



# Mushrooms

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## All Mushroom Sales Approaches \$1.12 Billion in Value

Sales of the 2013-2014 United States mushroom crop totaled 900 million pounds, up 1 percent from last season. Value of sales for the 2013-2014 United States mushroom crop is \$1.12 billion, up 1 percent from the previous season. The number of growers, at 348, is up 44 from last season. The average price is \$1.24 per pound, the same as a year ago.

### Agaricus and Specialty Mushroom Number of Growers, Sales, Price, and Value – United States: 2011-2012, 2012-2013, and 2013-2014

Year	Growers <sup>1</sup>	All sales		
		Volume of sales	Price per pound <sup>2</sup>	Value of sales
	(number)	(1,000 pounds)	(dollars)	(1,000 dollars)
2011-2012 .....	281	899,970	1.220	1,099,400
2012-2013 .....	304	888,252	1.240	1,103,886
2013-2014 .....	348	899,564	1.240	1,115,381

<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.

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**Agaricus Mushroom Area, Sales, Price, and Value – States, Regions, and United States: 2011-2012, 2012-2013, and 2013-2014**

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)
California					
2011-2012 .....	3,438	20,499	121,354	1.710	208,118
2012-2013 .....	3,626	22,431	118,098	1.750	206,708
2013-2014 .....	2,986	17,884	101,534	1.870	189,607
Pennsylvania					
2011-2012 .....	16,267	81,576	547,966	0.907	497,188
2012-2013 .....	15,924	78,243	544,942	0.933	508,593
2013-2014 .....	15,715	81,671	571,725	0.944	539,662
Washington					
2011-2012 .....	310	1,146	11,895	1.620	19,255
2012-2013 .....	(D)	(D)	(D)	(D)	(D)
2013-2014 .....	(D)	(D)	(D)	(D)	(D)
Other States <sup>3</sup>					
2011-2012 .....	7,459	36,110	200,642	1.570	314,598
2012-2013 .....	8,002	39,172	206,585	1.560	323,240
2013-2014 .....	6,615	35,130	208,546	1.540	320,446
East					
2011-2012 .....	19,174	98,812	645,291	0.995	641,875
2012-2013 .....	18,833	94,245	634,541	0.993	630,079
2013-2014 .....	17,974	95,903	663,899	0.996	660,976
Central					
2011-2012 .....	3,451	14,815	84,998	1.730	147,126
2012-2013 .....	3,682	17,504	92,584	1.770	163,882
2013-2014 .....	3,577	15,730	94,701	1.750	165,829
West					
2011-2012 .....	4,849	25,704	151,568	1.650	250,158
2012-2013 .....	5,037	28,097	142,500	1.720	244,580
2013-2014 .....	3,765	23,052	123,205	1.810	222,910
United States					
2011-2012 .....	27,474	139,331	881,857	1.180	1,039,159
2012-2013 .....	27,552	139,846	869,625	1.190	1,038,541
2013-2014 .....	25,316	134,685	881,805	1.190	1,049,715

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

<sup>1</sup> Regions - East: Delaware, Florida, Maryland, New York, Pennsylvania, and Tennessee. Central: Illinois, Missouri, Ohio, Oklahoma, Texas, and Wisconsin. West: California, Hawaii, 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 2011-2012, Other States include Colorado, Delaware, Florida, Hawaii, Illinois, Maryland, Montana, New York, Oklahoma, Oregon, Tennessee, Texas, Utah, Washington, and Wisconsin. For 2012-2013, Other States include Colorado, Delaware, Florida, Hawaii, Illinois, Maryland, Missouri, Montana, New York, Oklahoma, Oregon, Tennessee, Texas, Utah, Washington, and Wisconsin. For 2013-2014, Other States include Delaware, Florida, Hawaii, Illinois, Maryland, Missouri, New York, Ohio, Oklahoma, Oregon, Tennessee, Texas, Utah, Washington, and Wisconsin.

