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## **Fresh Vegetable Harvested Area Up 1 Percent Onion Harvested Area Up 3 Percent Processed Vegetable Contracted Area Down 8 Percent**

The prospective area for harvest of 11 selected fresh market vegetables during the summer quarter is forecast to be 269,300 acres, up 1 percent from last year. Acreage increases in carrots, cauliflower, sweet corn, and head lettuce more than offset acreage declines in snap beans, cabbage, celery, bell peppers, and tomatoes. Broccoli and cucumber area remains unchanged. Area forecast for melon harvest is 84,700 acres, down 7 percent from last year. Cantaloupe area is forecast at 25,800 acres, 9 percent below 2010. Honeydew area, at 7,700 acres, is down 11 percent from last year. Watermelon area, at 51,200 acres, is down 6 percent from a year ago.

Strawberry production in the United States is forecast at 27.7 million cwt, down 1 percent from last year. Area harvested, at 49,800 acres, is up 1 percent from 2010. Strawberry yield is forecast at 556 cwt per acre, down 12 cwt from 2010.

Onion growers expect to harvest 153,160 acres in 2011, up 3 percent from last year. Spring onion growers harvested 29,200 acres, up 13 percent from last season. Summer, non-storage onion growers expect to harvest 18,000 acres, down 4 percent from a year ago. Storage onion growers plan to harvest 105,960 acres in 2011, up 1 percent from last season.

Vegetable processors have contracted 1.02 million acres to be planted to the 5 major vegetable crops (snap beans, sweet corn, cucumbers for pickles, green peas, and tomatoes). This is down 8 percent from last year. Reported acreage declined for all 5 major processed vegetable crops. Contracted green pea acreage at 162,300 is down 13 percent. Green pea contracted production forecast, at 302,090 tons, is down 16 percent from 2010. Contracted tomato production is forecast at 12.8 million tons, up 1 percent from 2010.

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**Selected Fresh Market Vegetables and Melons Area Harvested by Season and Crop – United States: 2009, 2010, and Forecasted 2011 (Domestic Units)**

Season and crop	Harvested		
	2009 (acres)	2010 (acres)	2011 (acres)
<b>Winter</b> .....	154,620	156,240	155,200
<b>Spring</b> .....	265,960	261,800	261,680
<b>Summer vegetables</b>			
Snap beans .....	16,600	15,700	14,300
Broccoli <sup>1</sup> .....	32,000	32,000	32,000
Cabbage .....	11,900	14,000	13,800
Carrots .....	19,200	16,900	19,800
Cauliflower <sup>1</sup> .....	8,800	7,800	8,100
Celery <sup>1</sup> .....	6,000	6,000	5,800
Sweet corn .....	95,000	101,200	101,700
Cucumbers .....	4,000	4,000	4,000
Head lettuce .....	32,000	32,000	34,000
Bell peppers <sup>1</sup> .....	3,200	3,300	3,200
Tomatoes .....	32,900	33,000	32,600
United States .....	261,600	265,900	269,300
<b>Summer melons</b>			
Cantaloupes .....	28,100	28,500	25,800
Honeydews .....	8,800	8,700	7,700
Watermelons .....	50,200	54,300	51,200
United States .....	87,100	91,500	84,700
<b>Total summer crop</b> .....	348,700	357,400	354,000

<sup>1</sup> Includes fresh market and processing.

**Selected Fresh Market Vegetables and Melons Area Harvested by Season and Crop – United States: 2009, 2010, and Forecasted 2011 (Metric Units)**

Season and crop	Harvested		
	2009 (hectares)	2010 (hectares)	2011 (hectares)
<b>Winter</b> .....	62,570	63,230	62,810
<b>Spring</b> .....	107,630	105,950	105,900
<b>Summer vegetables</b>			
Snap beans .....	6,720	6,350	5,790
Broccoli <sup>1</sup> .....	12,950	12,950	12,950
Cabbage .....	4,820	5,670	5,580
Carrots .....	7,770	6,840	8,010
Cauliflower <sup>1</sup> .....	3,560	3,160	3,280
Celery <sup>1</sup> .....	2,430	2,430	2,350
Sweet corn .....	38,450	40,950	41,160
Cucumbers .....	1,620	1,620	1,620
Head lettuce .....	12,950	12,950	13,760
Bell peppers <sup>1</sup> .....	1,300	1,340	1,300
Tomatoes .....	13,310	13,350	13,190
United States <sup>2</sup> .....	105,870	107,610	108,980
<b>Summer melons</b>			
Cantaloupes .....	11,370	11,530	10,440
Honeydews .....	3,560	3,520	3,120
Watermelons .....	20,320	21,970	20,720
United States <sup>2</sup> .....	35,250	37,030	34,280
<b>Total summer crop</b> <sup>2</sup> .....	141,120	144,640	143,260

<sup>1</sup> Includes fresh market and processing.

<sup>2</sup> Totals may not add due to rounding.

**Selected Fresh Market Vegetables and Melons Area Harvested by Crop – States and United States: 2009, 2010, and Forecasted 2011**

Crop and State	Usual harvest period	Harvested		
		2009	2010	2011
		(acres)	(acres)	(acres)
<b>Snap beans</b>				
Georgia .....	July-September	3,800	3,200	2,300
Michigan .....	July-October	3,100	3,200	2,900
New York .....	July-September	6,700	6,700	6,400
Virginia .....	June-August	3,000	2,600	2,700
United States .....		16,600	15,700	14,300
<b>Broccoli <sup>1</sup></b>				
California .....	July-September	32,000	32,000	32,000
<b>Cabbage</b>				
Georgia .....	June-September	300	900	600
Michigan .....	June-November	2,600	3,000	3,200
New York .....	June-December	9,000	10,100	10,000
United States .....		11,900	14,000	13,800
<b>Cantaloupes</b>				
California .....	July-September	24,000	24,200	21,400
Georgia .....	June-September	1,600	1,700	1,500
South Carolina .....	June-September	1,200	1,200	1,400
Texas .....	July-September	1,300	1,400	1,500
United States .....		28,100	28,500	25,800
<b>Carrots</b>				
California .....	July-September	17,000	15,000	18,000
Michigan .....	August-November	2,200	1,900	1,800
United States .....		19,200	16,900	19,800
<b>Cauliflower <sup>1</sup></b>				
California .....	July-September	8,800	7,800	8,100
<b>Celery <sup>1</sup></b>				
California .....	July-September	6,000	6,000	5,800
<b>Sweet corn</b>				
California .....	July-September	11,100	12,000	12,300
Illinois .....	July-August	7,100	7,500	6,500
Michigan .....	July-October	9,100	9,400	9,600
New Jersey .....	July-October	7,100	7,400	8,000
New York .....	June-October	21,500	22,800	22,500
North Carolina .....	July-August	6,300	6,900	6,400
Ohio .....	July-September	11,400	13,600	15,900
Pennsylvania .....	July-October	14,400	14,100	13,800
Wisconsin .....	July-September	7,000	7,500	6,700
United States .....		95,000	101,200	101,700

See footnote(s) at end of table.

