</sup> (dollars)	Value of sales (1,000 dollars)
2009-2010 .....	317	792,493	1.170	923,889
2010-2011 .....	288	863,762	1.180	1,017,884
2011-2012 .....	279	899,928	1.220	1,099,096

<sup>1</sup> Number of growers counted once if growing both Agaricus and specialty mushrooms.

<sup>2</sup> 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.

**This page intentionally left blank.**

## Contents

Agaricus Mushroom Area, Sales, Price, and Value – States, Regions, and United States: 2009-2010, 2010-2011, and 2011-2012 .....	4
Agaricus Mushroom Sales, Price, and Value by Utilization – States, Regions, and United States: 2009-2010, 2010-2011, and 2011-2012 .....	5
Agaricus Mushroom Number of Growers, Sales, Price, and Value – States, Regions, and United States: 2009-2010, 2010-2011, and 2011-2012 .....	6
Agaricus Mushroom Yield and Dollar Volume per Square Foot of Growing Area – States, Regions, and United States: 2009-2010, 2010-2011, and 2011-2012 .....	7
Brown Mushrooms (Portabello and Crimini) Number of Growers, Sales, and Value – Regions and United States: 2009-2010, 2010-2011, and 2011-2012 .....	7
Agaricus Mushroom Sales and Percent of Total – United States: 2002-2012 .....	8
Agaricus Mushroom Volume of Sales – United States Chart.....	8
Agaricus Mushroom Price and Value by Utilization – United States: 2002-2012 .....	9
Agaricus Mushroom Value of Sales – United States Chart .....	9
Agaricus Mushroom Number of Growers, Area in Production, Yield, and Dollar Volume per Square Foot – United States: 2002-2012.....	10
Agaricus Mushroom Number of Growers – United States Chart .....	10
Agaricus Mushroom Growing Area Intended for Production by Utilization – States, Regions, and United States: July 2012-June 2013 .....	11
Agaricus Mushroom Number of Growers by Sales Category – United States: 2010-2011 and 2011-2012.....	11
Specialty Mushroom Number of Growers, Total Production, Volume of Sales, Price, and Value of Sales by Variety – United States: 2009-2010, 2010-2011, and 2011-2012.....	12
Specialty Mushroom Area in Production by Variety – United States: 2009-2010, 2010-2011, and 2011-2012.....	13
Mushroom Comments.....	14
Statistical Methodology .....	15
Information Contacts .....	15

**Agaricus Mushroom Area, Sales, Price, and Value – States, Regions, and United States: 2009-2010, 2010-2011, and 2011-2012**

State, region <sup>1</sup> , and year	Area in production		Volume of sales	Price per pound <sup>2</sup>	Value of sales
	Growing area	Total fillings			
	(1,000 square feet)	(1,000 square feet)	(1,000 pounds)	(dollars)	(1,000 dollars)
<b>California</b>					
2009-2010 .....	2,787	17,967	111,672	1.640	182,629
2010-2011 .....	3,389	19,842	117,879	1.660	195,908
2011-2012 .....	3,438	20,499	121,354	1.710	208,118
<b>Pennsylvania</b>					
2009-2010 .....	16,481	77,322	501,228	0.876	438,999
2010-2011 .....	16,687	81,855	548,233	0.885	485,309
2011-2012 .....	16,267	81,576	547,966	0.907	497,188
<b>Washington</b>					
2009-2010 .....	310	1,146	12,970	1.690	21,952
2010-2011 .....	310	1,146	12,430	1.650	20,530
2011-2012 .....	310	1,146	11,895	1.620	19,255
<b>Other States <sup>3</sup></b>					
2009-2010 .....	7,014	32,833	151,194	1.590	240,810
2010-2011 .....	6,883	31,423	167,409	1.570	262,445
2011-2012 .....	7,261	36,110	200,642	1.570	314,598
<b>East</b>					
2009-2010 .....	18,113	90,053	553,285	0.931	515,177
2010-2011 .....	18,209	92,712	612,156	0.941	576,292
2011-2012 .....	19,174	98,812	645,291	0.995	641,875
<b>Central</b>					
2009-2010 .....	3,201	15,332	77,354	1.730	133,707
2010-2011 .....	3,180	15,787	82,760	1.720	141,979
2011-2012 .....	3,451	14,815	84,998	1.730	147,126
<b>West</b>					
2009-2010 .....	5,278	23,883	146,425	1.610	235,506
2010-2011 .....	5,880	25,767	151,035	1.630	245,921
2011-2012 .....	4,651	25,704	151,568	1.650	250,158
<b>United States</b>					
2009-2010 .....	26,592	129,268	777,064	1.140	884,390
2010-2011 .....	27,269	134,266	845,951	1.140	964,192
2011-2012 .....	27,276	139,331	881,857	1.180	1,039,159

