

Vegetables



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Processing Vegetable Production Up 2 Percent

Processing Vegetable production for the four major crops on contract is forecast at 14.9 million tons, a gain of 2 percent from last year and 10 percent above 1989. Sweet corn production is expected to increase 7 percent and tomatoes are expected to be up 1 percent from last year.

Storage Onion production (excluding California) is forecast at 27.1 million cwt, down 6 percent from last year but 5 percent above 1989. Total annual production of onions is forecast at 50.6 million cwt, down 4 percent from last year but 6 percent above two years ago.

Asparagus production in the major producing States is expected to total 2.18 million cwt, 7 percent less than last year.

Strawberry production in the major States is estimated at 12.7 million cwt, up 6 percent from 1990.

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Processed Vegetable Production Up 2 Percent

U.S. vegetable processors expect to take in 14.9 million tons of raw product from four major crops in 1991. This is up 2 percent from last year and 10 percent above two years ago. Canning tomato production is forecast at 10.3 million tons, up 1 percent from last year while sweet corn intake is forecast at 3.34 million tons, up 7 percent. Snap beans and green peas, which were carried forward from an earlier forecast, were down 2 and 6 percent, respectively. Contract acreage totalling 1.45 million acres for harvest is up 3 percent from last year with each of the four crop acreages near or above a year earlier.

Sweet Corn: Production of sweet corn for processing, forecast at 3.34 million tons, is expected to jump 7 percent from last year and 14 percent from two years ago. Acreage for harvest, estimated at 528,120 acres on contract, is up 8 percent from last year and 14 percent above 1989. The average yield is projected at 6.32 tons per acre, down 1 percent from a year ago.

Eastern States suffered drought damage brought on by excessive heat during the growing season. The average yields are down 50 percent in Pennsylvania and down 13 percent in New York. Delaware and Maryland yields are also down but higher acreage and the use of irrigation will mean increased production for both States. Each of the Central and Western States expect larger crops of sweet corn than last year although dry weather hurt some mid-west States toward the end of the growing season. Western States got off to a slow start but good summer growing weather helped produce abundant crops.

Tomatoes For Canning: Production of tomatoes for processing is forecast at 10.3 million tons this season, a gain of 1 percent from a year ago and 11 percent above two years ago. With harvest underway, this forecast is 6 percent below June's projections based on contract tonnage agreements. Acreage for harvest is estimated at 356,310 acres, up 2 percent from a year ago and 14 percent above 1989. The average yield per acre should be 29.0 tons, a little below last year.

California tomato production is forecast at 9.45 million tons, a gain of 3 percent over last year. The yield forecast of 30.0 tons per acre is below the last two years due to the late spring start, and slow, uneven ripening brought on by cooler than normal weather. Yields are also down in most mid-western and eastern producing States.

**Processing Vegetables: Area Harvested and Production, by Crop, 1989-91
(Domestic Units)**

Crop	Harvested Area			
	1989 Total	1990		Indicated 1991
		Total	Contract	Contract
Acres				
All Processing 1/				
Snap Beans	249,000	245,930	225,930	226,480
Sweet Corn	464,450	490,080	489,580	528,120
Green Peas	316,500	341,100	341,100	340,500
Tomatoes	320,850	354,700	348,060	356,310
Total	1,350,800	1,431,810	1,404,670	1,451,410
Cucumbers for Pickles 2/	124,170	115,490	102,060	
Total 5 Vegetables	1,474,970	1,547,300	1,506,730	
Production				
	1989 Total	1990		Indicated 1991
		Total	Contract	Contract
Tons				
All Processing 1/				
Snap Beans	869,700	795,550	737,800	726,670
Sweet Corn	2,949,340	3,120,610	3,116,670	3,335,590
Green Peas	504,660	528,150	528,150	497,860
Tomatoes	9,484,470	10,355,260	10,187,680	10,331,240
Total	13,808,170	14,799,570	14,570,300	14,891,360
Cucumbers for Pickles 2/	642,690	656,570	577,640	
Total 5 Vegetables	14,450,860	15,456,140	15,147,940	

1/ Snap beans and green peas carried forward from earlier forecasts.

2/ Cucumbers for pickles will be published December 16, 1991.

