

# Crop Production



National  
Agricultural  
Statistics  
Service

United States  
Department of  
Agriculture

Washington, D.C.

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Released on February 10, 1994, by the Agricultural Statistics Board. Forecasts refer to February 1, 1994.

## Orange Production Unchanged From January 1

All orange production is forecast at 10.5 million tons, unchanged from January but 5 percent below the 1992-93 season. Florida's forecast is 176 million boxes (7.92 million tons), the same as last month but 6 percent below last season. Early and mid-season varieties expect to produce 110 million boxes (4.95 million tons), unchanged from January but 4 percent less than a year ago. The Florida Valencia forecast is 66.0 million boxes (2.97 million tons), also unchanged from January but 9 percent below a year earlier. California's all orange production, at 66.0 million boxes (2.48 million tons), is carried forward from last month and is below last season by 1 percent. The Navel orange forecast remained at 38.0 million boxes (1.43 million tons), 13 percent less than last year. The Valencia forecast remained at 28.0 million boxes (1.05 million tons), 22 percent over last year. Please read the "Report Features" section for further explanation on the forecasts for California.

Florida frozen concentrated juice yield for the 1993-94 season is projected to be 1.57 gallons per box at 42.0 degrees Brix, an increase from last month. The projected yield for early and mid-season varieties is 1.53 gallons per box. If realized, this yield will be a record high. The Valencia crop is expected to yield 1.65 gallons per box, unchanged from last month. The final yield for Valencias was 1.69 gallons per box last season. The forecast projects final yield as reported by the Florida Citrus Processors Association.

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Sweetpotato estimates published in "Crop Production, 1993 Summary" page A-70, have been revised. See page 12 of this report for the updated figures.

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Report features are located at the end of this report. For information call (202) 720-2127. Office hours are 8:00 a.m. to 4:30 p.m. ET.

Crop Summary: Area Planted and Harvested, United States,  
1993 and Forecasted February 1, 1994  
(Domestic Units)


Crop	Area Planted		Area Harvested	
	1993	1994	1993	1994
	1,000 Acres			
Potatoes Winter	14.3	12.4	13.6	12.3


Crop Summary: Yield per Acre and Production, United States,  
1993 and Forecasted February 1, 1994  
(Domestic Units)

Crop and Unit	Yield per Acre:			Production	
	1993	1994	1993	Jan 1, 1994	Feb 1, 1994
	----- 1,000 -----				
Potatoes Winter	Cwt	188	206	2,552	2,595
			1992-93	1993-94	1993-94
Oranges 1/	Ton		10,988	10,488	10,488

1/ Season begins with the bloom of the first year shown and ends with the completion of harvest the following year.

This report was approved on February 10, 1994, by the Secretary of Agriculture and the National Agricultural Statistics Service's Agricultural Statistics Board.

  
Secretary of  
Agriculture  
Mike Espy

  
Agricultural Statistics Board  
Chairperson  
Rich Allen

Crop Summary: Area Planted and Harvested, United States,  
1993 and Forecasted February 1, 1994  
(Metric Units)

Crop	Area Planted		Area Harvested	
	1993	1994	1993	1994
	Hectares			
Potatoes Winter	5,790	5,020	5,500	4,980

Crop Summary: Yield per Hectare and Production, United States,  
1993 and Forecasted February 1, 1994  
(Metric Units)

Crop	Yield per Hectare:		Production	
	1993	1994	1993	Jan 1, 1994 Feb 1, 1994
	Metric Tons			
Potatoes Winter	21.05	23.03	115,760	117,710
			1992-93	1993-94
Oranges 1/			9,968,150	9,514,550

1/ Season begins with the bloom of the first year shown and ends with the completion of harvest the following year.