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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. For 2011-2012, Other States include Colorado, Delaware, Florida, Hawaii, Illinois, Maryland, Montana, New York, Oklahoma, Oregon, Tennessee, Texas, Utah, and Wisconsin.

**Agaricus Mushroom Sales, Price, and Value by Utilization – States, Regions, and United States: 2009-2010, 2010-2011, and 2011-2012**

Year, State, and region <sup>1</sup>	Fresh market			Processing		
	Volume of sales	Price per pound <sup>2</sup>	Value of sales	Volume of sales	Price per pound <sup>2</sup>	Value of sales
	(1,000 pounds)	(dollars)	(1,000 dollars)	(1,000 pounds)	(dollars)	(1,000 dollars)
<b>2009-2010</b>						
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
<b>2010-2011</b>						
Pennsylvania .....	442,121	0.964	426,205	106,112	0.557	59,104
Other East .....	57,042	1.520	86,860	6,881	0.599	4,123
East total .....	499,163	1.030	513,065	112,993	0.560	63,227
Central total .....	73,218	1.820	132,974	9,542	0.944	9,005
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 .....	20,200	1.440	29,116	526	0.698	367
West total .....	146,120	1.650	241,800	4,915	0.838	4,121
United States .....	718,501	1.240	887,839	127,450	0.599	76,353
<b>2011-2012</b>						
Pennsylvania .....	455,688	0.972	442,929	92,278	0.588	54,259
Other East .....	88,531	1.560	138,404	8,794	0.714	6,283
East total .....	544,219	1.070	581,333	101,072	0.599	60,542
Central total .....	78,024	1.800	140,153	6,974	1.000	6,973
California .....	119,445	1.730	206,640	1,909	0.774	1,478
Washington .....	11,711	1.630	19,089	184	0.900	166
Other West .....	18,028	1.260	22,632	291	0.526	153
West total .....	149,184	1.660	248,361	2,384	0.754	1,797
United States .....	771,427	1.260	969,847	110,430	0.628	69,312

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

<sup>2</sup> 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: 2009-2010, 2010-2011, and 2011-2012**

Year, State, and region <sup>1</sup>	Growers	All sales		
		Volume of sales	Price per pound <sup>2</sup>	Value of sales
	(number)	(1,000 pounds)	(dollars)	(1,000 dollars)
<b>2009-2010</b>				
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 .....	( <sup>3</sup> )	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
<b>2010-2011</b>				
Pennsylvania .....	68	548,233	0.885	485,309
Other East .....	9	63,923	1.420	90,983
East total .....	77	612,156	0.941	576,292
Central total .....	10	82,760	1.720	141,979
California .....	15	117,879	1.660	195,908
Washington .....	( <sup>3</sup> )	12,430	1.650	20,530
Other West .....	7	20,726	1.420	29,483
West total .....	22	151,035	1.630	245,921
United States .....	109	845,951	1.140	964,192
<b>2011-2012</b>				
Pennsylvania .....	67	547,966	0.907	497,188
Other East .....	9	97,325	1.490	144,687
East total .....	76	645,291	0.995	641,875
Central total .....	7	84,998	1.730	147,126
California .....	15	121,354	1.710	208,118
Washington .....	( <sup>3</sup> )	11,895	1.620	19,255
Other West .....	7	18,319	1.240	22,785
West total .....	22	151,568	1.650	250,158
United States .....	105	881,857	1.180	1,039,159

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

<sup>2</sup> 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.