**Processing Vegetables: Area Harvested and Production, by Crop, 1989-91
(Metric Units)**

Crop	Harvested Area			
	1989 Total	1990		Indicated 1991 Contract
		Total	Contract	
Hectares				
All Processing 1/				
Snap Beans	100,770	99,530	91,430	91,650
Sweet Corn	187,960	198,330	198,130	213,720
Green Peas	128,080	138,040	138,040	137,800
Tomatoes	129,840	143,540	140,860	144,200
Total	546,650	579,440	568,460	587,370
Cucumbers for Pickles 2/	50,250	46,740	41,300	
Total 5 Vegetables	596,900	626,180	609,760	
Production				
	1989 Total	1990		Indicated 1991 Contract
		Total	Contract	
	Metric Tons			
All Processing 1/				
Snap Beans	788,970	721,710	669,320	659,220
Sweet Corn	2,675,580	2,830,950	2,827,380	3,025,980
Green Peas	457,820	479,130	479,130	451,650
Tomatoes	8,604,120	9,394,080	9,242,060	9,372,290
Total	12,526,490	13,425,870	13,217,890	13,509,140
Cucumbers for Pickles 2/	583,040	595,630	524,020	
Total 5 Vegetables	13,109,530	14,021,500	13,741,910	

1/ Snap beans and green peas carried forward from earlier forecasts.

2/ Cucumbers for pickles will be published December 16, 1991.

**Sweet Corn for Processing: Area Harvested, Yield, and Production,
by States and U.S., 1989-91**

State	Harvested Area						
	1989			1990			Indicated 1991 Contract
	Total			Total			
Acres							
DE	6,300			6,100	6,100		6,900
ID	20,200			20,100	20,100		22,900
IL	36,100			34,500	34,500		41,500
MD	4,600			7,100	7,000		8,400
MI							8,000
MN	106,700			130,000	130,000		133,000
NY	27,700			29,700	29,700		30,000
OR	45,500			47,200	47,200		45,000
PA	2,000			3,500	3,500		2,600
WA	51,200			56,300	55,900		56,000
WI	152,000			141,200	141,200		162,000
Oth Sts 1/	12,150			14,380	14,380		11,820
US	464,450			490,080	489,580		528,120
Yield Per Acre : Production							
1989		Indicated:		1990		Indicated	
Total	Total	1991	1989	Total	Total	1991	Contract
Tons							
DE	5.46	5.77	5.50	34,400	35,200	35,200	37,950
ID	9.01	8.28	8.55	182,000	166,430	166,430	195,800
IL	5.61	5.17	4.50	202,520	178,370	178,370	186,750
MD	5.24	6.14	5.65	24,100	43,590	43,200	47,460
MI			6.20				49,600
MN	6.10	5.79	6.00	650,870	752,700	752,700	798,000
NY	4.00	5.60	4.85	110,800	166,320	166,320	145,500
OR	8.68	8.40	9.20	394,940	396,480	396,480	414,000
PA	4.89	4.60	2.30	9,780	16,100	16,100	5,980
WA	9.19	8.38	8.50	470,530	471,790	468,240	476,000
WI	5.33	5.73	5.70	810,160	809,080	809,080	923,400
Oth Sts 1/	4.88	5.88	4.67	59,240	84,550	84,550	55,150
US	6.35	6.37	6.32	2,949,340	3,120,610	3,116,670	3,335,590

1/ 1989 - IN, IA, MI, AND VA.
1990 - IN, IA, MI, OH, AND VA.
1991 - IN, IA, OH, AND VA.