**Agaricus Mushroom Sales, Price, and Value by Utilization – States, Regions, and United States: 2011-2012, 2012-2013, and 2013-2014**

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>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
<b>2012-2013</b>						
Pennsylvania .....	449,788	1.000	449,788	95,154	0.618	58,805
Other East .....	81,579	1.440	117,813	8,020	0.458	3,673
East total .....	531,367	1.070	567,601	103,174	0.606	62,478
Central total .....	86,893	1.820	158,431	5,691	0.958	5,451
California .....	116,659	1.763	205,670	1,439	0.721	1,038
Washington .....	(D)	(D)	(D)	(D)	(D)	(D)
Other West .....	24,009	1.570	37,576	393	0.753	296
West total .....	140,668	1.730	243,246	1,832	0.728	1,334
United States .....	758,928	1.280	969,278	110,697	0.626	69,263
<b>2013-2014</b>						
Pennsylvania .....	485,210	0.999	484,725	86,515	0.635	54,937
Other East .....	82,735	1.410	116,370	9,439	0.524	4,944
East total .....	567,945	1.060	601,095	95,954	0.624	59,881
Central total .....	79,527	1.870	148,833	15,174	1.120	16,996
California .....	100,294	1.880	188,553	1,240	0.850	1,054
Washington .....	(D)	(D)	(D)	(D)	(D)	(D)
Other West .....	21,230	1.560	33,040	441	0.596	263
West total .....	121,524	1.820	221,593	1,681	0.783	1,317
United States .....	768,996	1.260	971,521	112,809	0.693	78,194

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

<sup>1</sup> Regions - East: Delaware, Florida, Maryland, New York, Pennsylvania, and Tennessee. Central: Illinois, Missouri, Ohio, Oklahoma, Texas, and Wisconsin. West: California, Hawaii, 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: 2011-2012, 2012-2013, and 2013-2014**

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>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
<b>2012-2013</b>				
Pennsylvania .....	64	544,942	0.933	508,593
Other East .....	11	89,599	1.360	121,486
East total .....	75	634,541	0.993	630,079
Central total .....	10	92,584	1.770	163,882
California .....	15	118,098	1.750	206,708
Other West .....	7	24,402	1.550	37,872
West total .....	22	142,500	1.720	244,580
United States .....	107	869,625	1.190	1,038,541
<b>2013-2014</b>				
Pennsylvania .....	66	571,725	0.944	539,662
Other East .....	10	92,174	1.320	121,314
East total .....	76	663,899	0.996	660,976
Central total .....	9	94,701	1.750	165,829
California .....	13	101,534	1.870	189,607
Other West .....	5	21,671	1.540	33,303
West total .....	18	123,205	1.810	222,910
United States .....	103	881,805	1.190	1,049,715

<sup>1</sup> Regions - East: Delaware, Florida, Maryland, New York, Pennsylvania, and Tennessee. Central: Illinois, Missouri, Ohio, Oklahoma, Texas, and Wisconsin. West: California, Hawaii, 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: 2011-2012, 2012-2013, and 2013-2014**

State and region <sup>1</sup>	Yield per square foot		
	2011-2012	2012-2013	2013-2014
	(pounds)	(pounds)	(pounds)
Pennsylvania .....	6.72	6.96	7.00
East .....	6.53	6.73	6.92
Central .....	5.74	5.29	6.02
California .....	5.92	5.26	5.68
Washington .....	10.38	(D)	(D)
West .....	5.90	5.07	5.34
United States .....	6.33	6.22	6.55
	Dollar volume per square foot		
	(dollars)	(dollars)	(dollars)
Pennsylvania .....	6.09	6.50	6.61
East .....	6.50	6.69	6.89
Central .....	9.93	9.36	10.54
California .....	10.15	9.22	10.60
Washington .....	16.80	(D)	(D)
West .....	9.73	8.70	9.67
United States .....	7.46	7.43	7.79

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

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

**Brown Mushrooms (Portabello and Crimini) Number of Growers, Sales, and Value – Regions and United States: 2011-2012, 2012-2013, and 2013-2014**

[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			
2011-2012 .....	28	106,840	121,832	2011-2012 .....	15	25,614	58,407
2012-2013 .....	29	110,588	127,223	2012-2013 .....	15	24,828	55,638
2013-2014 .....	30	107,749	130,662	2013-2014 .....	13	26,597	58,452
Central				United States			
2011-2012 .....	6	13,625	32,406	2011-2012 .....	49	146,079	212,645
2012-2013 .....	10	16,303	38,980	2012-2013 .....	54	151,719	221,841
2013-2014 .....	8	18,043	41,180	2013-2014 .....	51	152,389	230,294

