



## Department of Agriculture

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I am pleased to submit the 2000 Fresno County Agricultural Crop and Livestock Report. This annual compilation presents statistical data pertaining to the acreage, yield, and gross value of Fresno County agricultural products.

The total gross production value of Fresno County agricultural commodities in 2000 was \$3,427,400,400. This represents a 4 percent decrease from the 1999 gross production value. It must be emphasized that the values presented in this report reflect gross values only, and do not in any manner reflect net income or loss to producers.

Agriculture continues as the major industry in Fresno County and is a driving force in the county's economy. Every dollar received by Fresno County producers results in the economic extension benefit of three and one-half dollars to the total economy of the county.

For the first time in Fresno County's history, the raisin industry has entered mandatory arbitration because growers and packers were unable to agree upon a price. Therefore, the total reported gross value of this report should be considered as an estimate, pending resolution of the arbitration. The final agreed-upon price for raisins, as well as a revised total gross production value, will be reported in the 2001 Crop Report.

I sincerely appreciate the professional and dedicated work performed by Deputy Agricultural Commissioner/Sealer Dennis C. Plann; Supervising Agricultural/Standards Specialist Bruce Clayton; Agricultural/Standards Specialists Scotti Walker and Jennifer Fulbright; Seasonal Agricultural/Standards Specialist Cézanne Baker, as well as the rest of my staff at the Department of Agriculture for the preparation of this report.

My thanks to the many individuals, related agencies, and members of the agricultural industry for their contributions to the compilation of this report.

Sincerely,

Jerry Prieto, Jr.  
Agricultural Commissioner/Sealer

*"From his war with the vine and tractor,  
both with and against them, the farmer at  
last wins his war with himself,  
and like his perfect machine and vines realizes  
that he too has at last become consummate  
and unchanging and for the ages."*

***Victor Davis Hanson***

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This report is also available at our internet site:  
<http://www.fresno.ca.gov/4010/agwelcm.htm>

## FRESNO COUNTY'S 10 LEADING CROPS

Crop	2000 Rank	2000 Dollar Value	1999 Rank	1990 Rank	1980 Rank
GRAPES	1	\$ 642,385,000	1	1	1
POULTRY	2	400,065,000	2	+	+
COTTON	3	354,440,000	3	2	2
TOMATOES	4	279,754,000	4	3	6
MILK	5	198,821,000	5	5	4
CATTLE AND CALVES	6	186,734,000	7	6	3
ALMONDS	7	117,983,000	8	14	12
HEAD LETTUCE	8	109,032,000	11*	11	16
PLUMS	9	96,760,000	10*	7	7
PEACHES	10	<u>95,120,000</u>	9*	9	13
<b>TOP TEN TOTAL</b>		<b>\$2,481,094,000</b>			

+ Not previously combined for ranking purposes

\* Revised

## 2000 Highlights in Retrospect

### January:

Peach, plum, nectarine, and almond growers were pruning and shredding brush. Grapevines were being pruned, canes tied, brush shredded, and herbicides applied. Birds caused significant damage to young seedlings in sugar beet fields. Strawberry fields were being mowed back and plastic tarps laid down. Processing tomato fields were being bedded up and fumigated. Lettuce, garlic, and onion fields were growing slowly due to cold weather and lack of rain. Rain in the latter part of the month caused some rust damage to garlic fields. Broccoli, napa cabbage, cauliflower, greens, turnips, and a variety of oriental vegetables were harvested.

### February:

Cotton growers were preparing fields for planting. Grape growers continued to prune, tie canes, and apply herbicides for weed control. Early varieties of stone fruit began to bloom. Growers were applying bloom spray to stone fruit and apple orchards to prevent fungal diseases. Navel oranges and tangelos were harvested between rainstorms. Sugar beet growers used hazing techniques to protect seedlings from birds. Growth in garlic and onion fields slowed due to cooler weather. Lettuce was hand weeded, thinned, and treated for mildew. Asparagus, artichoke, broccoli, bok choy, and greens were harvested. On February 27, 2000, a storm front that moved across Fresno County brought thunder, lightning, heavy rain, hail, and tornado sightings. Overall, this storm caused only minimal crop damage.

### March:

Most field work came to a halt due to wet conditions. Alfalfa hay fields were treated for weevils and aphids. Cotton planting started and beds were treated for weeds by air. Bud break began in grapes. The head lettuce harvest began. Apricots, cherries, peaches, plums, and nectarines were in bloom. Almonds were nearly done blooming and had started to leaf out. The navel orange and tangelo harvests continued. Citrus and olive growers began to prune trees. Due to rain, some dairies were spreading out straw in wet, muddy corrals. Summer vegetables were planted. Oriental vegetables were harvested.