Crop Summary: Area Planted and Harvested,  
United States, 1992-93  
(Domestic Units)

Crop	Area Planted		Area Harvested	
	1992	1993	1992	1993
	1,000 Acres			
Sugarcane for Sugar and Seed			925.2	947.9

Crop Summary: Yield per Acre and Production,  
United States, 1992-93  
(Domestic Units)

Crop	Yield per Acre			Production	
	1992	1993	1991	1992	1993
	Tons			1,000 Tons	
Sugarcane for Sugar and Seed	32.8	32.2	30,252	30,363	30,525

Crop Summary: Area Planted and Harvested,  
United States, 1992-93  
(Metric Units)

Crop	Area Planted		Area Harvested	
	1992	1993	1992	1993
	Hectares			
Sugarcane for Sugar and Seed			374,420	383,610

Crop Summary: Yield per Hectare and Production,  
United States, 1992-93  
(Metric Units)

Crop	Yield per Hectare			Production	
	1992	1993	1991	1992	1993
	Metric Tons				
Sugarcane for Sugar and Seed	73.57	72.19	27,444,150	27,544,850	27,691,810

Sugarcane: Area Harvested, Yield, and Production,  
by Use, State, and United States, 1991-93

State and Use	Area Harvested		Yield <sup>1/</sup>		Production <sup>1/</sup>		
	1992	1993	1992	1993	1991	1992	1993
	- 1,000 Acres -		--- Tons ---		----- 1,000 Tons -----		
For Sugar							
FL	426.0	433.0	33.2	33.0	14,937	14,143	14,289
HI <sup>2/</sup>	61.7	58.5	88.0	89.0	5,857	5,430	5,207
LA <sup>2/</sup>	345.0	360.0	23.2	23.0	7,090	8,010	8,280
TX <sup>2/</sup>	37.7	43.5	34.2	30.6	1,076	1,290	1,331
US	870.4	895.0	33.2	32.5	28,960	28,873	29,107
For Seed							
FL	17.0	17.0	33.2	33.0	524	564	561
HI <sup>2/</sup>	6.2	5.0	31.0	29.2	204	192	146
LA <sup>2/</sup>	30.0	30.0	23.2	23.0	530	696	690
TX <sup>2/</sup>	1.6	0.9	23.8	23.3	34	38	21
US	54.8	52.9	27.2	26.8	1,292	1,490	1,418
For Sugar and Seed							
FL	443.0	450.0	33.2	33.0	15,461	14,707	14,850
HI <sup>2/</sup>	67.9	63.5	82.8	84.3	6,061	5,622	5,353
LA <sup>2/</sup>	375.0	390.0	23.2	23.0	7,620	8,706	8,970
TX <sup>2/</sup>	39.3	44.4	33.8	30.5	1,110	1,328	1,352
US	925.2	947.9	32.8	32.2	30,252	30,363	30,525

<sup>1/</sup> Net tons.

<sup>2/</sup> Current estimate carried forward from earlier forecast.

Winter Potatoes: Area Harvested, Yield, and Production, by State  
and United States, 1992-93 and Forecasted February 1, 1994

State	Area Harvested		Yield		Production		
	1993	1994	1993	1994	1992	1993	1994
	-- 1,000 Acres --		---- Cwt ----		----- 1,000 Cwt -----		
CA	5.2	4.5	200	215	1,378	1,040	968
FL	8.4	7.8	180	200	1,620	1,512	1,560
US	13.6	12.3	188	206	2,998	2,552	2,528

Citrus Fruit: Utilized Production by Crop, State, and United States,  
1992-93 and Forecasted February 1, 1994 <sup>1/</sup>