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**Selected Fresh Market Vegetables and Melons Area Harvested by Crop – States and United States:  
2009, 2010, and Forecasted 2011 (continued)**

Crop and State	Usual harvest period	Harvested		
		2009	2010	2011
		(acres)	(acres)	(acres)
<b>Cucumbers</b>				
New Jersey .....	July-October	3,100	3,200	3,100
Virginia .....	June-August	900	800	900
United States .....		4,000	4,000	4,000
<b>Honeydews</b>				
Arizona .....	May-July	1,700	1,700	1,500
California .....	July-September	7,100	7,000	6,200
United States .....		8,800	8,700	7,700
<b>Head lettuce</b>				
California .....	July-September	32,000	32,000	34,000
<b>Bell peppers <sup>1</sup></b>				
New Jersey .....	July-October	3,200	3,300	3,200
<b>Tomatoes</b>				
California .....	July-September	19,000	18,500	18,000
Michigan .....	July-September	2,000	2,000	2,000
New Jersey .....	July-October	2,900	2,900	2,900
New York .....	July-October	2,500	2,800	2,900
Pennsylvania .....	July-October	1,700	2,300	2,200
Virginia .....	June-August	4,800	4,500	4,600
United States .....		32,900	33,000	32,600
<b>Watermelons</b>				
California .....	July-September	7,500	7,800	7,300
Georgia .....	June-September	23,000	24,000	21,000
Mississippi .....	June-September	2,300	2,500	2,400
South Carolina .....	June-September	6,500	8,000	7,000
Texas .....	July-September	10,900	12,000	13,500
United States .....		50,200	54,300	51,200

<sup>1</sup> Includes fresh market and processing.

## Fresh Market Crop Comments

**Snap beans:** Summer fresh market area for harvest is forecast at 14,300 acres, down 9 percent from last year. In New York, the season started slow due to an unusually wet spring. In Georgia, some plantings were delayed due to dry conditions across the State. In Michigan, snap bean planting was behind schedule due to wet spring conditions.

**Broccoli:** California's area for summer harvest is forecast at 32,000 acres, unchanged from last year. Warm temperatures during June boosted plant growth. Quality of the broccoli crop was reported as good.

**Cabbage:** Fresh market area for harvest is forecast at 13,800 acres, down 1 percent from 2010. New York cabbage planting was delayed due to wet fields. In Michigan, cabbage fields were behind schedule due to wet spring conditions.

**Cantaloupes:** Summer cantaloupe area for harvest is forecast at 25,800 acres, down 9 percent from 2010. In California, cold spring temperatures delayed planting and development. Georgia melon growers experienced drought conditions across the State. In Texas, the melon crop was planted on time despite a hard freeze in early February. Harvest began in the southern part of the State by mid-May.

**Carrots:** Area for fresh market harvest is forecast at 19,800 acres, up 17 percent from last year. In California, warm temperatures during June promoted crop growth and development.

**Cauliflower:** California's area for summer harvest is forecast at 8,100 acres, up 4 percent from 2010.

**Celery:** California's summer area for harvest is forecast at 5,800 acres, down 3 percent from 2010. The summer celery harvest was underway in the Santa Maria and Salinas Valley.

**Sweet corn:** Fresh market area for harvest is forecast at 101,700 acres, up slightly from last year. In California, sweet corn harvest in Southern California began in early April. By June, harvest had progressed north to the San Joaquin Valley. Warm weather conditions stimulated plant growth. Quality is reported to be good. In New York, wet fields delayed planting activities. However, fields were dry by late May allowing planting to proceed at a fast pace. In Pennsylvania, wet spring conditions delayed planting. However, some sweet corn growers report good crop development. In New Jersey, weather conditions have been favorable for the early sweet corn crop. Light harvest began around the first week in July. In Wisconsin, warm temperatures during early June benefited crop growth.

**Cucumbers:** Area for summer harvest is forecast at 4,000 acres, unchanged from 2010. New Jersey's early cucumber crop is reported to be in good condition. Light harvest began in late June. In Virginia, the crop was reported to be progressing well due to favorable weather conditions.

**Honeydews:** Fresh market area for summer harvest is forecast at 7,700 acres, down 11 percent from last year. In California, planting was ongoing for the summer melon crop in the San Joaquin Valley. Harvest in Arizona began in late May. Harvest was slightly delayed due to cooler than normal weather.

**Head lettuce:** California's area for summer harvest is forecast at 34,000 acres, up 6 percent from last year. Cool temperatures and rainfall hindered development of early planted lettuce. However, crop growth improved as temperatures rose later in the season. Quality was reported to be very good.

**Bell peppers:** New Jersey's area for summer harvest is forecast at 3,200 acres, down 3 percent from 2010. Development of pepper plants was one week behind schedule.

**Tomatoes:** Fresh market area for summer harvest is forecast at 32,600 acres, down 1 percent from last year. Michigan growers experienced a wet spring growing season. In New York, wet conditions during May delayed crop progress. In California, cool temperatures slowed plant growth. Growers report harvest is expected to begin in Central California by mid-July. In New Jersey, cold overnight temperatures during May into early June stalled tomato growth. However, hot and humid weather during mid to late June benefited plant development.



**Watermelons:** Summer area for harvest is forecast at 51,200 acres, down 6 percent from 2010. In California, cold spring temperatures delayed planting and crop development. Drought conditions across Mississippi and Georgia negatively impacted the watermelon crop.