### April:

Small grain fields were maturing and showing good growth. Cotton was planted and growers were applying insecticides to their fields. Grape vineyards were leafing out and growers applied sulfur to control mildew. Cherries were being harvested. Some early varieties stone fruit were harvested. Stone fruit growers were also thinning and treating orchards for scale and worms. Fig and pistachio trees were leafing out. The lettuce harvest peaked this month and slowed down with minimal problems. Sweet corn and melons were planted. Strawberries were in full bloom; early rainstorms resulted in damage to fruit. Beehives were placed in citrus orchards that were in full bloom. The valencia orange harvest started. The oriental vegetable harvest continued while summer vegetables were being planted.

### May:

Oat hay, wheat forage, and alfalfa hay were cut and baled. Cotton planting was completed and earlier planted fields were showing good growth. Rice was planted. Sugar beets showed good growth. Grape growers continued to treat vineyards for mildew, leafhoppers, lepidopterous pests, and weeds. Apricots, apriums, cherries, peaches, nectarines, plums, and pluots were harvested. Pomegranates showed early stages of bloom. Strawberries, blackberries, boysenberries, and blueberries were being harvested. Tomato fields were weeded and fertilized. Basil, broccoli, beets, cabbage, carrots, mustard and collard greens, onions, squash, sugar and snap peas, radishes, spinach, and turnips were also harvested. Navel and valencia oranges were harvested.

#### June:

A surprise rainstorm resulted in some damage to oat and alfalfa hay. The storm forced growers to re-bag onions that were drying in the fields. Growth in small grains slowed due to poor weather. Cotton plants started to bloom. Grape growers treated vineyards for mildew and insects. Stone fruit was harvested and some orchards were experiencing brown rot and worm problems. Melon fields were blooming and tomatoes were growing well. Sweet corn growers applied insecticides. Garlic fields and almond orchards were prepared for harvest. Cantaloupe and processing tomato harvests started. Harvesting of strawberries, blackberries, boysenberries, and blueberries continued, while strawberry growers began to replant. Other vegetables being harvested were beans, bittermelon, cilantro, cucumbers, dill, greens, lemongrass, okra, snap and sugar peas, squash, and yam leaves. Beekeepers were moving hives into seed alfalfa and melon fields.

#### July:

Small grains, sugar beets, silage corn, and wheat seed were harvested. Cotton and alfalfa hay were treated for aphids, mites, lygus, and worms. Table grapes, peaches, plums, nectarines, and asian pears were harvested. Almond hulls started to split and growers prepared for harvest. Harvesting of cantaloupe and processing tomatoes continued. Strawberry growers prepared fields for fall, as the spring season came to a finish. Valencia oranges and lemons were packed. Summer and oriental vegetable harvests were in full swing. Rangeland was dry and cattle feedlots were at 88 percent capacity.

#### August:

The small grain harvest was completed. Cotton growers irrigated and sprayed their plants for insects. Cotton bolls started to open. Rice growers prepared for harvest. Table grapes were packed, while raisin growers finished their last irrigation and started to lay fruit on trays. The stone fruit harvest continued. Almond growers had started to shake trees. Granny Smith apples were released for packing. Cantaloupes, honeydews, and watermelons were harvested. Fresh and processed tomato harvests continued. Fall lettuce was planted. The sweet potato and yam harvests started. Beets, basil, carrots, cucumbers, eggplant, garlic, mint, onions, peppers, radishes, squash, Swiss chard, and cherry tomatoes were harvested. The valencia orange harvest finished in the Sanger district but continued in Clovis and Reedley districts. Some growers prepared ground for new citrus plantings.

#### September:

A rainstorm in early September caused some damage to the raisin crop; a few raisins already on trays required reconditioning. Cotton bolls started to mature. Black-eyed beans, silage corn, and sugar beets were harvested. Zinnia fields planted for seed production were in full bloom. McIntosh apples were released for harvest. Fuji and Granny Smith apples were harvested. The table grape, juice grape, and wine grape harvests continued. Pomegranates, pistachios and figs were packed. The almond harvest continued. Olive producers sprayed and trapped for olive fruit flies in preparation for harvest. The cantaloupe harvest slowed. Cauliflower, broccoli, cabbage, and lettuce were planted. Fall lettuce fields were irrigated, weeded, and sprayed for worms. Strawberries were in bloom and growers irrigated and fertilized. The processing tomato harvest continued.

#### October:

On October 10, 2000, heavy rainstorms and isolated hail storms hit Fresno County, causing substantial damage to head lettuce, chinese broccoli, pomegranates, persimmons, alfalfa hay, cherry tomatoes, and green beans. Rice was harvested. Ground was prepared for planting winter forage. Cotton growers were defoliating fields and began to harvest. The table grape and raisin harvests were nearly completed. The cantaloupe harvest

finished, while the stone fruit harvest continued. Walnut, pomegranate, persimmon, quince, and apple harvests continued. The fall lettuce harvest started slowly. The valencia orange and olive harvests continued. The summer vegetable and oriental vegetable harvests continued. Strawberries were in production and being sold at roadside stands.