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

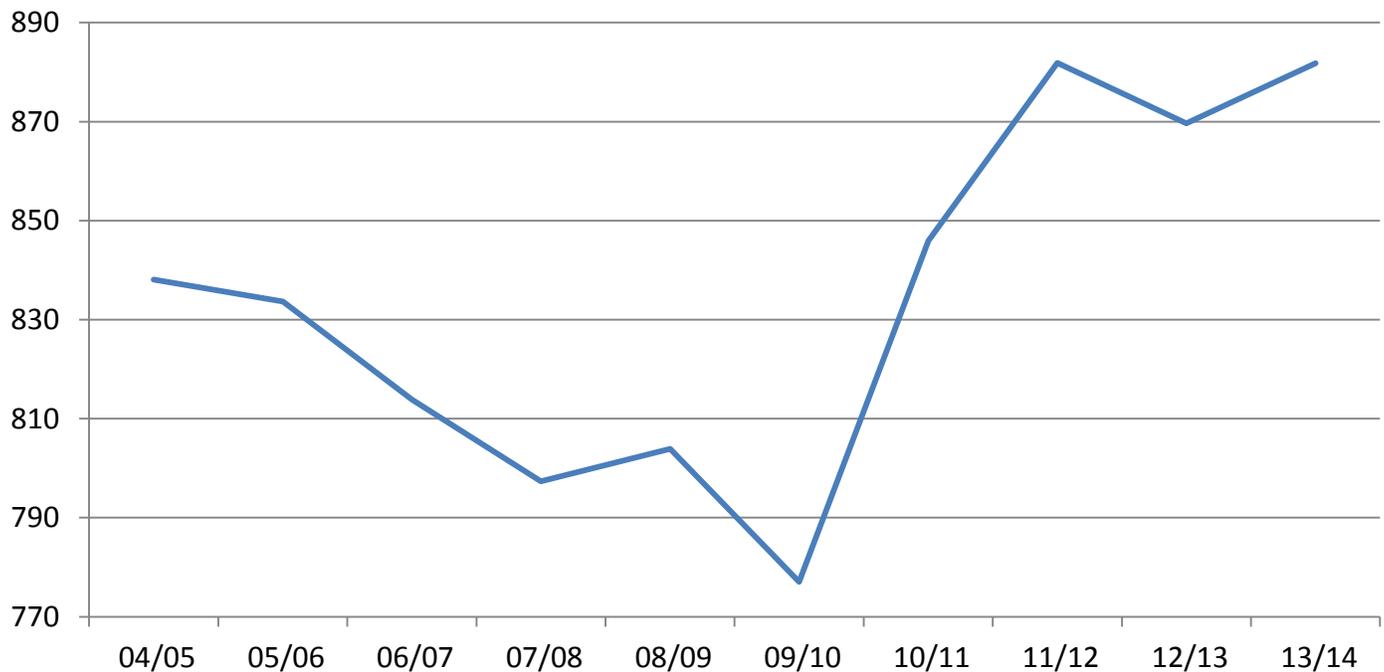
## Agaricus Mushroom Sales and Percent of Total – United States: 2004-2014

[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	
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
2012-2013 .....	758,928	87	110,697	13	869,625
2013-2014 .....	768,996	87	112,809	13	881,805