Crop and State	Utilized Production Boxes			Utilized Production Ton Equivalent		
	1991-92	1992-93	1993-94	1991-92	1992-93	1993-94
	----- 1,000 Boxes <sup>2/</sup> -----			----- 1,000 Tons -----		
Oranges						
Early Mid & Navel <sup>3/</sup>						
AZ <sup>4/</sup>	780	700	700	29	26	26
CA <sup>4/</sup>	35,100	43,800	38,000	1,317	1,642	1,425
FL	83,400	114,300	110,000	3,753	5,143	4,950
TX	20	450	500	1	20	21
US	119,300	159,250	149,200	5,100	6,831	6,422
Valencia						
AZ <sup>4/</sup>	1,600	1,150	1,100	60	43	41
CA <sup>4/</sup>	32,300	23,000	28,000	1,211	863	1,050
FL	56,400	72,200	66,000	2,538	3,249	2,970
TX <sup>5/</sup>	10	60	120	2	2	5
US	90,310	96,410	95,220	3,809	4,157	4,066
All						
AZ <sup>4/</sup>	2,380	1,850	1,800	89	69	67
CA <sup>4/</sup>	67,400	66,800	66,000	2,528	2,505	2,475
FL	139,800	186,500	176,000	6,291	8,392	7,920
TX	30	510	620	1	22	26
US	209,610	255,660	244,420	8,909	10,988	10,488
Temples						
FL	2,350	2,500	2,300	106	113	104
Grapefruit						
White Seedless						
FL	19,100	25,700	23,000	812	1,093	978
Colored Seedless						
FL	22,100	27,700	25,000	940	1,177	1,063
Other						
FL	1,200	1,750	1,000	51	74	43
All						
AZ <sup>4/</sup>	2,800	2,150	2,100	89	69	70
CA <sup>4/ 6/</sup>						
Desert	3,500	3,500	3,300	112	112	111
Other Areas	6,500	6,000		217	201	
Total	10,000	9,500		329	313	
FL	42,400	55,150	49,000	1,803	2,344	2,084
TX	65	1,875	2,800	3	75	112
US	55,265	68,675		2,224	2,801	
Tangerines						
AZ <sup>4/</sup>	1,200	950	1,100	45	35	41
CA <sup>4/</sup>	2,440	2,200	2,500	92	83	94
FL	2,600	2,800	4,000	123	133	190
US	6,240	5,950	7,600	260	251	325
Lemons <sup>4/</sup>						
AZ	5,100	4,400	4,800	193	167	182
CA	15,100	20,100	20,000	573	763	760
US	20,200	24,500	24,800	766	930	942
Tangelos						
FL	2,600	3,050	3,200	117	137	144
K-Early Citrus						
FL	165	185	210	7	8	9

Citrus Fruit Footnotes

- 1/ The crop year begins with the bloom of the first year shown and ends with year harvest is completed.
- 2/ Net lbs. per box: oranges-CA & AZ-75, FL-90, TX-85; grapefruit-CA Desert & AZ-64 in 1991-92 and 1992-93, 67-starting in January 1994. CA Other-67, FL-85, TX-80; lemons-76; tangelos, K-Early Citrus & Temples-90; tangerines-CA and AZ-75, FL-95.
- 3/ Navel and miscellaneous varieties in CA and AZ. Early and mid-season varieties in FL and TX, including small quantities of tangerines in TX.
- 4/ Estimates for current year carried forward from earlier forecast.
- 5/ TX estimated at 425 tons for 1991-92.
- 6/ The first forecast for CA grapefruit "Other Areas" will be as of April 1.

Papayas: Area and Fresh Production, by Month, Hawaii, 1993-94 1/

Month	Area				Fresh Production	
	Total in Crop		Harvested		1993	1994
	1993	1994	1993	1994		
	----- Acres -----				-- 1,000 Pounds --	
Dec	3,365		2,365		5,785	
Jan	3,605	3,345	2,760	2,310	5,230	5,465
Feb	3,675		2,695		4,645	
Mar	3,715		2,770		5,255	
Apr	3,700		2,700		3,570	
May	3,850		2,465		3,165	

1/ 1993 revised.

**January Weather Summary:** Montana's weather was a representative microcosm of the Nation's highly variable conditions. In the west, monthly temperatures averaged 11 degrees F above normal at Missoula, while precipitation was less than one-third of normal. But in the northeast at Glasgow, temperatures were below normal and precipitation was nearly 200 percent of normal. The same arctic front that sliced through Montana also governed weather conditions elsewhere in the United States. Precipitation was infrequent south and west of the front, and persistent but generally light farther north and east. One notable exception occurred from the Ohio Valley and Middle Atlantic States to New England, where heavier precipitation, often in the form of ice and snow, menaced major population centers.