#### November:

Rain stopped work in fields and orchards. The rice harvest finished. Wet conditions slowed both ground preparation for winter forage and the cotton harvest. The raisin harvest ended this month. The lettuce harvest was slow, but showed good quality. Pomegranates, persimmons, quince, walnuts, almonds, and kiwifruit were harvested. The broccoli and cabbage harvests continued. Garlic fields were planted for the 2001 crop. The yam and sweet potato harvests came to an end. Navel orange, mandarin, and lemon harvests continued with good quality. Summer and oriental vegetable harvesting slowed. Rangeland grasses had started to turn green.

#### December:

Wheat and barley fields were planted and fertilized. The cotton harvest was completed. Stone fruit growers began to prune and pull dead and older, nonproductive trees from orchards. Apple, kiwifruit, and persimmon harvests continued. Grape growers were planting cover crops, adding soil amendments and fertilizing. Fall lettuce finished this month. Lettuce growers were preparing ground for spring planting. Broccoli, cabbage, and strawberry harvests continued. The following vegetables were harvested this month: basil, bok choy, chives, cilantro, napa cabbage, mustard and collard greens, green onions, parsley, peppers, spinach and Swiss chard. Navel oranges were harvested.

**FIELD CROPS:** The total gross returns for field crops increased by \$22,312,000 from \$485,640,000 to \$507,952,000. Cotton, the county's third most valuable crop, increased in value by 6.61 percent from \$332,472,000 to \$354,440,000. Cotton lint increased by \$16,793,000 and seed was up \$4,494,000. The Acala upland cotton harvest increased 75,000 acres while Pima cotton plantings were down 64.32 percent or 60,200 acres. The value of the barley crop was up 16.46 percent, or \$146,000, as a result of an increase in planted acreage and an \$11 per ton increase in value. Returns for corn grain were down \$1,977,000; silage corn increased in value \$2,512,000. Alfalfa hay decreased in value by \$2,790,000 because of a 10,100 acre reduction in plantings. The total value of the rice crop was down \$447,000 reflecting a 24.08 percent reduction in the price paid per ton. Safflower acreage was down 49.42 percent; the crop value decreased \$1,097,000. Wheat plantings were up 14,200 acres and the crop value increased from \$18,923,000 to \$24,395,000.

**SEED CROPS:** The total gross returns for seed crops decreased 19.07 percent or \$8,264,000. Certified alfalfa seed was down \$12,149,000 as a result of 8,600 fewer planted acres and reductions in yield and price. Certified cotton seed, up 1,300 acres, increased in value \$681,000.

**VEGETABLE CROPS:** The total gross returns for all vegetable crops decreased by \$91,041,000, or 10.32 percent to \$791,607,000. Asparagus, bell pepper, broccoli, and eggplant values were down. Fresh garlic decreased in value \$50,016,000 and processing garlic was down \$40,997,000, resulting in a 51.90 percent decrease in gross returns. Spring head lettuce was down \$17,531,000; fall head lettuce was up \$28,549,000. Tomatoes, number four on the county's top ten list, were down \$33,081,000; processing tomatoes, down \$36,288,000, were responsible for this loss. The value of the cantaloupe crop increased \$4,323,000 (5.82 percent) as a result of increased plantings and a 5.08 percent increase in yield. The honeydew crop more than doubled in value because of increases in both yield and price. Oriental vegetable production was down 3.39 tons per acre and plantings decreased 270 acres.

**FRUIT AND NUT CROPS:** The total gross returns for all fruit and nut crops increased \$53,641,800 from \$1,191,094,000 to \$1,244,735,800. The final price for raisin grapes has not been determined and will go to arbitration in late May and early June. The price used in this report is not intended to reflect the Department's opinion as to what the price for raisins should be, and is used only to accommodate the deadline for publishing this report. Cherries, not previously reported separately, had a value of \$17,282,000. The value of the orange crop increased 63.93 percent or \$35,376,000 after a \$69,563,000 loss in 1999 resulting from damage caused by freezing temperatures. The lemon crop increased in value from \$1,339,000 to \$2,137,000. The price for almonds increased \$520 a ton, but the total value of the crop was down \$910,000 as a result of a 500 pound per acre decrease in yield. Fresh apple production was down 16,900 tons while processed apples increased from 3,660 tons in 1999 to 18,500 tons in 2000. Decreases in apricot acreage, yield, and price resulted in a \$2,077,000 reduction in crop value. The crop values for peaches, plums, and nectarines were down: peaches 9.29 percent, plums 4.53 percent, and nectarines 9.89 percent. Even though the price of strawberries was down \$113 a ton, production increased 6.94 tons per acre, resulting in a crop value increase of 47.87 percent.

**NURSERY:** The total gross returns for nursery products decreased \$3,626,000 from the 1999 figure of \$32,530,600 to \$28,904,600. The number of herbaceous ornamentals (potted plants, bedding plants, flats and perennials) increased by 9,791,000 plants and was up \$1,728,000. The sale of christmas trees was down 34.12 percent. The other category, which includes bareroot fruit trees, citrus (budwood and trees), grape (rootings and cuttings), vegetable transplants, and turf, decreased in value \$5,934,000.