## Agaricus Mushroom Volume of Sales - United States

Million pounds



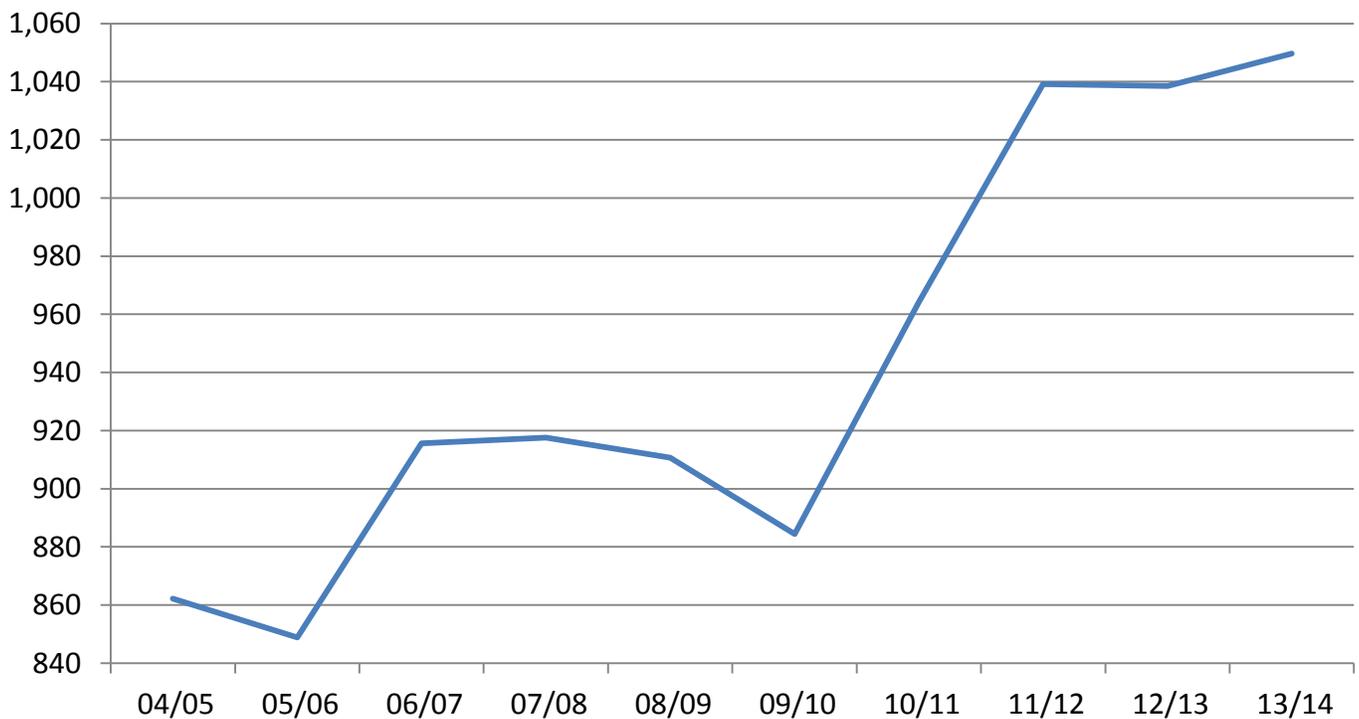
## Agaricus Mushroom Price and Value by Utilization – United States: 2004-2014

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)
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
2012-2013 .....	1.280	969,278	0.626	69,263	1.190	1,038,541
2013-2014 .....	1.260	971,521	0.693	78,194	1.190	1,049,715

<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



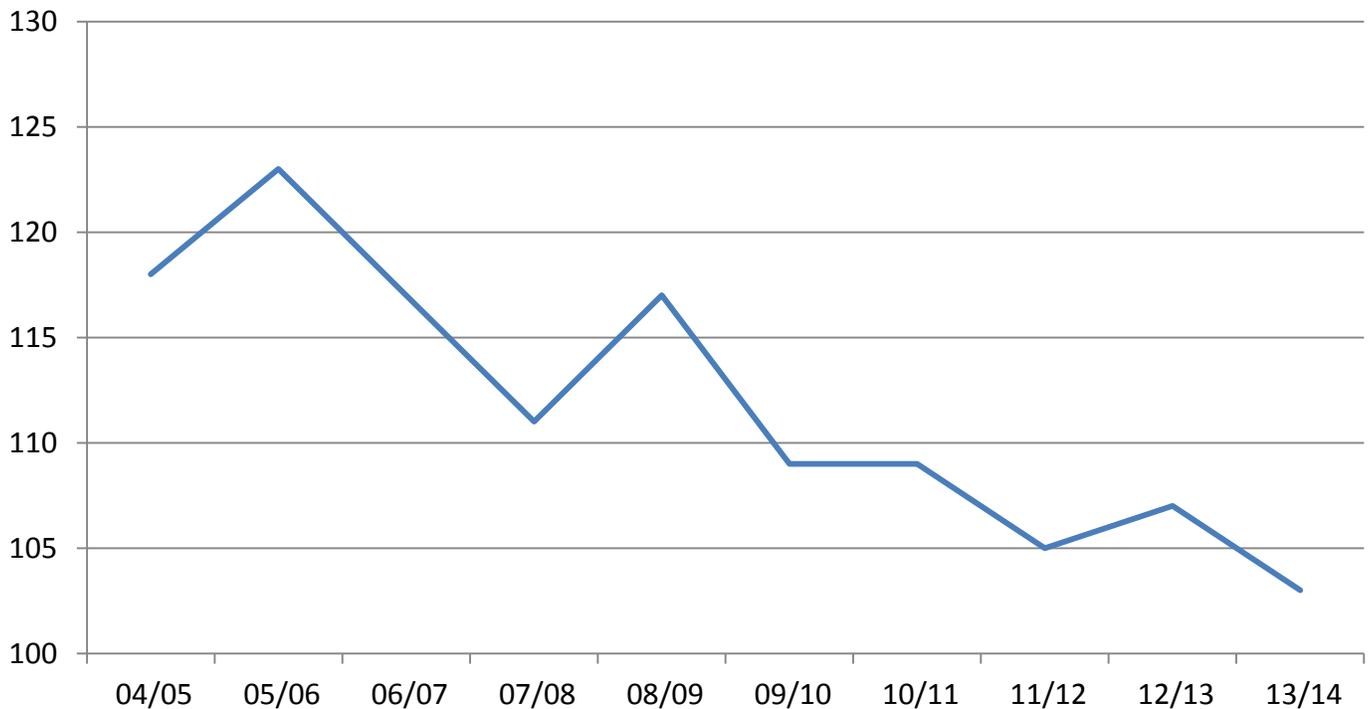
**Agaricus Mushroom Number of Growers, Area in Production, Yield, and Dollar Volume per Square Foot – United States: 2004-2014**