**Tomatoes for Processing: Area Harvested, Yield, and Production,
by States and U.S., 1989-91**

State	Harvested Area						
	1989			1990			Indicated 1991 Contract
	Total	Contract		Total	Contract		
Acres							
CA	276,500			310,000		305,000	315,000
CO	190			150		150	200
DE	470						
IN	7,800			7,600		7,600	8,200
MD	970						
MI	5,400			5,700		5,600	6,300
NJ	3,000			3,300		3,200	2,700
NY	1,900			2,100		2,100	
OH	17,500			17,100		16,500	16,200
PA	1,700			1,800		1,800	1,500
Oth Sts 1/	5,420			6,950		6,110	6,210
US	320,850			354,700		348,060	356,310
Yield Per Acre :							
Production							
: Indicated:			1990			Indicated 1991 Contract	
1989	1990	1991	1989	1991			
Total	Total	Contract	Total	Total	Contract		
Tons							
CA	31.05	30.02	30.00	8,585,330	9,306,200	9,170,000	9,450,000
CO	19.00	15.93	18.00	3,610	2,390	2,390	3,600
DE	7.77			3,650			
IN	20.20	25.40	23.50	157,560	193,040	193,040	192,700
MD	12.69			12,310			
MI	24.60	29.80	25.00	132,840	169,860	166,880	157,500
NJ	10.53	17.28	18.90	31,590	57,020	55,300	51,030
NY	18.63	18.95		35,400	39,800	39,800	
OH	22.36	25.41	21.50	391,300	434,510	418,000	348,300
PA	20.80	19.40	16.50	35,360	34,920	34,920	24,750
Oth Sts 1/	17.62	16.91	16.64	95,520	117,520	107,350	103,360
US	29.56	29.19	29.00	9,484,470	10,355,260	10,187,680	10,331,240

1/ 1989 - FL, IL, IA, SC, TX, AND VA.

1990 - DE, FL, IL, IA, MD, SC, TX, AND VA.

1991 - DE, FL, IL, IA, MD, NY, SC, TX, AND VA.

Asparagus and Onion Production Down, Strawberry Production Up

Asparagus: Production of asparagus in the major producing States is estimated at 2.18 million cwt, 7 percent less than a year ago. Harvested acreage, at 87,400 acres, is down 4 percent from 1990. Yield is estimated at 25 cwt per acre, compared with 26 cwt per acre in 1990.

Strawberries: The strawberry production estimate for the major producing States is 12.7 million cwt, a 6 percent increase from the previous year. The harvested area, at 36,200 acres, decreased 1 percent. Yield is 351 cwt per acre, 7 percent more than a year ago.

Onions: Annual production of all onions (including all seasons) is forecast at 50.6 million cwt, down 4 percent from last year but 6 percent above two years ago. Acreage for harvest is estimated at 137,150 acres, down 1 percent from last year while the average yield of 369 cwt per acre is down 3 percent.

Storage onions: Production of summer storage onions (excluding California) is forecast at 27.1 million cwt, off 6 percent from last year but 5 percent above two years ago. Harvested area is estimated at 66,050 acres, a 1 percent gain from last year but the average forecast yield of 410 cwt per acre is down 7 percent.

Harvest is started or at hand in most States. Yields are generally lower than last year except in Idaho and Oregon. A wet spring and cool summer weather are most often blamed. Drought in New York curtailed both planting and growing activities resulting in sharply lower yields.

California production is forecast at 11.8 million cwt, up 2 percent from last year. Cool weather most of the season has been favorable for good quality and yields.

Spring Onions: The end-of-season report on spring onions places production at 7.26 million cwt, down 5 percent from last year and 2 percent below 1989. Acreage harvested was the same as last year. Cool, wet weather, and excessive rainfall in Georgia took a heavy toll with production down 40 percent from last year. The 1991 spring onion crop was valued at \$139 million, a gain of 13 percent over last year.

Asparagus, Onions and Strawberries, Major States, 1990-91

Crop and State	Area				Yield per Acre	
	Planted		Harvested		1990	1991
	1990	1991	1990	1991		
	Acres				Cwt	
Asparagus: 1/						
CA	38,600	35,500	35,900	33,500	29	28
MI	24,000	24,000	23,500	23,500	11	11
NJ	1,500	1,400	1,400	1,400	23	17
WA	31,000	30,000	30,000	29,000	34	33
Group Total	95,100	90,900	90,800	87,400	26	25
Onions: 2/						
Spring						
AZ	1,000	900	1,000	900	475	500
CA	8,500	9,000	8,500	8,000	420	385
GA	5,700	7,000	5,600	6,000	195	110
TX	14,100	13,100	12,600	12,800	200	240
Group Total	29,300	30,000	27,700	27,700	276	262
Strawberries: 1/						
Winter						
FL	5,400	5,500	5,300	5,500	220	240
Spring						
CA	21,000	21,100	21,000	21,100	470	500
MI	2,400	2,300	2,200	2,100	65	62
NJ	600	500	500	500	42	38
OR	5,900	5,700	5,700	5,600	115	110
WA	1,800	1,400	1,800	1,400	70	60
Group Total	31,700	31,000	31,200	30,700	347	371
Major States Total	37,100	36,500	36,500	36,200	328	351

See footnotes on page 5.