## Strawberry Area Harvested, Yield, and Production – States and United States: 2009, 2010, and Forecasted 2011

[Includes fresh market and processing]

Season and State	Area Harvested			Yield per acre			Production		
	2009	2010	2011	2009	2010	2011	2009	2010	2011
	(acres)	(acres)	(acres)	(cwt)	(cwt)	(cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
California .....	39,800	38,600	38,000	625	670	655	24,856	25,829	24,890
Florida <sup>1</sup> .....	8,800	8,800	9,900	270	220	260	2,376	1,936	2,574
Oregon .....	1,700	1,900	1,900	125	125	131	211	235	249
United States .....	50,300	49,300	49,800	546	568	556	27,443	28,000	27,713

<sup>1</sup> 2011 forecast carried forward from *Vegetables* released April 1, 2011.

### Strawberry Production Down 1 Percent from 2010

**Strawberries:** Strawberry production in the United States is forecast at 27.7 million cwt, down 1 percent from 2010. Area harvested, at 49,800 acres, is up 1 percent from last year. In California, quality of the berry crop was less than ideal due to adverse weather conditions during February through May. However, warm June temperatures improved quality issues. In Oregon, harvest was delayed by wet spring conditions.

## Onion Area Planted, Harvested, and Yield by Season – States and United States: 2010 and Forecasted 2011

[Blank cells indicate estimation period has not yet begun]

Season and State	Area planted		Area harvested		Yield per acre	
	2010	2011	2010	2011	2010	2011
	(acres)	(acres)	(acres)	(acres)	(cwt)	(cwt)
<b>Spring</b> <sup>1</sup>						
Arizona <sup>2</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
California .....	6,400	6,500	6,200	6,300	410	450
Georgia .....	12,000	13,600	11,100	11,700	205	270
Texas .....	10,000	13,000	8,600	11,200	310	370
United States .....	28,400	33,100	25,900	29,200	289	347
<b>Summer non-storage</b> <sup>1</sup>						
California .....	6,800	6,900	6,600	6,700	490	590
Nevada .....	3,700	3,500	3,700	3,500	700	740
New Mexico .....	6,000	5,200	5,900	5,100	560	416
Texas .....	600	600	500	500	350	350
Washington <sup>3</sup> .....	2,000	2,200	2,000	2,200	330	350
United States .....	19,100	18,400	18,700	18,000	533	534
<b>Summer storage</b> <sup>4</sup>						
California <sup>5</sup> .....	30,100	31,700	29,000	30,500	450	
Colorado .....	7,500	7,600	7,200	7,200	400	
Idaho .....	9,200	9,000	9,000	8,800	760	
Michigan .....	4,200	4,000	4,000	3,900	220	
New York .....	10,700	10,000	9,800	9,500	315	
Oregon						
Malheur .....	11,300	11,300	11,300	11,300	760	
Other .....	8,900	9,400	8,900	9,400	700	
Washington .....	22,000	22,000	22,000	22,000	610	
Wisconsin .....	2,000	2,000	1,600	1,700	200	
Other States <sup>6</sup> .....	1,870	1,660	1,870	1,660	458	
Total storage .....	107,770	108,660	104,670	105,960	536	
<b>Total summer</b> .....	126,870	127,060	123,370	123,960	536	
<b>Total, spring and summer</b> .....	155,270	160,160	149,270	153,160	493	
Processed <sup>7</sup> .....	(X)	(X)	(X)	(X)	(X)	(X)

(NA) Not available.

(X) Not applicable.

<sup>1</sup> Primarily fresh market.

<sup>2</sup> Estimates discontinued in 2010.

<sup>3</sup> Includes Walla Walla and other non-storage onions.

<sup>4</sup> Yield and production for 2011 will be published October 4, 2011.

<sup>5</sup> Primarily dehydrated and other processing.

<sup>6</sup> Other States includes Ohio and Utah.

<sup>7</sup> California only, acreage and yield are not available.

## Onion Production, Shrinkage, and Loss by Season – States and United States: 2009, 2010, and Forecasted 2011

[Shrinkage and loss for 2011 will be published in the *Vegetables 2011 Summary* released January 2012. Blank cells indicate estimation period has not yet begun]

Season and State	Production			Shrinkage and loss	
	2009	2010	2011	2009	2010
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
<b>Spring</b> <sup>1</sup>					
Arizona <sup>2</sup> .....	576	(NA)	(NA)	(X)	(X)
California .....	2,460	2,542	2,835	(X)	(X)
Georgia .....	2,484	2,276	3,159	(X)	(X)
Texas .....	3,003	2,666	4,144	(X)	(X)
United States .....	8,523	7,484	10,138	(X)	(X)
<b>Summer non-storage</b> <sup>1</sup>					
California .....	3,456	3,234	3,953	(X)	(X)
Nevada .....	2,448	2,590	2,590	(X)	(X)
New Mexico .....	2,750	3,304	2,122	(X)	(X)
Texas .....	180	175	175	(X)	(X)
Washington <sup>3</sup> .....	750	660	770	(X)	(X)
United States .....	9,584	9,963	9,610	(X)	(X)
<b>Summer storage</b> <sup>4</sup>					
California <sup>5</sup> .....	14,287	13,050		250	250
Colorado .....	2,739	2,880		300	300
Idaho .....	6,512	6,840		651	1,090
Michigan .....	1,330	880		270	176
New York .....	4,275	3,087		641	361
Oregon					
Malheur .....	7,840	8,588		940	1,374
Other .....	5,460	6,230		660	1,059
Washington .....	13,230	13,420		1,200	1,300
Wisconsin .....	1,000	320		123	52
Other States <sup>6</sup> .....	819	857		135	150
Total storage .....	57,492	56,152		5,170	6,112
<b>Total summer</b> .....	67,076	66,115		5,170	6,112
<b>Total, spring and summer</b> .....	75,599	73,599		5,170	6,112
Processed <sup>7</sup> .....	10,875	9,389		(X)	(X)

(NA) Not available.

(X) Not applicable.

<sup>1</sup> Primarily fresh market.

<sup>2</sup> Estimates discontinued in 2010.

<sup>3</sup> Includes Walla Walla and other non-storage onions.

<sup>4</sup> Yield and production for 2011 will be published October 4, 2011.

<sup>5</sup> Primarily dehydrated and other processing.

<sup>6</sup> Other States includes Ohio and Utah.