Year	Growers <sup>1</sup>	Area in production	Yield per square foot	Dollar volume per square foot
	(number)	(1,000 square feet)	(pounds)	(dollars)
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
2012-2013 .....	107	139,846	6.22	7.43
2013-2014 .....	103	134,685	6.55	7.79

<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 2014-June 2015**

State and region <sup>1</sup>	Intentions July 2014 - June 2015			
	Fresh market	Processed market	Total fillings	Percent of last year
	(1,000 square feet)	(1,000 square feet)	(1,000 square feet)	(percent)
California .....	(D)	(D)	17,884	100
Pennsylvania .....	(D)	(D)	81,831	100
Other States <sup>2</sup> .....	130,675	6,579	37,539	107
East .....	90,673	5,387	96,060	100
Central .....	(D)	(D)	18,076	115
West .....	(D)	(D)	23,118	100
United States .....	130,675	6,579	137,254	102

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

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

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

**Agaricus Mushroom Number of Growers by Sales Category – United States: 2012-2013 and 2013-2014**

Sales categories (million pounds)	Number of growers	
	2012-2013	2013-2014
	(number)	(number)
Over 20.0 .....	9	11
10.0 - 19.9 .....	21	20
5.0 - 9.9 .....	17	16
2.5 - 4.9 .....	19	15
1.0 - 2.4 .....	20	21
0.5 - 1.0 .....	5	5
Less than 0.5 .....	16	15

## Specialty Mushroom Number of Growers, Total Production, Volume of Sales, Price, and Value of Sales by Variety – United States: 2011-2012, 2012-2013, and 2013-2014

[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)
2011-2012					
Shiitake .....	162	8,413	7,999	3.42	27,377
Oyster .....	80	7,505	7,031	2.56	18,008
Other .....	22	3,414	3,083	4.82	14,856
Total <sup>5</sup> .....	194	19,332	18,113	3.33	60,241
2012-2013					
Shiitake .....	179	8,875	8,277	3.32	27,468
Oyster .....	97	7,414	6,975	3.02	21,050
Other .....	28	3,659	3,375	4.99	16,827
Total <sup>5</sup> .....	209	19,948	18,627	3.51	65,345
2013-2014					
Shiitake .....	210	9,328	8,953	3.21	28,769
Oyster .....	119	7,499	7,165	3.74	26,783
Other .....	37	1,846	1,641	6.16	10,114
Total <sup>5</sup> .....	259	18,673	17,759	3.70	65,666

<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> 2011-2012: 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. 2012-2013: Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Illinois, Indiana, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Nebraska, New Hampshire, New York, North Carolina, Ohio, Oregon, Pennsylvania, South Carolina, Tennessee, Texas, Vermont, Virginia, Washington, West Virginia, and Wisconsin. 2013-2014: Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Illinois, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, New Hampshire, New York, North Carolina, Ohio, Oregon, Pennsylvania, South Carolina, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, and Wisconsin.