**LIVESTOCK AND POULTRY:** Total gross returns for livestock and poultry decreased \$92,123,000 from \$686,071,000 to 593,948,000. Cattle and calves moved from seventh to sixth on the county's top ten list when value increased to \$186,734,000. Lambs were up \$339,000 in value. The price per hundred weight for sheep increased \$2.84. Turkey production decreased by 1,880,000 birds.

**LIVESTOCK AND POULTRY PRODUCTS:** Total gross returns for livestock and poultry products decreased by \$24,615,000 to a total of \$207,036,000. Manure produced in the county was down 47.48 percent. The value of milk fell \$23,946,000 even though production increased by 767,000 hundred weight. Chicken, duck and turkey egg production increased 212,000 dozens and the value increased 20.17 percent.

**APIARY PRODUCTS AND POLLINATION SERVICES:** Gross returns for apiary products and pollination decreased \$1,665,000. The value of honey and beeswax increased by \$5,000. The total value of pollination services, which includes alfalfa seed, fruit and nut trees, and cantaloupes, fell \$1,670,000, as a result of a 43,600 acre reduction in alfalfa seed and a 9,200 acre reduction in cantaloupe seed.

**INDUSTRIAL CROPS:** Gross returns for industrial crops were up \$2,753,000. Timber sales increased 10,673,000 board feet while firewood sales were down 2,300 cords.



# FRESNO COUNTY

## FIELD CROPS

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
<b>Barley</b>	2000	4,100	2.27	9,310	ton	\$ 111.00	\$ 1,033,000
	1999	3,310	2.68	8,870	ton	\$ 100.00	\$ 887,000
<b>Beans, dry<sup>a</sup></b>	2000	13,400	1.20	16,100	ton	523.00	8,420,000
	1999	17,700	1.38	24,400	ton	513.00	12,517,000
<b>Corn</b>							
Grain	2000	4,000	4.30	17,200	ton	86.00	1,479,000
	1999	5,600	5.14	28,800	ton	120.00	3,456,000
Silage	2000	18,700	24.39	456,000	ton	27.00 <sup>b</sup>	12,312,000
	1999	19,900	24.62	490,000	ton	20.00 <sup>b</sup>	9,800,000
<b>Cotton</b>							
Upland (Acala) Lint	2000	220,000	1,486 <sup>c</sup>	654,000 <sup>d</sup>	bale	.69 <sup>e</sup>	227,435,000
	1999	145,000	1,421 <sup>c</sup>	412,000 <sup>d</sup>	bale	.74 <sup>e</sup>	153,660,000
Seed	2000			231,000	ton	151.00	34,881,000
	1999			141,000	ton	158.00	22,278,000
Upland (Non-Acala) Lint	2000	38,100	1,293 <sup>c</sup>	98,500 <sup>d</sup>	bale	.66 <sup>e</sup>	32,765,000
	1999	41,200	1,226 <sup>c</sup>	101,000 <sup>d</sup>	bale	.71 <sup>e</sup>	36,142,000
Seed	2000			34,800	ton	151.00	5,255,000
	1999			34,600	ton	158.00	5,467,000
Pima Lint	2000	33,400	1,413 <sup>c</sup>	94,400 <sup>d</sup>	bale	1.00 <sup>e</sup>	47,578,000
	1999	93,600	1,277 <sup>c</sup>	239,000 <sup>d</sup>	bale	.84 <sup>e</sup>	101,183,000
Seed	2000			37,300	ton	132.00	4,924,000
	1999			37,300	ton	133.00	12,821,000
<b>Cotton Total<sup>f</sup></b>	<b>2000</b>	<b>291,500</b>					<b>352,838,000</b>
	<b>1999</b>	<b>279,800</b>					<b>331,551,000</b>
<b>Hay</b>							
Alfalfa	2000	71,400	7.56	540,000	ton	98.00	52,920,000
	1999	81,500	7.60	619,000	ton	90.00	55,710,000
Other <sup>g</sup>	2000	10,700	4.27	45,700	ton	56.00	2,559,000
	1999	14,000	3.11	43,500	ton	79.00	3,437,000