<sup>3</sup> 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: 2009-2010, 2010-2011, and 2011-2012

State and region <sup>1</sup>	Yield per square foot		
	2009-2010 (pounds)	2010-2011 (pounds)	2011-2012 (pounds)
Pennsylvania .....	6.48	6.70	6.72
East .....	6.14	6.60	6.53
Central .....	5.05	5.24	5.74
California .....	6.22	5.94	5.92
Washington .....	11.32	10.85	10.38
West .....	6.13	5.86	5.90
United States .....	6.01	6.30	6.33
	Dollar volume per square foot		
	(dollars)	(dollars)	(dollars)
Pennsylvania .....	5.68	5.93	6.09
East .....	5.72	6.22	6.50
Central .....	8.72	8.99	9.93
California .....	10.16	9.87	10.15
Washington .....	19.16	17.91	16.80
West .....	9.86	9.54	9.73
United States .....	6.84	7.18	7.46

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

## Brown Mushrooms (Portabello and Crimini) Number of Growers, Sales, and Value – Regions and United States: 2009-2010, 2010-2011, and 2011-2012

[Brown mushrooms are part of Agaricus mushrooms]

Region <sup>1</sup> and year	Growers	Volume of sales	Value	Region <sup>1</sup> and year	Growers	Volume of sales	Value
	(number)	(1,000 pounds)	(1,000 dollars)		(number)	(1,000 pounds)	(1,000 dollars)
East				West			
2009-2010 .....	28	86,977	92,477	2009-2010 .....	15	22,445	48,550
2010-2011 .....	29	98,689	105,370	2010-2011 .....	16	25,872	57,841
2011-2012 .....	28	106,840	121,832	2011-2012 .....	15	25,614	58,407
Central				United States			
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	192,696
2011-2012 .....	6	13,709	32,391	2011-2012 .....	49	146,163	212,630

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

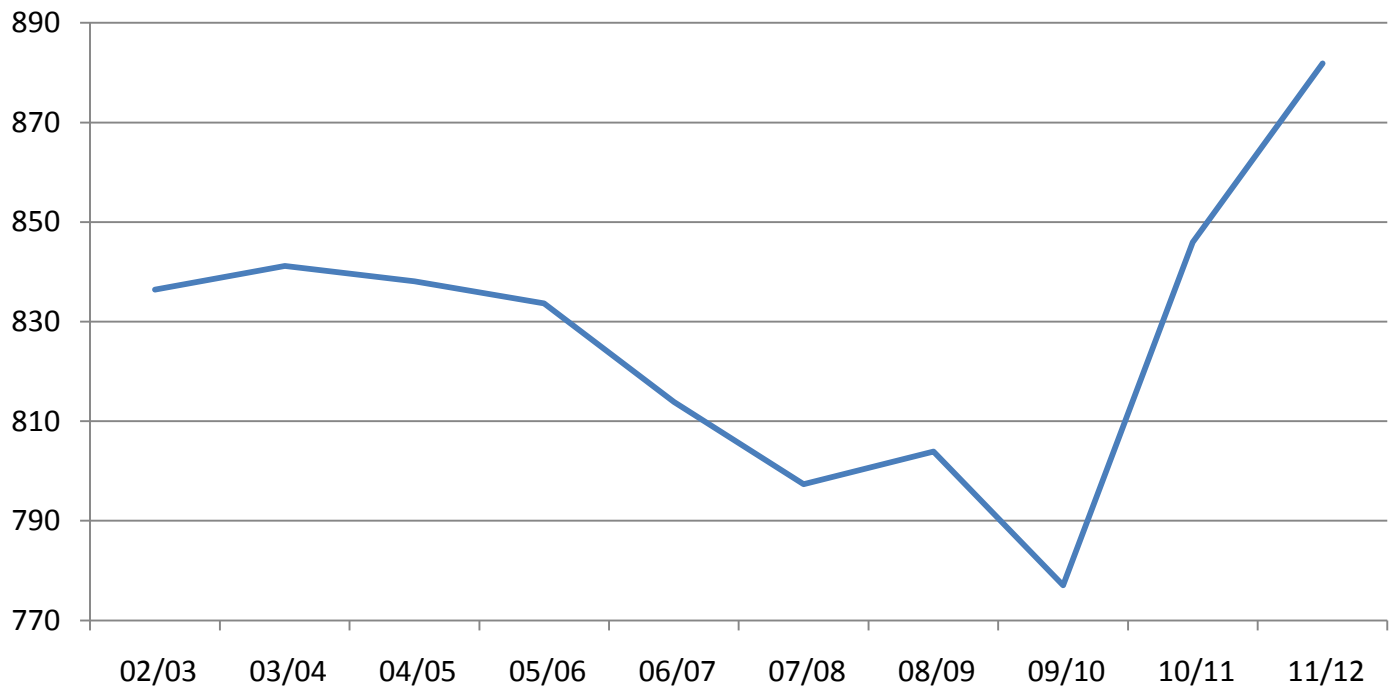
## Agaricus Mushroom Sales and Percent of Total – United States: 2002-2012