<sup>7</sup> California only, shrinkage and loss not available.

## Onion Price and Value by Season – States and United States: 2009 and 2010

Season and State	Value per cwt		Total value	
	2009 (dollars)	2010 (dollars)	2009 (1,000 dollars)	2010 (1,000 dollars)
<b>Spring</b> <sup>1</sup>				
Arizona <sup>2</sup> .....	11.30	(NA)	6,509	(NA)
California .....	8.60	18.00	21,156	45,756
Georgia .....	32.90	49.70	81,724	113,117
Texas .....	13.70	58.00	41,141	154,628
United States .....	17.70	41.90	150,530	313,501
<b>Summer non-storage</b> <sup>1</sup>				
California .....	8.60	7.50	29,722	24,255
Nevada .....	35.00	26.00	85,680	67,340
New Mexico .....	19.60	27.40	53,900	90,530
Texas .....	38.20	38.20	6,876	6,685
Washington <sup>3</sup> .....	29.50	50.10	22,125	33,066
United States .....	20.70	22.30	198,303	221,876
<b>Summer storage</b>				
California <sup>4</sup> .....	9.54	12.00	133,941	153,600
Colorado .....	12.60	17.70	30,731	45,666
Idaho .....	13.80	8.70	80,882	50,025
Michigan .....	13.50	14.80	14,310	10,419
New York .....	18.60	19.70	67,592	53,702
Oregon				
Malheur .....	14.30	8.79	98,670	63,411
Other .....	13.50	9.05	64,800	46,798
Washington .....	16.40	11.20	197,292	135,744
Wisconsin .....	10.80	12.50	9,472	3,350
Other States <sup>5</sup> .....	11.30	15.80	7,704	11,160
Total storage .....	13.50	11.50	705,394	573,875
<b>Total summer</b> .....	14.60	13.30	903,697	795,751
<b>Total, spring and summer</b> .....	15.00	16.40	1,054,227	1,109,252
Processed <sup>6</sup> .....	10.00	8.30	108,750	77,929

(NA) Not available.

<sup>1</sup> Primarily fresh market.

<sup>2</sup> Estimates discontinued in 2010.

<sup>3</sup> Includes Walla Walla and other non-storage onions.

<sup>4</sup> Primarily dehydrated and other processing.

<sup>5</sup> Other States includes Ohio and Utah.

<sup>6</sup> California only.

## Onion Crop Comments

**Spring onions:** Production of spring onions in 2011 is forecast at 10.1 million cwt, up 35 percent from last year. The crop covered 29,200 harvested acres. The average yield is 347 cwt per acre, 58 cwt above 2010. Georgia's harvest was ahead of schedule. As of May 29, harvest was 95 percent complete. In Texas, planting was on schedule with excellent plant stands being reported. Harvest in the lower Rio Grande region began in early March. Harvest in the Laredo-Winter Garden region began in May and continued through late June.

**Summer, non-storage onions:** Production of non-storage onions is forecast at 9.61 million cwt, down 4 percent from last year. Harvested area covers 18,000 acres, down 4 percent from 2010. In California, the summer non-storage onion growing season received record rainfall. Excessive moisture increased fungal problems for the crop. In Nevada, the season started slow due to cool, wet weather. In New Mexico, the crop was reported to be in good condition. In Texas, the summer non-storage onion harvest was underway. In Washington, onion harvest was behind schedule.

**Summer, storage onions:** Growers expect to harvest 105,960 acres of storage onions this year, up 1 percent from last year. In Colorado, planting was on schedule with no major problems reported. California storage onion growers experienced a cool and wet growing season.

**2010 Storage onions, revised:** The final tally of 2010 storage onion production is 56.2 million cwt, down 2 percent from 2009. The 2010 storage crop is valued at \$574 million, a decline of 19 percent from 2009. Average price per cwt declined from \$13.50 in 2009 to \$11.50 in 2010. With spring and non-storage summer onions added in, total value of the 2010 harvested onions is \$1.11 billion, up 5 percent from 2009.

## Total and Contracted Acres for Five Major Processed Vegetables United States, 2005-2011



\* Preliminary, total for 2011 not yet available.

**Processing Vegetable Area Planted by Crop and Utilization United States: 2009, 2010, and Forecasted 2011 (Domestic Units)**

Utilization and crop	Planted			
	2009	2010		2011
	Total	Total	Contract <sup>1</sup>	Contract <sup>1</sup>
	(acres)	(acres)	(acres)	(acres)
<b>Canning</b>				
Snap beans .....	145,789	144,510	143,288	107,500
Sweet corn .....	196,400	168,600	168,600	151,500
Cucumber for pickles .....	100,500	92,300	83,800	74,600
Green peas .....	90,700	71,400	71,400	70,800
Tomatoes .....	331,900	290,000	288,000	276,500
United States .....	865,289	766,810	755,088	680,900
<b>Freezing</b>				
Snap beans .....	56,740	62,300	61,780	61,950
Sweet corn .....	205,800	181,400	181,400	186,950
Green peas .....	122,800	114,400	114,400	91,500
United States .....	385,340	358,100	357,580	340,400
<b>All processing</b>				
Snap beans .....	202,529	206,810	205,068	169,450
Sweet corn .....	402,200	350,000	350,000	338,450
Cucumbers for pickles .....	100,500	92,300	83,800	74,600
Green peas .....	213,500	185,800	185,800	162,300
Tomatoes .....	331,900	290,000	288,000	276,500
United States .....	1,250,629	1,124,910	1,112,668	1,021,300

<sup>1</sup> Includes acreage from major brokers.

**Processing Vegetable Production by Crop – United States: 2009, 2010, and Forecasted 2011 (Domestic Units)**

Crop	Production			
	2009	2010		2011
	Total	Total	Contract <sup>1</sup>	Contract <sup>1</sup>
	(tons)	(tons)	(tons)	(tons)
<b>All processing</b>				
Green peas .....	441,680	358,730	358,730	302,090
Tomatoes .....	13,970,560	12,776,280	12,691,280	12,787,620
United States .....	14,412,240	13,135,010	13,050,010	13,089,710

<sup>1</sup> Includes acreage from major brokers.