FRESNO COUNTY

**FIELD CROPS (continued)**

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
<b>Pasture and Range</b>							
Field	2000	19,500			acre	\$ 29.28	\$ 571,000
Stubble <sup>h</sup>	1999	29,700			acre	\$ 25.96	\$ 771,000
Irrigated	2000	40,000			acre	125.00	5,000,000
Pasture	1999	40,000			acre	110.00	4,400,000
Grazing	2000	850,000			acre	8.00	6,800,000
Range	1999	850,000			acre	7.00	5,950,000
<b>Rice</b>	2000	6,160	3.99	24,600	ton	186.00	4,576,000
	1999	5,800	3.53	20,500	ton	245.00	5,023,000
<b>Safflower</b>	2000	3,070	2.48	7,600	ton	146.00	1,110,000
	1999	6,070	2.04	12,400	ton	178.00	2,207,000
<b>Sugar Beets</b>	2000	19,100	35.76	683,000	ton	35.00	23,905,000
	1999	20,400	33.19	677,000	ton	34.00	23,018,000
<b>Wheat</b>	2000	69,500	2.95	205,000	ton	119.00	24,395,000
	1999	55,300	2.69	149,000	ton	127.00	18,923,000
<b>Other<sup>i</sup></b>	2000	8,820					10,034,000
	1999	<u>9,560</u>					<u>7,990,000</u>
<b>Total</b>	<b>2000</b>	<b>1,410,450</b>					<b>\$507,952,000</b>
	<b>1999</b>	<b>1,408,940</b>					<b>\$485,640,000</b>

**a** Includes black-eyed, garbanzo, Jackson Wonderful, baby lima, pinto, and red kidney beans

**b** Field price

**c** Pounds of lint per acre

**d** 500 pounds lint per bale

**e** Price per pound, 504 pounds gross weight per bale

**f** Not used for top 10 ranking; does not include cotton seed for planting

**g** Includes hay from alfalfa seed, oats, pasture grass, sudan, winter forage and wheat

**h** Not included in total field crop acreage; includes acreage from alfalfa hay, barley, beans, and melons

**i** Includes barley silage, oats (grain), sorghum, straw, sugar beet pulp, wheat silage, and winter forage; **organic:** alfalfa and oat hay

FRESNO COUNTY

**SEED CROPS**

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
<b>Alfalfa</b>	2000	23,800	560	13,328,000	lb.	\$1.50	\$19,992,000
<b>Certified</b>	1999	32,400	620	20,088,000	lb.	\$1.60	\$32,141,000
<b>Cotton</b> <sup>a</sup>	2000	11,200		14,560,000	lb.	.11	1,602,000
<b>Certified</b>	1999	9,900		7,673,000	lb.	.12	921,000
<b>Vegetable</b> <sup>b</sup>	2000	3,670					7,540,000
	1999	1,540					4,230,000
<b>Other</b> <sup>c</sup>	2000	6,090					5,934,000
	1999	<u>7,030*</u>					<u>6,040,000*</u>
<b>Total</b>	<b>2000</b>	<b>33,560</b>					<b>\$35,068,000</b>
	<b>1999</b>	<b>40,970</b>					<b>\$43,332,000</b>

**a** Included in field crop acreage

**b** Kohlrabi, lettuce, mustard (Japanese and red), onion, radish, red kale, and tomato

**c** Alfalfa (non-certified), barley, black-eyed beans, corn, garbanzo beans, grain sorghum, rice, sunflower, triticale, wheat (certified and non-certified), and zinnia

\* Revised

FRESNO COUNTY

**VEGETABLE CROPS**

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
<b>Asparagus<sup>a</sup></b>	2000	2,590	2.62	6,790	ton	\$1,772.00	\$ 12,032,000
	1999	2,750	2.31	6,350	ton	\$1,958.00	\$ 12,433,000
<b>Bell Peppers<sup>a</sup></b>	2000	2,380	20.88	49,700	ton	357.00	17,743,000
	1999	2,490	21.24	52,900	ton	354.00	18,727,000
<b>Broccoli<sup>a</sup></b>	2000	7,640	8.31	63,500	ton	478.00	30,353,000
	1999	13,500	4.90	66,200	ton	478.00	31,644,000
<b>Eggplant<sup>b</sup></b>	2000	910	9.71	8,840	ton	528.00	4,668,000
	1999	850	14.00	11,900	ton	521.00	6,200,000
<b>Garlic</b>							
Fresh	2000	4,500	8.31	37,400	ton	1,337.00	50,004,000
	1999	7,800	8.94	69,700	ton	1,435.00	100,020,000
Processed	2000	13,500	8.74	118,000	ton	291.00	34,338,000
	1999	23,500	10.51	247,000	ton	305.00	75,335,000
<b>Head Lettuce</b>							
Naked				28,900	ton		
Wrapped				75,200	ton		
Bulk				42,600	ton		
Spring	2000	9,920	14.79	146,700	ton	293.00	42,983,000
Season Total	1999	11,000	16.37	180,100	ton	336.00	60,514,000
Naked				45,600	ton		
Wrapped				100,500	ton		
Bulk				61,600	ton		
Fall	2000	10,100	20.56	207,700	ton	318.00	66,049,000
Season Total	1999	9,980	15.92	158,900	ton	236.00	37,500,000
<b>Head Lettuce</b>	<b>2000</b>	<b>20,020</b>		<b>354,400</b>			<b>109,032,000</b>
<b>Totals</b>	<b>1999</b>	<b>20,980</b>		<b>339,000</b>			<b>98,014,000</b>