The Northeast (Maryland to Maine) experienced its third coldest January of the century, behind only 1977 and 1918. Extremely harsh conditions also prevailed as far west as the Dakotas and as far south as the Ohio Valley. The arctic episode peaked on January 19, when more than a dozen all-time record lows were shattered from Indiana to Pennsylvania. New Whiteland, IN, about 15 miles south of Indianapolis, registered -36 degrees F to establish a State record. St. Cloud, MN reported -40 degrees F, 3 degrees shy of an all-time record, in the midst of a record 181-hour sub-zero spell that ended on January 20. Temperatures plunged below -20 degrees F as far south as the Ohio River at Louisville, KY (-22 degrees F). A brief thaw and unwelcomed heavy rain arrived in the Ohio Valley between January 25 and 27. Minor to moderate flooding quickly developed on the Ohio River and numerous tributaries from western New York to West Virginia and Ohio as runoff combined with melting snow. Storms had dumped a foot or more of snow on portions of the Ohio Valley on January 4 and 17.

Snow cover thickened considerably during the month from the upper Mississippi Valley and western Great Lakes States eastward into New England. Depths increased from a trace to 13 inches at Madison, WI, and from 4 inches to 15 inches at Concord, NH. The central Plains remained largely snow-free until January 26, when a storm blanketed western Kansas and Nebraska (except the panhandle) with up to 10 inches of snow. Beneficial moisture graced southern Plains wheat areas during a flurry of late-month snowstorms, and by January 31, 10 inches covered Amarillo, TX. Wheat areas of the Pacific Northwest received virtually no snow, but minimum temperatures remained well above 0 degrees F.

At higher elevations of the West, snowfall continued to lag normal rates. The northern portion of California's Sierra Nevada was brushed by a storm during the first week of January; otherwise, dry weather prevailed (as it had since mid-December) until January 23-25. On February 1, Sierra Nevada snow pack stood at a meager 50 percent of normal, ranging from 35 percent of normal in the south to 60 percent of normal in the north.

In contrast, numerous locations from the middle Ohio Valley to the Northeast experienced record snowfall. Parkersburg, WV received more snow during January (39.6 inches) than had fallen during the winters of 1991-92 and 1992-93 combined. Morgantown, WV had its snowiest month on record (39.7 inches), and Caribou, ME had its snowiest January (44.5 inches). In addition, Caribou experienced a sub-zero monthly average temperature (-0.7 degrees F) for the first time ever.



**General Crop Comments:** Winter wheat in the upper Great Plains, upper Mississippi Valley, Great Lakes, and in northern parts of the Ohio Valley had sufficient snow cover for protection from the cold for the month. The mid-month storm extended the snow cover to the middle Mississippi Valley and over most of the Ohio Valley, which helped protect the wheat from the frigid conditions which followed the storm. More mild conditions and rain reduced snow cover across much of the middle Mississippi Valley and most of the Ohio Valley. The melting snow and rain at the end of the month caused ponding and flooding of some wheat fields in parts of the Ohio Valley. In the Southeast, winter wheat progress was hindered by the cool, wet conditions during the month. Dry conditions in the central and southern Great Plains and California stressed the winter wheat crop. Precipitation fell over these areas by the end of the month and improved prospects. However, additional rainfall was needed to sustain the improvements. Little or no snow cover was available for wheat in the Northwest during January. Mild conditions allowed the wheat to go through the month with no real problems. However, these mild conditions resulted in wheat breaking dormancy in some parts of Idaho.

**Sugarcane:** The 1993 production of sugarcane for sugar and seed is forecast at 30.5 million tons. This is unchanged from the last forecast published in the "Crop Production 1993 Annual Summary" released in mid-January, and represents a less than one percent increase from last year's output. The forecasts for Hawaii, Louisiana, and Texas were carried forward from an earlier forecast month. The Florida harvest, as of February 1, was about two-thirds complete.