[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	
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 .....	718,501	85	127,450	15	845,951
2011-2012 .....	771,427	87	110,430	13	881,857

## Agaricus Mushroom Volume of Sales - United States

Million pounds





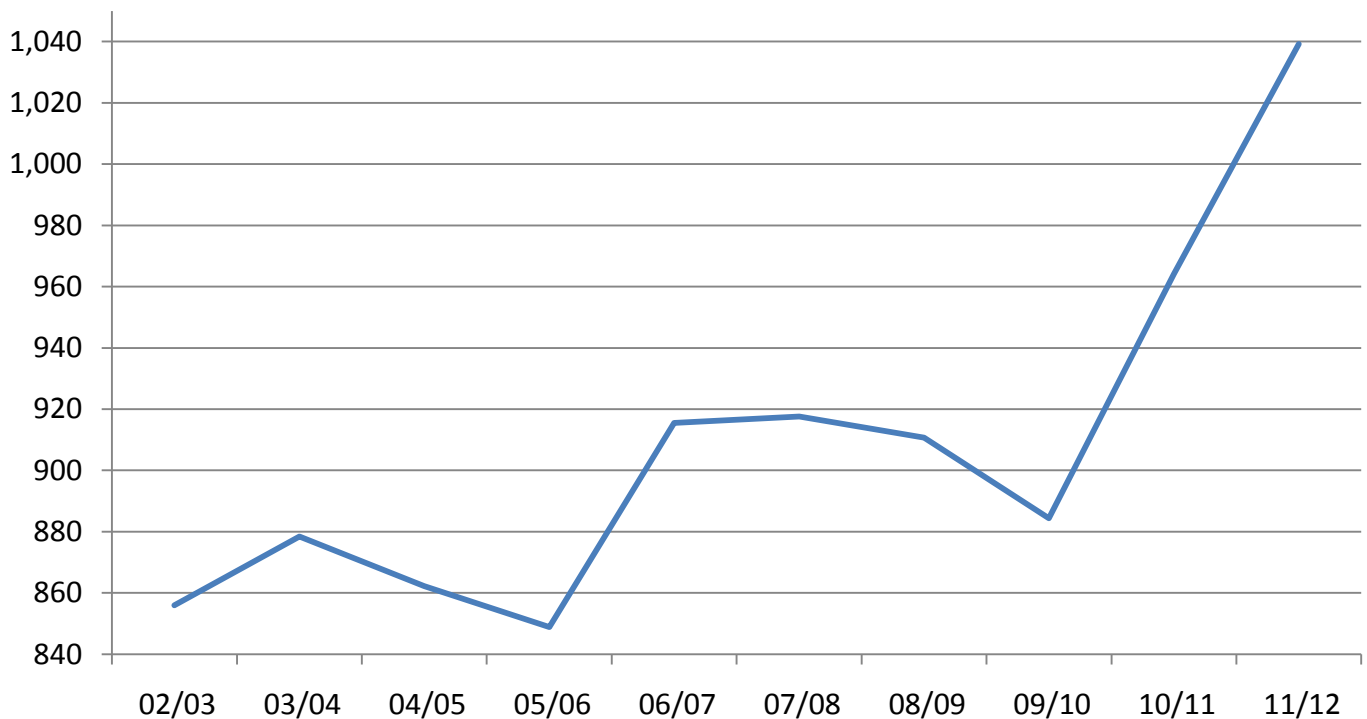
## Agaricus Mushroom Price and Value by Utilization – United States: 2002-2012