Asparagus, Onions and Strawberries, Major States, 1990-91

Crop and State	Production		Value			
	1990	1991	Per Cwt		Total	
			1990	1991	1990	1991
	-- 1,000 Cwt --		---- Dollars----		- 1,000 Dollars -	
Asparagus: 1/						
CA	1,041	938	68.00	78.10	70,833	73,258
MI	259	259	56.70	54.50	14,685	14,126
NJ	32	24	68.00	75.90	2,176	1,822
WA	1,020	957	53.80	59.50	54,916	56,932
Group Total	2,352	2,178	60.60	67.10	142,610	146,138
Onions: 2/						
Spring						
AZ	475	450	10.50	8.87	5,006	3,991
CA	3,570	3,080	11.10	18.10	39,627	55,748
GA	1,092	660	32.40	31.50	35,381	20,790
TX	2,520	3,072	17.00	19.10	42,840	58,675
Group Total	7,657	7,262	16.00	19.20	122,854	139,204
Strawberries: 1/						
Winter						
FL	1,166	1,320	64.60	64.30	75,324	84,876
Spring						
CA	9,870	10,550	42.30	42.90	417,728	452,807
MI	143	130	50.50	49.50	7,215	6,430
NJ	21	19	87.50	67.00	1,838	1,273
OR	656	616	46.30	50.80	30,388	31,273
WA 3/	126	84	51.20	62.50	6,446	5,248
Group Total	10,816	11,399	42.90	43.60	463,615	497,031
Major States						
Total	11,982	12,719	45.00	45.80	538,939	581,907

1/ Includes fresh and processing.

2/ Primarily fresh market.

3/ Excludes the following quantities not harvested or not marketed because of economic conditions: 1990 - WA, 8,000 cwt.

**Onions: Acreage, Yield, and Production, by Season and Type,
by State, 1989-91**

Season and State	Area			Yield Per Acre		
	Harvested		For	1989	1990	1991
	1989	1990	Harvest 1991			
	Acres			Cwt		
Spring	28,500	27,700	27,700	259	276	262
Summer						
Non-Storage	13,000	14,700	12,400	351	321	358
Storage:						
CO	13,800	13,500	13,200	400	380	350
ID & OR-Malheur	17,200	17,600	18,500	540	585	590
MI	7,900	7,400	7,300	280	330	320
MN	670	540	960	240	385	305
NY	11,200	12,200	11,200	260	380	260
OH	490	500	490	390	395	300
OR - Other	3,500	3,500	3,200	405	390	400
UT	1,900	1,900	2,000	445	480	400
WA	6,200	6,800	7,200	450	440	430
WI	1,300	1,500	2,000	375	420	350
Subtotal	64,160	65,440	66,050	403	440	410
CA 1/	27,000	30,500	31,000	375	380	380
Total Summer	104,160	110,640	109,450	389	408	396
US	132,660	138,340	137,150	361	382	369
	Production					
	1989	:	1990	:	1991	
	1,000 Cwt					
Spring	7,386		7,657		7,262	
Summer						
Non-Storage	4,565		4,725		4,436	
Storage:						
CO	5,520		5,130		4,620	
ID & OR-Malheur	9,288		10,296		10,915	
MI	2,212		2,442		2,336	
MN	161		208		293	
NY	2,912		4,636		2,912	
OH	191		198		147	
OR - Other	1,418		1,365		1,280	
UT	846		912		800	
WA	2,790		2,992		3,096	
WI	488		630		700	
Subtotal	25,826		28,809		27,099	
CA 1/	10,125		11,590		11,780	
Total Summer	40,516		45,124		43,315	
US	47,902		52,781		50,577	

1/ Primarily for processing.