**Winter Potatoes:** Production of winter potatoes is forecast at 2.53 million cwt, down 3 percent from the January 1 report. The 1994 output is expected to be down 1 percent from a year earlier and 16 percent below 1992. Area for harvest, at 12,300 acres, is down 10 percent. The average yield of 206 cwt per acre is down 5 cwt from last month but 18 cwt above last year.

Cool growing weather slowed development and crop size in California. Yield projection is down 15 cwt from a month ago. Florida harvest is underway with good quality and yields expected. Digging started on a test basis the last two weeks in January and will be active by early February.

**Temples:** The Florida Temple forecast remains unchanged at 2.30 million boxes (104,000 tons), 8 percent below last season's final production. Harvest is approximately 23 percent complete for the 1993-94 crop.

**Grapefruit:** The forecast of the 1993-94 U.S. grapefruit crop (excluding California's "Other Areas") is 2.38 million tons, unchanged from last month but down 9 percent from last season. Last year, California's "Other Areas" produced 201,000 tons (6.00 million boxes). The first forecast for that type of grapefruit will be issued April 12, 1994.

The forecasts for all three types of Florida grapefruit remain unchanged from January and total 49.0 million boxes (2.08 million tons). Those individual totals are: white seedless 23.0 million boxes (978,000 tons); colored seedless 25.0 million boxes (1.06 million tons); and seedy grapefruit 1.00 million boxes

(43,000 tons). Movement of all seedless grapefruit increased during the month. Approximately 22 percent of the white seedless grapefruit has been picked while 45 percent of the colored seedless grapefruit has been picked so far this season.

The forecast for California desert grapefruit is carried forward from January at 3.30 million boxes (111,000 tons), down 1 percent from last season. The Texas grapefruit forecast remains at 2.80 million boxes (112,000 tons), 49 percent larger than last season. Over 50 percent of the crop has been harvested. The Arizona grapefruit forecast is also carried forward from January at 2.10 million boxes (70,000 tons), up 1 percent from last season.

**Tangerines:** The 1993-94 tangerine crop is forecast at 325,000 tons, up 5 percent from January and 29 percent more than last season. The Florida tangerine forecast is 4.00 million boxes (190,000 tons). Early tangerine harvest ended during January. Harvest of Dancy tangerines is 80 percent complete. Harvest of Honey tangerines began and is 20 percent complete. The California tangerine forecast was carried forward from January at 2.50 million boxes (94,000 tons), up 14 percent from last season. The Arizona forecast was also carried forward from last month at 1.10 million boxes (41,000 tons), 16 percent more than last season.

**Tangelos:** The Florida tangelo forecast is 3.20 million boxes (144,000 tons), up 3 percent from last month and 5 percent larger than last season. Harvest is nearing completion with over 88 percent of the crop already picked.

**Florida Citrus:** Groves and trees in virtually all areas of Florida remain in very good to excellent condition. Above average rain fell during January while temperatures were generally below normal which kept most trees in a quasi-dormant condition. During the last few days of the month, very small feathery new growth with tiny pin head blooms started emerging. Fruit drop does not appear to be a problem. Some blocks have the lowest fruit loss ever recorded through January. Harvest of early and mid-season oranges was very active last month in all areas. Processors used the vast majority of the oranges picked.

**Texas Citrus:** Harvest of early and mid-season oranges is virtually over. Valencia harvest is just beginning and grapefruit harvest passed the halfway point. Quality remains good with some light to moderate insect and disease problems. Demand slowed during mid-January; however, demand is expected to increase as the season progresses. Weather related problems were minimal in the Rio Grande Valley during January.

**Papayas:** Hawaii fresh papaya production is estimated at 5.47 million pounds for January, 6 percent lower than December but 4 percent higher than January 1993.

Weather conditions were a mix of sunshine and rainfall during January. Cool, dry conditions dominated; however, nearly constant rains during the third week slowed farm operations.

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Area devoted to papaya production is estimated at 3,345 acres, 1 percent lower than December and 7 percent lower than January a year ago. Harvested area, forecast at 2,310 acres, was 2 percent lower than last month and 16 percent lower than January 1993.