**Processing Vegetable Area Planted by Crop and United States: 2009, 2010, and Forecasted 2011  
(Metric Units)**

Utilization and crop	Planted			
	2009	2010		2011
	Total	Total	Contract <sup>1</sup>	Contract <sup>1</sup>
	(hectares)	(hectares)	(hectares)	(hectares)
<b>Canning</b>				
Snap beans .....	59,000	58,480	57,990	43,500
Sweet corn .....	79,480	68,230	68,230	61,310
Cucumber for pickles .....	40,670	37,350	33,910	30,190
Green peas .....	36,710	28,890	28,890	28,650
Tomatoes .....	134,320	117,360	116,550	111,900
United States <sup>2</sup> .....	350,170	310,320	305,580	275,550
<b>Freezing</b>				
Snap beans .....	22,960	25,210	25,000	25,070
Sweet corn .....	83,290	73,410	73,410	75,660
Green peas .....	49,700	46,300	46,300	37,030
United States <sup>2</sup> .....	155,940	144,920	144,710	137,760
<b>All processing</b>				
Snap beans .....	81,960	83,690	82,990	68,570
Sweet corn .....	162,770	141,640	141,640	136,970
Cucumbers for pickles .....	40,670	37,350	33,910	30,190
Green peas .....	86,400	75,190	75,190	65,680
Tomatoes .....	134,320	117,360	116,550	111,900
United States <sup>2</sup> .....	506,120	455,240	450,290	413,310

<sup>1</sup> Includes acreage from major brokers.

<sup>2</sup> Totals may not add due to rounding. Utilizations may not add to total crop because of rounding.

**Processing Vegetable Production by Crop – United States: 2009, 2010, and Forecasted 2011  
(Metric Units)**

Crop	Production			
	2009	2010		2011
	Total	Total	Contract <sup>1</sup>	Contract <sup>1</sup>
	(metric tons)	(metric tons)	(metric tons)	(metric tons)
<b>All processing</b>				
Green peas .....	400,680	325,430	325,430	274,050
Tomatoes .....	12,673,810	11,590,390	11,513,280	11,600,670
United States <sup>2</sup> .....	13,074,500	11,915,820	11,838,710	11,874,720

<sup>1</sup> Includes acreage from major brokers.

<sup>2</sup> Totals may not add due to rounding.

**Snap Beans for Processing Area Planted, Contracted, and Utilization – States and United States: 2009, 2010, and Forecasted 2011**

State and utilization	Planted			
	2009	2010		2011
	Total	Total	Contract <sup>1</sup>	Contract <sup>1</sup>
	(acres)	(acres)	(acres)	(acres)
Illinois .....	12,100	12,500	12,500	5,900
Indiana .....	4,600	5,600	5,200	4,400
Michigan .....	17,000	14,800	14,800	16,100
Minnesota .....	7,700	7,700	7,700	7,500
New York .....	20,000	25,600	25,055	19,100
Oregon .....	19,100	17,000	17,000	17,800
Pennsylvania .....	7,200	12,000	11,700	13,100
Wisconsin .....	83,600	80,600	80,600	64,000
Other States <sup>2</sup> .....	31,229	31,010	30,513	21,550
United States .....	202,529	206,810	205,068	169,450
Canning .....	145,789	144,510	143,288	107,500
Freezing .....	56,740	62,300	61,780	61,950

<sup>1</sup> Includes acreage from major brokers.

<sup>2</sup> Other States include California, Delaware, Florida, Georgia, Maryland, New Jersey, North Carolina, Texas, and Virginia.

**Sweet Corn for Processing Area Planted, Contracted, and Utilization – States and United States: 2009, 2010, and Forecasted 2011**

State and utilization	Planted			
	2009	2010		2011
	Total	Total	Contract <sup>1</sup>	Contract <sup>1</sup>
	(acres)	(acres)	(acres)	(acres)
Illinois .....	18,900	16,400	16,400	(D)
Minnesota .....	132,000	122,900	122,900	123,800
Oregon .....	24,200	20,200	20,200	(D)
Washington .....	84,200	66,400	66,400	68,800
Wisconsin .....	91,200	81,200	81,200	69,100
Other States <sup>2</sup> .....	51,700	42,900	42,900	76,750
United States .....	402,200	350,000	350,000	338,450
Canning .....	196,400	168,600	168,600	151,500
Freezing .....	205,800	181,400	181,400	186,950

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

<sup>1</sup> Includes acreage from major brokers.

<sup>2</sup> Other States include Delaware, Idaho, Iowa, Maryland, New Jersey, New York, and Pennsylvania. Beginning in 2011, Other States include Illinois and Oregon.

**Cucumbers for Pickles Area Planted and Contracted – States and United States: 2009, 2010, and Forecasted 2011**

State	Planted					
	2009	2010		2011 Contract <sup>1</sup>		
	Total	Total	Contract <sup>1</sup>	Early	Late	All
	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)
Florida .....	7,000	9,800	7,800	5,000	-	5,000
Indiana .....	1,500	1,500	1,500	1,200	-	1,200
Michigan .....	33,000	32,000	30,000	29,000	-	29,000
North Carolina .....	10,000	9,700	8,100	7,000	1,000	8,000
Ohio .....	2,700	2,100	1,900	3,200	-	3,200
South Carolina .....	2,200	2,000	2,000	(D)	(D)	2,000
Texas .....	7,600	6,100	4,500	4,200	1,000	5,200
Wisconsin .....	6,500	6,300	6,200	5,600	-	5,600
Other States <sup>2</sup> .....	30,000	22,800	21,800	15,600	1,800	15,400
United States .....	100,500	92,300	83,800	70,800	3,800	74,600

- Represents zero.

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

<sup>1</sup> Includes acreage from major brokers.

<sup>2</sup> Other States include Alabama, California, Delaware, Georgia, and Maryland.

**Green Peas for Processing Area Planted, Contracted, and Utilization – States and United States: 2009, 2010, and Forecasted 2011**

State and utilization	Planted			
	2009	2010		2011
	Total	Total	Contract <sup>1</sup>	Contract <sup>1</sup>
	(acres)	(acres)	(acres)	(acres)
Delaware .....	5,500	3,900	3,900	(D)
Minnesota .....	77,300	62,700	62,700	69,400
Oregon .....	18,300	15,700	15,700	(D)
Washington .....	41,300	34,100	34,100	26,800
Wisconsin .....	41,400	42,300	42,300	33,300
Other States <sup>2</sup> .....	29,700	27,100	27,100	32,800
United States .....	213,500	185,800	185,800	162,300
Canning .....	90,700	71,400	71,400	70,800
Freezing .....	122,800	114,400	114,400	91,500

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

<sup>1</sup> Includes acreage from major brokers.