Year	Fresh market		Processing		All sales	
	Price <sup>1</sup> per pound	Value of sales	Price <sup>1</sup> per pound	Value of sales	Price <sup>1</sup> per pound	Value of sales
	(dollars)	(1,000 dollars)	(dollars)	(1,000 dollars)	(dollars)	(1,000 dollars)
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 .....	1.240	887,839	0.599	76,353	1.140	964,192
2011-2012 .....	1.260	969,847	0.628	69,312	1.180	1,039,159

<sup>1</sup> 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



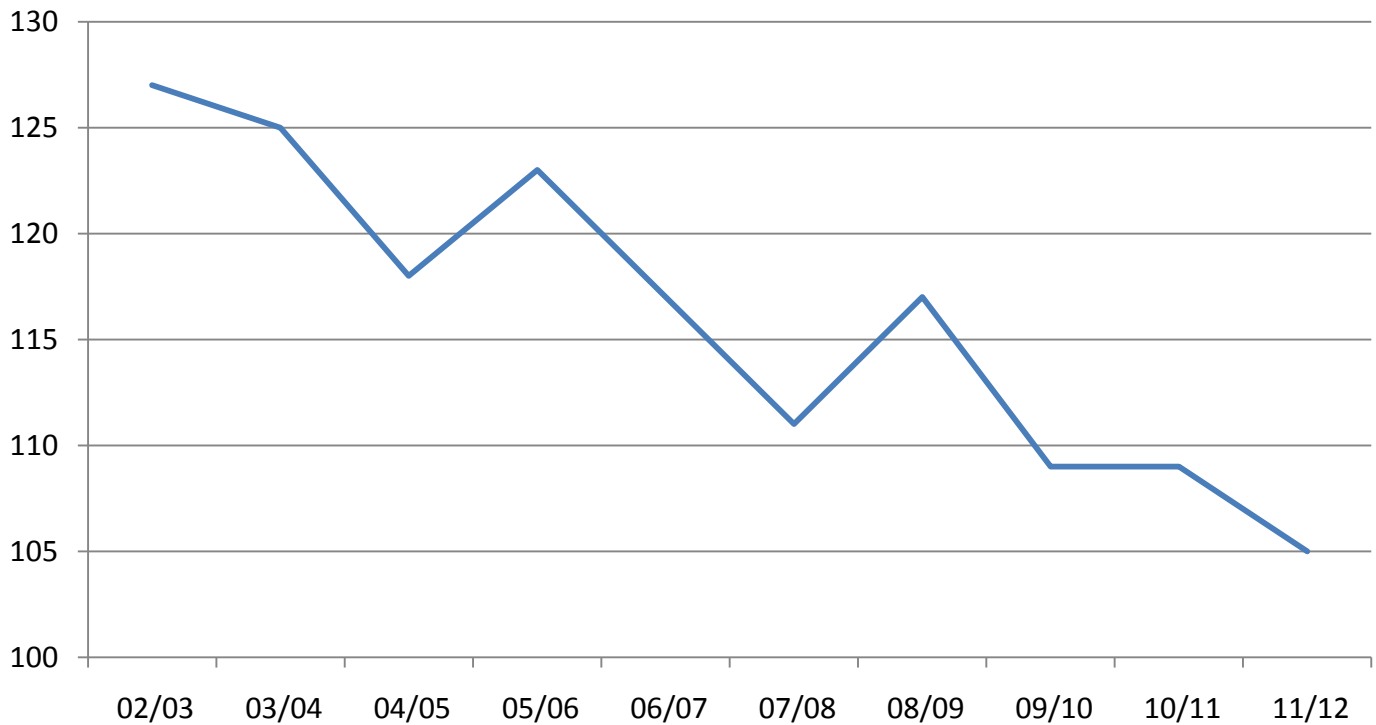
**Agaricus Mushroom Number of Growers, Area in Production, Yield, and Dollar Volume per Square Foot – United States: 2002-2012**

Year	Growers <sup>1</sup>	Area in production	Yield per square foot	Dollar volume per square foot
	(number)	(1,000 square feet)	(pounds)	(dollars)
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 .....	109	134,266	6.30	7.18
2011-2012 .....	105	139,331	6.33	7.46

<sup>1</sup> 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 2012-June 2013**