FRESNO COUNTY

**VEGETABLE CROPS (continued)**

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
<b>Leaf Lettuce</b> <sup>c</sup>	2000	4,800	10.38	49,800	ton	\$ 842.00	\$ 41,932,000
	1999	4,300	10.81	46,500	ton	\$ 531.00	\$ 24,692,000
<b>Melons</b>							
Cantaloupe <sup>a</sup>	2000	28,700	13.24	380,000	ton	207.00	78,660,000
	1999	27,700	12.60	349,000	ton	213.00	74,337,000
Honeydew	2000	3,770	17.16	64,700	ton	310.00	20,057,000
	1999	3,150	12.79	40,300	ton	239.00	9,632,000
Mixed Melons <sup>d</sup>	2000	1,670	8.80	14,700	ton	281.00	4,131,000
	1999	2,030	10.64	21,600	ton	283.00	6,113,000
Watermelon	2000	1,720	31.57	54,300	ton	171.00	9,285,000
	1999	1,940	34.18	66,300	ton	169.00	11,205,000
<b>Onions</b>							
Fresh	2000	5,330	25.00	133,000	ton	175.00	23,275,000
	1999	4,290	21.86	93,800	ton	235.00	22,043,000
Processed	2000	9,100	18.90	172,000	ton	78.00	13,416,000
	1999	12,300	19.84	244,000	ton	82.00	20,008,000
<b>Oriental Vegetables</b> <sup>e</sup>	2000	1,350	7.41	10,000	ton	567.00	5,670,000
	1999	1,620	10.80	17,500	ton	619.00	10,833,000
<b>Squash</b> <sup>f</sup>	2000	820	7.00	5,740	ton	514.00	2,950,000
	1999	650	6.37	4,140	ton	378.00	1,565,000
<b>Sweet Corn</b>	2000	7,470	11.70	87,400	ton	259.00	22,637,000
	1999	6,800	12.00	81,600	ton	210.00	17,136,000
<b>Tomatoes</b>							
Cherry	2000	170	24.53	4,170	ton	862.00	3,595,000
	1999	180	26.50	4,770	ton	733.00	3,496,000

FRESNO COUNTY

**VEGETABLE CROPS (continued)**

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
<b>Tomatoes, continued</b>							
Standard	2000	6,350	16.69	106,000	ton	\$381.00	\$ 40,386,000
	1999	6,500	17.54	114,000	ton	\$327.00	\$ 37,278,000
Processed	2000	115,000	40.20	4,623,000	ton	51.00	235,773,000
	1999	115,000	41.50	4,773,000	ton	57.00	272,061,000
<b>Tomatoes Total</b>	<b>2000</b>	<b>121,520</b>					<b>279,754,000</b>
	<b>1999</b>	<b>121,680</b>					<b>312,835,000</b>
<b>Other<sup>g</sup></b>	2000	7,540					31,670,000
	1999	<u>12,100</u>					<u>29,876,000</u>
<b>Total</b>	<b>2000</b>	<b>245,330</b>					<b>\$ 791,607,000</b>
	<b>1999</b>	<b>270,430</b>					<b>\$ 882,648,000</b>

**a** Includes fresh and processed

**b** Includes Chinese, Globe, Green Hordet, Italian, Japanese, Orchid Surprise, Rosa Bianca, and White varieties

**c** Includes Red, Green, Butter, and Romaine varieties

**d** Includes Casaba, Crenshaw, Galia, Juan Canary, Orange Flesh, Persian, Santa Claus, and Sharlyn varieties

**e** Includes bittermelon, bok choy (baby, regular, and Shanghai), daikon, donqua, gai choy, gailon, gourds, lemon grass, lo bok, long beans, moqua, muop, napa, opo, sinqua, sugar peas, taro, and you choy

**f** Includes soft and hard types

**g** Includes artichokes, arugula, fava beans, green and snap beans, beets, cabbage (fresh and processed), carrots (processed), cauliflower, Swiss chard, chicory/radicchio, collards, cornuts, cucumbers (fresh and processed), dandelion greens, endive/escarole, kale, kohlrabi, leeks, mushrooms, mustard greens, okra, green onions, parsley (dry), chili peppers, pimientos, pumpkins, radishes, rutabagas, spinach, sunchokes, sweet potatoes/yams, tomatillos, and turnips; **herbs:** basil, cilantro, dill, mint, rosemary, and sage; **organic:** bittermelon, bok choy, cantaloupe, celery, Swiss chard, daikon, garlic (fresh and processed), eggplant (Chinese and Globe), head lettuce, leaf lettuce (baby, red, green, and romaine), long beans, mustard greens, onions (fresh and processed), parsley, chili peppers, spinach and tomatoes (fresh and processed); **organic herbs:** basil and cilantro