<sup>2</sup> Other States include Illinois, Maryland, New Jersey, and New York. Beginning in 2011, Other States includes Delaware and Oregon.

**Green Peas for Processing Area Harvested, and Contracted – States and United States: 2009, 2010, and Forecasted 2011**

State and utilization	Harvested			
	2009	2010		2011
	Total	Total	Contract <sup>1</sup>	Contract <sup>1</sup>
	(acres)	(acres)	(acres)	(acres)
Delaware .....	5,500	3,900	3,900	(D)
Minnesota .....	73,100	58,300	58,300	67,500
Oregon .....	17,600	14,500	14,500	(D)
Washington .....	40,200	33,800	33,800	26,800
Wisconsin .....	40,800	41,500	41,500	32,500
Other States <sup>2</sup> .....	28,200	23,400	23,400	32,300
United States .....	205,400	175,400	175,400	159,100

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

<sup>1</sup> Includes acreage from major brokers.

<sup>2</sup> Other States include Illinois, Maryland, New Jersey, and New York. Beginning in 2011, Other States include Delaware and Oregon.

**Green Peas for Processing Yield, Production, and Contracted – States and United States: 2009, 2010, and Forecasted 2011**

State and utilization	Yield per acre			Production			
	2009	2010	2011	2009	2010		2011
	Total	Total	Contract <sup>1</sup>	Total	Total	Contract <sup>1</sup>	Contract <sup>1</sup>
	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)
Delaware .....	1.82	1.80	(D)	10,030	7,020	7,020	(D)
Minnesota .....	2.08	1.80	1.50	151,760	104,910	104,910	101,250
Oregon .....	1.78	1.98	(D)	31,400	28,700	28,700	(D)
Washington .....	2.49	2.66	2.80	100,100	89,910	89,910	75,040
Wisconsin .....	2.25	2.04	2.04	91,760	84,510	84,510	66,300
Other States <sup>2</sup> .....	2.01	1.87	1.84	56,630	43,680	43,680	59,500
United States .....	2.15	2.05	1.90	441,680	358,730	358,730	302,090

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

<sup>1</sup> Includes acreage from major brokers.

<sup>2</sup> Other States include Illinois, Maryland, New Jersey, and New York. Beginning in 2011, Other States include Delaware and Oregon.

**Tomatoes for Processing Area Planted, Contracted, and Production – States and United States: 2009, 2010, and Forecasted 2011**

State	Planted			
	2009	2010		2011
	Total	Total	Contract <sup>1</sup>	Contract <sup>1</sup>
	(acres)	(acres)	(acres)	(acres)
California .....	312,000	271,000	269,000	258,000
Indiana .....	9,800	9,600	9,600	9,300
Michigan .....	3,500	3,500	3,500	3,400
Ohio .....	6,600	5,900	5,900	5,800
United States .....	331,900	290,000	288,000	276,500

  

State	Production			
	2009	2010		2011
	Total	Total	Contract <sup>1</sup>	Contract <sup>1</sup>
	(tons)	(tons)	(tons)	(tons)
California .....	13,314,000	12,297,000	12,212,000	12,200,000
Indiana .....	321,340	205,440	205,440	299,420
Michigan .....	132,600	115,500	115,500	120,000
Ohio .....	202,620	158,340	158,340	168,200
United States .....	13,970,560	12,776,280	12,691,280	12,787,620

<sup>1</sup> Includes acreage from major brokers.

## Processing Crop Comments

**Snap beans:** Processors contracted 169,450 acres for harvest in 2011, down 17 percent from the previous year. Canning area, at 107,500 acres, is down 25 percent from last year. Area contracted for freezing, at 61,950 acres, is up slightly from last year. In Wisconsin, rainfall and cool spring conditions delayed crop development. In Michigan, spring showers delayed planting activities. In Oregon, cool, wet weather delayed field preparation and planting. In Pennsylvania, wet weather delayed spring planting. In Minnesota, field preparation was delayed due to cold and rainy conditions during April. Below normal temperatures hindered crop development.

**Sweet corn:** Processors contracted 338,450 acres for harvest in 2011, down 3 percent from last year. Canning area, at 151,500 acres, is down 10 percent from 2010. Area contracted for freezing, at 186,950 acres, is up 3 percent from last year. In Minnesota, planting was behind schedule due to cool and wet conditions. As of June 19, sweet corn planting was 75 percent complete. In Wisconsin, planting was delayed due to excess rain and cool temperatures.

**Cucumbers for pickles:** Pickle processors contracted 74,600 acres for harvest in 2011, down 11 percent from last year. In Indiana, planting was delayed due to excessive rainfall. In Michigan, planting was a week behind schedule due to wet conditions. Ohio's crop was 80 percent planted by June 19.

**Green peas:** Contracted production is forecast at 302,090 tons, down 16 percent from last year. Area for harvest, at 159,100 acres, is down 9 percent from 2010. The expected yield, at 1.90 tons per acre, is 0.15 tons less than a year ago. Area contracted for planting, at 162,300 acres, is down 13 percent from 2010. Area contracted for canning, at 70,800 acres, is down 1 percent from last year. Area contracted for freezing, at 91,500 acres, is down 20 percent from 2010. In Minnesota, harvest was seven to ten days behind schedule due to cool temperatures and wet field conditions. As of May 22, planting was 69 percent complete. In Wisconsin, cool temperatures and wet fields delayed planting activities.

**Tomatoes:** Contracted production is forecast at 12.8 million tons, up 1 percent from last year. Planted area contracted, at 276,500 acres, is down 4 percent from 2010. In California, wet weather and cool temperatures hindered crop development and delayed planting activities. However, the crop was reported to be in good condition. In Indiana, planting was delayed due to excessive rainfall during the first few weeks in June. Michigan growers experienced wet spring conditions across the State. In Ohio, excessive wet weather during late spring delayed planting activities.