## Specialty Mushroom Area in Production by Variety – United States: 2011-2012, 2012-2013, and 2013-2014

[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)
2011-2012			
Shiitake <sup>1</sup> .....	151	28	1,499
Oyster .....	(X)	(X)	689
Other .....	(X)	(X)	332
Total <sup>2</sup> .....	151	28	2,520
2012-2013			
Shiitake <sup>1</sup> .....	137	243	1,455
Oyster .....	(X)	(X)	790
Other .....	(X)	(X)	379
Total <sup>2</sup> .....	137	243	2,624
2013-2014			
Shiitake <sup>1</sup> .....	166	221	1,436
Oyster .....	(X)	(X)	1,012
Other .....	(X)	(X)	338
Total <sup>2</sup> .....	166	221	2,786

(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> 2011-2012: 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. 2012-2013: Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Illinois, Indiana, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Nebraska, New Hampshire, New York, North Carolina, Ohio, Oregon, Pennsylvania, South Carolina, Tennessee, Texas, Vermont, Virginia, Washington, West Virginia, and Wisconsin. 2013-2014: Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Illinois, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, New Hampshire, New York, North Carolina, Ohio, Oregon, Pennsylvania, South Carolina, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, and Wisconsin.

## **Agaricus Mushrooms**

Agaricus mushroom volume of sales totaled 882 million pounds, up 1 percent from the 2012-2013 season. Pennsylvania accounted for 65 percent of the total volume of sales and second-ranked California contributed 12 percent. The value of the Agaricus crop was estimated at \$1.05 billion dollars, up 1 percent from a year ago. Brown mushrooms, including Portabello and Crimini varieties, accounted for 152 million pounds, up slightly from last season. Brown mushrooms accounted for 17 percent of the total Agaricus volume sold and 22 percent of the total Agaricus value.

The total number of Agaricus growers in the United States, at 103, was down 4 from last season. Growers with sales exceeding 10 million pounds accounted for 77 percent of United States Agaricus sales, or 679 million pounds.

United States fresh market sales of Agaricus mushrooms totaled 769 million pounds, up 1 percent from the previous season, while processed sales, at 113 million pounds, was up 2 percent from 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 2014-2015 crop are 137 million square feet, up 2 percent from the total fillings in the 2013-2014 season.

The 59 growers of Agaricus mushrooms in Chester County, Pennsylvania produced 435 million pounds, an increase of 10 percent compared with the 2012-2013 growing season. This production was valued at 412 million dollars, up 11 percent from the previous season. The growing area in Chester County was 12.4 million square feet, up 2 percent from last season. Total fillings were 63.6 million square feet, up 11 percent from the 2012-2013 growing season.

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

Value of sales for commercially grown specialty mushrooms in 2013-2014 totaled 65.7 million, up less than 1 percent from the 2012-2013 season. A specialty grower is defined as having at least 200 natural wood logs in production or some commercial indoor growing area, and \$200 or more in sales. The average price per pound received by growers, at \$3.70, was up 19 cents from the previous season.

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

Growers produced 43.2 million pounds of mushrooms that were certified organic during the 2013-2014 growing season, 65 percent above 2012-2013. Sixty-seven percent of the total, or 28.9 million pounds, were sold as certified organic mushrooms. This is up 28 percentage points from the 2012-2013 crop year. Agaricus mushrooms accounted for 75 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 3 percent of the 2013-2014 total mushroom sales. The number of certified organic mushroom growers totaled 61, up 3 growers from the revised previous season. These growers represent 18 percent of the 348 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
Vincent Davis – Fresh and Processing Vegetables, Onions, Strawberries, Cherries .....	(202) 720-2157
Fred Granja – Apples, Apricots, Plums, Prunes, Tobacco .....	(202) 720-9085
LaKeya Jones – Citrus, Coffee, Grapes, Sugar Crops, Tropical Fruits.....	(202) 720-5412
Greg Lemmons – Berries, Cranberries, Potatoes, Sweet Potatoes .....	(202) 720-4285
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 Schaubert – 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.

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).

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**USDA Data Users' Meeting**  
**Monday, October 20, 2014**

**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 Rose Armstrong (NASS) at (202) 720-3896 or at [rose.armstrong@nass.usda.gov](mailto:rose.armstrong@nass.usda.gov).

This Data Users' Meeting precedes the Industry Outlook Conference that will be held at the same location on Tuesday, October 21, 2014. 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 Conference, see the conference webpage on the LMIC website: <http://www.lmic.info/IOC/>. Or call the Livestock Marketing Information Center (LMIC) at (303) 236-0460.