State and region <sup>1</sup>	Intentions July 2012 - June 2013			
	Fresh market	Processed market	Total fillings	Percent of last year
	(1,000 square feet)	(1,000 square feet)	(1,000 square feet)	(percent)
California .....	20,449	200	20,649	101
Pennsylvania .....	75,592	7,146	82,738	101
Washington .....	1,146	-	1,146	100
Other States <sup>2</sup> .....	36,389	495	36,884	102
East .....	92,840	7,641	100,481	102
Central .....	(D)	(D)	14,965	101
West .....	(D)	(D)	25,971	101
United States .....	133,576	7,841	141,417	101

- Represents zero.

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

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

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

**Agaricus Mushroom Number of Growers by Sales Category – United States: 2010-2011 and 2011-2012**

Sales categories (million pounds)	Number of growers	
	2010-2011	2011-2012
	(number)	(number)
Over 20.0 .....	10	11
10.0 - 19.9 .....	20	18
5.0 - 9.9 .....	11	18
2.5 - 4.9 .....	25	22
1.0 - 2.4 .....	23	21
0.5 - 1.0 .....	2	3
Less than 0.5 .....	18	12

## Specialty Mushroom Number of Growers, Total Production, Volume of Sales, Price, and Value of Sales by Variety – United States: 2009-2010, 2010-2011, and 2011-2012

[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 <sup>1</sup>	Total production <sup>2</sup>	All sales		
			Volume of sales <sup>3</sup>	Price per pound <sup>4</sup>	Value of sales
	(number)	(1,000 pounds)	(1,000 pounds)	(dollars)	(1,000 dollars)
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 <sup>5</sup> .....	221	16,412	15,429	2.56	39,499
2010-2011					
Shiitake .....	156	7,621	7,327	3.10	22,735
Oyster .....	83	8,199	7,742	2.37	18,387
Other .....	25	3,018	2,742	4.58	12,570
Total <sup>5</sup> .....	198	18,838	17,811	3.01	53,692
2011-2012					
Shiitake .....	157	8,400	7,986	3.41	27,264
Oyster .....	76	7,476	7,005	2.55	17,876
Other .....	20	3,411	3,080	4.80	14,797
Total <sup>5</sup> .....	189	19,287	18,071	3.32	59,937

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

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

<sup>3</sup> Virtually all specialty mushroom sales are for fresh market.

<sup>4</sup> 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.

<sup>5</sup> 2009-2010: 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.

2010-2011: Arkansas, California, Colorado, Connecticut, 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.

2011-2012: Arkansas, California, Colorado, 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, Vermont, Virginia, Washington, West Virginia, and Wisconsin.

## Specialty Mushroom Area in Production by Variety – United States: 2009-2010, 2010-2011, and 2011-2012

[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)
2009-2010			
Shiitake <sup>1</sup> .....	117	87	1,246
Oyster .....	(X)	(X)	638
Other .....	(X)	(X)	360
Total <sup>2</sup> .....	117	87	2,244
2010-2011			
Shiitake <sup>1</sup> .....	126	72	1,220
Oyster .....	(X)	(X)	766
Other .....	(X)	(X)	332
Total <sup>2</sup> .....	126	72	2,318
2011-2012			
Shiitake <sup>1</sup> .....	151	26	1,497
Oyster .....	(X)	(X)	689
Other .....	(X)	(X)	329
Total <sup>2</sup> .....	151	26	2,515

(X) Not applicable.

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

<sup>2</sup> 2009-2010: 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.

2010-2011: Arkansas, California, Colorado, Connecticut, 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.

2011-2012: Arkansas, California, Colorado, 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, Vermont, Virginia, Washington, West Virginia, and Wisconsin.

## **Agaricus Mushrooms**

Agaricus mushroom volume of sales totaled 882 million pounds, up 4 percent from the 2010-2011 season. Pennsylvania accounted for 62 percent of the total volume of sales and second-ranked California contributed 14 percent. The value of the Agaricus crop was estimated at \$1.04 billion dollars, up 8 percent from the 2010-2011 season. Brown mushrooms, including Portabello and Crimini varieties, accounted for 146 million pounds, up 7 percent from last season. Brown mushrooms accounted for 17 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 105, is 4 less than last season. Growers with sales exceeding 10 million pounds accounted for 72 percent of United States Agaricus production, or 636 million pounds.