**Onion Prices Received Monthly – States and United States: 2008-2010**

State and year	January (dollars per cwt)	February (dollars per cwt)	March (dollars per cwt)	April (dollars per cwt)	May (dollars per cwt)	June (dollars per cwt)
<b>Spring onions</b>						
California						
2008 .....	(S)	(S)	(S)	6.83	7.70	9.30
2009 .....	(S)	(S)	(S)	6.80	7.70	9.30
2010 .....	(S)	(S)	(S)	27.80	19.20	16.00
Georgia						
2008 .....	(S)	(S)	(S)	(S)	30.10	27.10
2009 .....	(S)	(S)	(S)	(S)	31.70	31.20
2010 .....	(S)	(S)	(S)	63.50	48.00	45.40
Texas						
2008 .....	(S)	(S)	(S)	13.80	15.80	14.80
2009 .....	(S)	(S)	(S)	13.70	13.70	16.30
2010 .....	(S)	(S)	(S)	71.10	44.40	37.20
United States						
2008 .....	(S)	(S)	(S)	28.00	23.90	17.60
2009 .....	(S)	(S)	(S)	13.50	10.40	11.10
2010 .....	(S)	(S)	(S)	29.10	19.30	16.10
<b>Summer onions non-storage</b>						
California						
2008 .....	(S)	(S)	(S)	(S)	(S)	(S)
2009 .....	(S)	(S)	(S)	(S)	(S)	(S)
2010 .....	(S)	(S)	(S)	(S)	(S)	(S)
New Mexico						
2008 .....	(S)	(S)	(S)	(S)	(S)	13.50
2009 .....	(S)	(S)	(S)	(S)	(S)	18.70
2010 .....	(S)	(S)	(S)	(S)	(S)	26.40
Texas						
2008 .....	(S)	(S)	(S)	(S)	(S)	(S)
2009 .....	(S)	(S)	(S)	(S)	(S)	(S)
2010 .....	(S)	(S)	(S)	(S)	(S)	(S)
Washington <sup>1</sup>						
2008 .....	(S)	(S)	(S)	(S)	(S)	(S)
2009 .....	(S)	(S)	(S)	(S)	(S)	34.30
2010 .....	(S)	(S)	(S)	(S)	(S)	52.40
United States						
2008 .....	(S)	(S)	(S)	(S)	(S)	13.50
2009 .....	(S)	(S)	(S)	(S)	(S)	21.20
2010 .....	(S)	(S)	(S)	(S)	(S)	52.40
<b>Summer onions storage</b>						
California						
2008 .....	(S)	(S)	(S)	(S)	(S)	(S)
2009 .....	(S)	(S)	(S)	(S)	(S)	(S)
2010 .....	(S)	(S)	(S)	(S)	(S)	(S)
Colorado						
2008 .....	9.00	7.70	(S)	(S)	(S)	(S)
2009 .....	13.30	(S)	(S)	(S)	(S)	(S)
2010 .....	15.80	(S)	(S)	(S)	(S)	(S)
Idaho <sup>1</sup>						
2008 .....	2.30	1.80	1.30	1.90	(S)	(S)
2009 .....	7.10	5.70	5.20	4.40	(S)	(S)
2010 .....	10.30	14.60	33.20	31.80	(S)	(S)
Michigan						
2008 .....	10.10	10.20	10.30	(S)	(S)	(S)
2009 .....	14.10	15.30	15.50	(S)	(S)	(S)
2010 .....	13.40	16.90	(S)	(S)	(S)	(S)

See footnote(s) at end of table.

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**Onion Prices Received Monthly – States and United States: 2008-2010 (continued)**

State and year	July	August	September	October	November	December
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)
<b>Spring onions</b>						
California						
2008 .....	(S)	(S)	(S)	(S)	(S)	(S)
2009 .....	13.90	(S)	(S)	(S)	(S)	(S)
2010 .....	(S)	(S)	(S)	(S)	(S)	(S)
Georgia						
2008 .....	31.30	(S)	(S)	(S)	(S)	(S)
2009 .....	(S)	(S)	(S)	(S)	(S)	(S)
2010 .....	51.40	54.80	(S)	(S)	(S)	(S)
Texas						
2008 .....	(S)	(S)	(S)	(S)	(S)	(S)
2009 .....	(S)	(S)	(S)	(S)	(S)	(S)
2010 .....	(S)	(S)	(S)	(S)	(S)	(S)
United States						
2008 .....	31.30	(S)	(S)	(S)	(S)	(S)
2009 .....	13.90	(S)	(S)	(S)	(S)	(S)
2010 .....	51.40	54.80	(S)	(S)	(S)	(S)
<b>Summer onions non-storage</b>						
California						
2008 .....	8.85	8.20	8.80	(S)	(S)	(S)
2009 .....	9.00	8.00	(S)	(S)	(S)	(S)
2010 .....	8.00	6.80	(S)	(S)	(S)	(S)
New Mexico						
2008 .....	14.60	(S)	(S)	(S)	(S)	(S)
2009 .....	20.00	(S)	(S)	(S)	(S)	(S)
2010 .....	31.40	21.90	(S)	(S)	(S)	(S)
Texas						
2008 .....	32.70	34.00	(S)	(S)	(S)	(S)
2009 .....	36.80	39.50	(S)	(S)	(S)	(S)
2010 .....	(S)	(S)	(S)	(S)	(S)	(S)
Washington <sup>1</sup>						
2008 .....	29.90	(S)	(S)	(S)	(S)	(S)
2009 .....	28.40	27.80	(S)	(S)	(S)	(S)
2010 .....	49.50	(S)	(S)	(S)	(S)	(S)
United States						
2008 .....	15.20	8.20	8.80	(S)	(S)	(S)
2009 .....	15.50	10.50	(S)	(S)	(S)	(S)
2010 .....	16.80	6.80	(S)	(S)	(S)	(S)
<b>Summer onions storage</b>						
California						
2008 .....	8.85	8.20	8.80	(S)	(S)	(S)
2009 .....	9.30	6.20	(S)	(S)	(S)	(S)
2010 .....	12.70	13.00	10.00	8.30	15.80	8.80
Colorado						
2008 .....	(S)	18.90	20.40	20.20	15.50	13.70
2009 .....	(S)	19.00	14.30	13.30	11.60	11.70
2010 .....	(S)	20.10	16.80	15.10	18.20	18.20
Idaho <sup>1</sup>						
2008 .....	(S)	7.10	10.40	9.50	8.10	7.20
2009 .....	(S)	10.50	9.40	7.40	7.00	6.70
2010 .....	(S)	8.30	10.30	9.20	9.80	10.40
Michigan						
2008 .....	(S)	(S)	17.50	16.30	15.10	14.00
2009 .....	(S)	(S)	15.10	12.70	12.20	12.20
2010 .....	(S)	19.60	16.30	12.00	14.10	14.40

See footnote(s) at end of table.