FRESNO COUNTY

**FRUIT AND NUT CROPS**

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
<b>Almonds</b>	2000	57,350	.83	47,600	ton	\$2,340.00	\$ 111,384,000
	1999	57,125	1.08	61,700	ton	\$1,820.00	\$ 112,294,000
<b>Almond Hulls</b>	2000			85,700	ton	77.00	6,599,000
	1999			117,000	ton	57.00	6,669,000
<b>Apples</b>	2000	3,205	11.95				
	1999	3,959	10.19				
Fresh	2000			19,800	ton	600.00	11,880,000
	1999			36,700	ton	591.00	21,690,000
Processed	2000			18,500	ton	65.00	1,203,000
	1999			3,660	ton	74.00	271,000
<b>Apricots</b>	2000	1,301	6.16	8,010	ton	878.00	7,033,000
	1999	1,502	6.66	10,000	ton	911.00	9,110,000
<b>Cherries<sup>a</sup></b>	2000	1,496	1.76	2,630	ton	6,571.00	17,282,000
	1999						
<b>Citrus</b>							
<b>Lemons</b>	2000	830	12.00				
	1999	933	13.83				
Fresh	2000			4,570	ton	411.00	1,878,000
	1999			1,600	ton	604.00	966,000
Processed	2000			5,400	ton	48.00	259,000
	1999			11,300	ton	33.00	373,000
<b>Citrus, other<sup>b</sup></b>	2000	1,205	10.94				
	1999	1,255	6.93				
Fresh	2000			9,200	ton	493.00	4,536,000
	1999			6,970	ton	588.00	4,098,000
Processed	2000			3,980	ton	10.00	39,800
	1999			1,730	ton	25.00	43,000

FRESNO COUNTY

**FRUIT AND NUT CROPS (continued)**

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
<b>Oranges</b>							
<b>Navel</b>	2000	20,717	12.31				
	1999	20,971	8.72				
Fresh	2000			193,000	ton	\$376.00	\$ 72,568,000
	1999			97,100	ton	\$457.00	\$ 44,375,000
Processed	2000			62,000	ton	25.00	1,550,000
	1999			85,800	ton	34.00	2,917,000
<b>Valencia</b>	2000	5,534	15.63				
	1999	5,578	4.20				
Fresh	2000			46,400	ton	323.00	14,990,000
	1999			16,300	ton	472.00	7,694,000
Processed	2000			40,100	ton	40.00	1,604,000
	1999			7,150	ton	49.00	350,000
<b>Oranges Total</b>	<b>2000</b>	<b>26,251</b>					<b>90,712,000</b>
	<b>1999</b>	<b>26,549</b>					<b>55,336,000</b>
<b>Grapes</b>							
<b>Raisin Varieties</b>	2000	170,817	11.22				
	1999	172,226	8.18				
Canned	2000			9,700	ton	181.00	1,756,000
	1999			8,480	ton	221.00	1,874,000
Crushed	2000			322,000	ton	124.00	39,928,000
	1999			264,000	ton	201.00	53,064,000
Dried	2000			356,000	ton	1,025.00 <sup>c</sup>	364,900,000
	1999			258,000	ton	1,214.00	313,212,000
Fresh	2000			55,000	ton	885.00	48,675,000
	1999			53,700	ton	975.00	52,358,000
Juice	2000			2,100	ton	539.00	1,132,000
	1999			7,120	ton	259.00	1,844,000



FRESNO COUNTY

**FRUIT AND NUT CROPS (continued)**

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
<b>Grapes (continued)</b>							
<b>Table Varieties</b>	2000	10,677	9.37				
	1999	11,158	8.42				
Crushed	2000			15,000	ton	\$ 93.00	\$ 1,395,000
	1999			18,000	ton	\$ 174.00	\$ 3,132,000
Fresh	2000			85,000		956.00	81,260,000
	1999			76,000	ton	985.00	74,860,000
<b>Wine Varieties</b>	2000	43,782	11.11				
	1999	45,046	8.80				
Crushed	2000			483,000	ton	210.00	101,430,000
	1999			393,000	ton	261.00	102,573,000
Juice	2000			3,510	ton	544.00	1,909,000
	1999			3,310	ton	694.00	2,297,000
<b>Grapes Total</b>	<b>2000</b>	<b>225,276</b>					<b>642,385,000</b>
	<b>1999</b>	<b>228,430</b>					<b>605,214,000</b>
<b>Kiwifruit<sup>d</sup></b>	2000	415	6.43	2,670	ton	843.00	2,251,000
	1999	416	3.35	1,400	ton	876.00	1,226,000
<b>Nectarines</b>	2000	13,784	8.13	112,000	ton	697.00	78,064,000
	1999	14,985	7.94	119,000	ton	728.00	86,632,000
<b>Olives, canned<sup>d</sup></b>	2000	1,230	1.87	2,300	ton	775.00	1,783,000
	1999	1,395	4.55	6,350	ton	477.00	3,029,000
<b>Peaches</b>							
Cling	2000	1,263	17.81	22,500	ton	232.00	5,220,000
	1999	1,693	22.80	38,600	ton	214.00	8,260,000
Freestone <sup>d</sup>	2000	12,690	9.77	124,000	ton	725.00	89,900,000
	1999	13,474	9.20	124,000	ton	779.00	96,596,000
<b>Peaches Total</b>	<b>2000</b>	<b>13,953</b>					<b>95,120,000</b>
	<b>1999</b>	<b>15,167</b>					<b>104,856,000</b>
<b>Pears, Asian and European</b>	2000	972	12.24	11,900	ton	1,013.00	12,055,000
	1999	726	6.85	4,970	ton	1,064.00	5,288,000