**California Fruit and Nuts:** Normal winter cultural activities continued to progress steadily in orchards and vineyards. Grapefruit, lemon, tangerine, and tangelo harvests remained active. The Navel orange harvest continued with good fruit sizes and quality. Date harvest ended in Riverside County with quality and yield above average.

**Sweetpotatoes:** The 1993 sweetpotato crop was been revised downward as a result of new data made available in January. Production is now estimated at 11.0 million cwt, down 7 percent from figures published in "Crop Production, 1993 Summary". This would make the 1993 crop 9 percent smaller than produced the previous year and 2 percent below 1991. The average yield, at 139 cwt per acre, was down 7 cwt from 1992.

Sweetpotatoes: Area Planted and Harvested, Yield, and Production,  
by State and United States, 1991-93

State	Area Planted			Area Harvested		
	1991	1992	1993	1991	1992	1993
	1,000 Acres					
AL	4.8	5.0	4.5	4.7	4.9	4.4
CA	8.2	9.0	8.4	8.2	9.0	8.4
GA	4.0	3.4	3.2	3.8	3.2	3.0
LA	17.0	17.0	17.0	16.0	16.0	16.5
MD	0.3	0.3	0.3	0.3	0.3	0.3
MS	4.0	4.5	6.0	3.5	4.0	5.5
NJ	2.0	2.0	1.5	1.9	1.9	1.4
NC	31.0	36.0	33.0	30.0	35.0	31.0
SC	3.1	2.2	2.0	2.9	2.0	1.8
TX	5.8	5.9	6.3	5.5	5.5	6.0
VA	1.0	0.6	0.6	1.0	0.6	0.6
US	81.2	85.9	82.8	77.8	82.4	78.9
	Yield			Production		
	1991	1992	1993	1991	1992	1993
	Cwt			1,000 Cwt		
AL	145	165	155	682	809	682
CA	185	205	200	1,517	1,845	1,680
GA	155	180	140	589	576	420
LA	150	170	*125	2,400	2,720	*2,063
MD	120	80	100	36	24	30
MS	140	130	150	490	520	825
NJ	120	130	105	228	247	147
NC	135	120	130	4,050	4,200	4,030
SC	95	105	100	276	210	180
TX	140	140	140	770	770	840
VA	165	140	115	165	84	69
US	144	146	*139	11,203	12,005	*10,966

\* Revised

## Report Features

This report contains a change to data normally included in the February, "Crop Production" report and a revision to the "Crop Production, 1993 Summary". First, the California citrus forecasts for February were carried forward from the January report. This change was the result of reduced State funding. The next actual survey will reflect April 1, conditions with new forecasts included in the April "Crop Production" report to be issued April 12. The current report also includes a revision of 1993 sweetpotato yields and production. The revised estimates were prompted by additional information which became available in January after the publication of "Crop Production, 1993 Summary".

The next "Crop Production" report will be released at 3 p.m. ET on March 10, 1994.

Listed below are the commodity specialists in the Crops Branch of the National Agricultural Statistics Service to contact for additional information.

John D. Witzig, Chief (202) 720-2127

### Field Crops Section

Bill Dowdy, Head (202) 720-3843  
Herb Eldridge - Sugar, Tobacco, Hay (202) 720-7621  
Dan Kerestes - Soybeans, Minor Oilseeds, Rice (202) 720-9526  
David Mueller - Weekly Crop Weather (202) 720-2157  
Vaughn Siegenthaler - Rye, Sorghum, Wheat (202) 720-8068  
Charles Van Lahr - Barley, Corn, Oats, Pasture Condition (202) 720-7369

### Fruit, Vegetable & Special Crops Section

Steve Ropel, Head (202) 720-3843  
Jim Brewster - Fruits, Fresh Vegetables (202) 720-7688  
Arvin Budge - Potatoes, Dry Beans, Onions (202) 720-4285  
Kirby Cavett - Peanuts (202) 720-8843  
Kevin Hintzman - Fruits, Citrus, Nuts (202) 720-5412  
Roger Latham - Cotton (202) 720-5944  
David Mueller - Fresh and Processing Vegetables (202) 720-6054



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