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**Onion Prices Received Monthly – States and United States: 2008-2010 (continued)**

State and year	January	February	March	April	May	June
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)
<b>Summer onions storage</b>						
New York						
2008 .....	10.80	10.40	9.70	9.00	9.00	(S)
2009 .....	16.70	17.00	15.00	13.90	11.70	(S)
2010 .....	11.00	14.90	29.90	39.20	37.30	(S)
Oregon-Malheur area <sup>1</sup>						
2008 .....	2.32	1.75	1.34	1.77	(S)	(S)
2009 .....	7.17	6.33	5.18	5.27	(S)	(S)
2010 .....	10.40	14.80	33.10	34.50	(S)	(S)
Oregon-all other areas <sup>1</sup>						
2008 .....	5.26	4.92	4.51	5.07	(S)	(S)
2009 .....	7.34	6.66	4.02	3.98	(S)	(S)
2010 .....	10.30	13.50	33.30	48.80	(S)	(S)
Washington <sup>1</sup>						
2008 .....	3.50	2.50	1.20	2.50	(S)	(S)
2009 .....	7.85	6.80	5.50	5.20	4.80	(S)
2010 .....	11.00	15.40	37.80	60.90	(S)	(S)
United States						
2008 .....	4.13	3.15	2.53	3.26	9.00	(S)
2009 .....	9.01	7.97	6.58	5.92	4.80	(S)
2010 .....	11.20	15.00	34.20	45.20	37.30	(S)
<b>All summer onions</b>						
United States						
2008 .....	4.13	3.15	2.53	3.26	9.00	(S)
2009 .....	9.01	7.97	6.58	5.92	4.80	21.20
2010 .....	11.20	15.00	34.20	45.20	37.30	52.40
<b>All onions</b>						
United States						
2008 .....	4.13	3.15	2.53	10.60	23.90	17.60
2009 .....	9.01	7.97	6.58	9.48	9.31	14.70
2010 .....	11.20	15.00	34.20	29.90	19.30	16.10

See footnote(s) at end of table.

--continued

**Onion Prices Received Monthly – States and United States: 2008-2010 (continued)**

State and year	July	August	September	October	November	December
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)
<b>Summer onions storage</b>						
New York						
2008 .....	(S)	(S)	20.80	16.60	16.70	16.00
2009 .....	(S)	(S)	17.70	14.90	13.40	12.60
2010 .....	(S)	22.00	18.80	16.80	18.70	21.70
Oregon-Malheur area <sup>1</sup>						
2008 .....	(S)	7.20	9.85	9.47	8.03	6.99
2009 .....	(S)	10.70	9.34	7.29	7.05	6.50
2010 .....	(S)	8.42	10.30	9.23	10.20	10.40
Oregon-all other areas <sup>1</sup>						
2008 .....	(S)	10.20	7.08	7.22	7.99	7.86
2009 .....	(S)	12.40	7.62	7.34	7.82	7.21
2010 .....	(S)	14.80	10.30	7.59	10.50	11.90
Washington <sup>1</sup>						
2008 .....	8.10	9.00	12.00	12.10	8.00	8.60
2009 .....	12.70	13.30	8.50	6.50	6.20	5.50
2010 .....	25.60	16.60	13.30	12.00	12.00	11.80
United States						
2008 .....	8.71	8.83	11.40	11.50	10.90	9.71
2009 .....	9.39	7.59	10.20	9.09	8.55	7.76
2010 .....	13.60	13.70	11.70	9.61	12.10	11.60
<b>All summer onions</b>						
United States						
2008 .....	12.00	8.72	11.20	11.50	10.90	9.71
2009 .....	12.50	8.11	10.20	9.09	8.55	7.76
2010 .....	15.20	12.50	11.70	9.61	12.10	11.60
<b>All onions</b>						
United States						
2008 .....	13.10	8.72	11.20	11.50	10.90	9.71
2009 .....	12.50	8.11	10.20	9.09	8.55	7.76
2010 .....	16.30	13.10	11.70	9.61	12.10	11.60

(S) Insufficient number of reports to establish an estimate.

<sup>1</sup> Equivalent packinghouse door returns.

## Statistical Methodology

**Survey Procedures:** Acreage and production information included in this report is collected six times during the year. Acreage forecasts are obtained on a quarterly basis for fresh market and processing vegetables. For fresh market vegetables, growers are surveyed seasonally for estimates of crops such as onions and strawberries. Producers growing multiple fresh market crops are surveyed at seasonal intervals in major producing States for the remaining vegetable crops in the program. Data are collected by telephone interviews, mail out, faxed questionnaires, and personal interviews. Data accuracy and reducing respondent burden are taken into account in conducting the surveys. The most desirable survey method is to do a complete enumeration of growers. When this is not possible, a mail inquiry, sent to a sample of growers, is conducted. Due to the variable nature of the vegetable industry, mail lists are frequently updated to ensure complete coverage.

**Summary and Estimation Procedures:** The vegetable surveys collect data in the major producing States for each respective commodity. States with a small number of growers survey all known commercial producers of vegetable commodities. States with a large number of producers contact a sample of growers to get data. Sampling may still result in a census for some vegetables.

**Revision Policy:** Quarterly vegetables reports are released by season (winter in January, spring in April, summer in July, and fall in October) and they are not subject to revisions, except for summer storage onion estimates in July.

**Reliability:** Survey indications are subject to sampling variability because all operations growing vegetables are not included in the sample. Survey results are also subject to non-sampling errors such as omission, duplication, imputation for missing data, 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)

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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
Dan Norris – Austrian Winter Peas, Dry Edible Peas, Lentils, Mints, Mushrooms, Peaches, Pears, Wrinkled Seed Peas, Dry Beans .....	(202) 720-3250
Kim Ritchie – Hops.....	(360) 709-2400
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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