United States fresh market production of Agaricus mushrooms totaled 771 million pounds, up 7 percent from the previous season, while processed production, at 110 million pounds, is 13 percent below the previous season. Growers reported United States fresh market production made up 87 percent of total sales volume, while processed production represented the remaining 13 percent. Grower total filling intentions for the 2012-2013 crop are 141 million square feet, up 1 percent from the total fillings in the 2011-2012 season.

The 60 growers of Agaricus mushrooms in Chester County, Pennsylvania produced 399 million pounds, decrease of 1 percent compared to the 2010-2011 growing season. This production was valued at 366 million dollars, up less than 1 percent from last season. The growing area in Chester County was 12.4 million square feet, down 4 percent from the previous growing season. Total fillings were 60.9 million square feet, down 0.7 percent from the 2010-2011 growing season.

## **Specialty Mushrooms - Shiitake, Oyster, and all Other Exotics**

Value of sales for commercially grown specialty mushrooms in 2011-2012 totaled 59.9 million, up 12 percent from the 2010-2011 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 \$3.32, is up 31 cents from the previous season.

## **Certified Organic Agaricus and Specialty Mushrooms**

Growers produced 32.2 million pounds of mushrooms that were certified organic during the 2011-2012 growing season, 3 percent above 2010-2011. Sixty-one percent of the total, or 19.7 million pounds, were sold as certified organic mushrooms. This is up 4 percentage points from the 2010-2011 crop year. Agaricus mushrooms accounted for 68 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 2011-2012 total mushroom sales. The number of certified organic mushroom growers totaled 51, up 3 growers from the previous season. These growers represent 18 percent of the 279 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](mailto: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, Mint, 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

## Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: <http://www.nass.usda.gov>
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit <http://www.nass.usda.gov> and in the “Follow NASS” box under “Receive reports by Email,” click on “National” or “State” to select the reports you would like to receive.
- Printed reports may be purchased from the National Technical Information Service (NTIS) by calling toll-free (800) 999-6779, or (703) 605-6220 if calling from outside the United States or Canada. Accepted methods of payment are Visa, MasterCard, check, or money order.

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](mailto:nass@nass.usda.gov).

The United States Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, political beliefs, genetic information, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

To file a complaint of discrimination, write to USDA, Assistant Secretary for Civil Rights, Office of the Assistant Secretary for Civil Rights, 1400 Independence Avenue, S.W., Stop 9410, Washington, DC 20250-9410, or call toll-free at (866) 632-9992 (English) or (800) 877-8339 (TDD) or (866) 377-8642 (English Federal-relay) or (800) 845-6136 (Spanish Federal-relay). USDA is an equal opportunity provider and employer.



**USDA Data Users' Meeting**  
**Monday October 22, 2012**

**Crowne Plaza Chicago-Metro**  
**Chicago, Illinois 60661**  
**312-829-5000**

The USDA's National Agricultural Statistics Service will be organizing an open forum for data users. The purpose will be to provide updates on pending changes in the various statistical and information programs and seek comments and input from data users. Other USDA agencies to be represented will include the Agricultural Marketing Service, the Economic Research Service, the Foreign Agricultural Service, and the World Agricultural Outlook Board. The Foreign Trade Division from the Census Bureau will also be included in the meeting.

For registration details or additional information for the Data Users' Meeting, see the NASS homepage at <http://www.nass.usda.gov/meeting/> or contact Vernita Murray (NASS) at 202-690-8141 or at [vernita\\_murray@nass.usda.gov](mailto:vernita_murray@nass.usda.gov).

This Data Users' Meeting precedes an Industry Outlook Meeting that will be held at the same location on Tuesday October 23, 2012. The Outlook meeting brings together analysts from various commodity sectors to discuss the outlook situation. For registration details or additional information for the Industry Outlook Meeting, see the Livestock and Marketing Information Center (LMIC) homepage at <http://www.lmic.info/> or contact Erica Rosa 303-236-0461 at [rosa@lmic.info](mailto:rosa@lmic.info) or Laura Lahr 303-236-0464 at [lahr@lmic.info](mailto:lahr@lmic.info).