FRESNO COUNTY

**FRUIT AND NUT CROPS (continued)**

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
<b>Persimmons</b>	2000	411	9.49	3,900	ton	\$697.00	\$ 2,718,000
	1999	420	8.36	3,510	ton	\$982.00	\$ 3,447,000
<b>Pistachios</b>	2000	4,541	1.45	6,580	ton	2,300.00	15,134,000
	1999	4,576	.78	3,570	ton	3,260.00	11,638,000
<b>Plums</b>	2000	14,841	7.95	118,000	ton	820.00	96,760,000
	1999	15,434	7.39	114,000	ton	889.00	101,346,000
<b>Pomegranates</b>	2000	1,089	4.80	5,230	ton	1,147.00	5,999,000
	1999	1,092	6.03	6,580	ton	1,815.00	11,943,000
<b>Prunes, dried<sup>d</sup></b>	2000	3,533	1.85	6,540	ton	844.00	5,520,000
	1999	3,619	2.87	10,400	ton	855.00	8,892,000
<b>Strawberries<sup>e</sup></b>	2000	494	19.25	9,510	ton	761.00	7,237,000
	1999	455	12.31	5,600	ton	874.00	4,894,000
<b>Walnuts</b>	2000	3,122	1.70	5,300	ton	1,280.00	6,784,000
	1999	3,321	1.96	6,510	ton	871.00	5,670,000
<b>Other<sup>f</sup></b>	2000	3,480					20,120,000
	1999	<u>3,845</u> <sup>*</sup>					<u>26,169,000</u> <sup>*</sup>
<b>Total</b>	<b>2000</b>	<b>378,779</b>					<b>\$1,244,735,800</b>
	<b>1999</b>	<b>385,204</b>					<b>\$1,191,094,000</b>

**a** Not previously reported separately

**b** Includes blood oranges, grapefruit, mandarins/tangerines, minneolas/tangelos, and pummelos

**c** At the time of this report the bargaining price has not been determined and the Raisin Bargaining Association (RBA) is locked in a first time mandatory arbitration. The RBA's last offered price was \$1025 per ton on October 17, 2000, and is being used for reporting purposes only. *This price reflects the free tonnage price only.* It is in no way intended to influence the arbitrated price which is yet to be determined. The final arbitrated price will be published in the 2001 crop report.

**d** Acres packed fresh or processed are included in other fruit and nut crops: 50 acres olive oil, and 63 acres prunes, 18 acres freestone peaches (processed); **organic**: 4 acres apricots, 120 acres figs, and 11 acres kiwifruit, 56 acres freestone peaches, 27 acres plums

**e** Includes fresh and processed

**f** Includes apricots (processed), blackberries, blueberries, boysenberries (fresh and processed), chestnuts, dried fruit, figs (fresh, dried, and substandard), grape leaves, grapes (raisin byproducts), jujubes, kiwifruit (processed), nectarines (processed), olive (oil), peaches (processed), pecans, plumcots, plums (processed), prunes (processed), and quince; **organic**: apricots (fresh and processed), figs (fresh and dried), grapes (table, raisin, and wine), kiwifruit (fresh and processed), nectarines, peaches, persimmons, plumcots, and plums

\* Revised

FRESNO COUNTY

**NURSERY PRODUCTS**

ITEM	YEAR	ACRES	QUANTITY	UNIT	VALUE
<b>Christmas Trees</b>	2000	28	1,390	trees	\$ 36,600
	1999	26	2,110	trees	\$ 54,600
<b>Herbaceous Ornamentals<sup>a</sup></b>	2000	18	11,036,000	b	4,598,000
	1999	14	1,245,000	b	2,870,000
<b>Ornamental Trees and Shrubs</b>	2000	90	1,074,000	plants	7,968,000
	1999	84	1,071,000	plants	7,370,000
<b>Other<sup>c</sup></b>	2000	590	261,995,000	plants	16,302,000
	1999	<u>887</u>	246,368,000	plants	<u>22,236,000</u>
<b>Total</b>	<b>2000</b>	<b>726</b>			<b>\$28,904,600</b>
	<b>1999</b>	<b>1,011</b>			<b>\$32,530,600</b>

**a** Includes potted plants, bedding plants, flats, and perennials

**b** Includes flats, dozens, cans, and single plants

**c** Includes bareroot fruit trees, citrus (budwood and trees), grape (rootings and cuttings), vegetable transplants, and turf

FRESNO COUNTY

LIVESTOCK AND POULTRY

ITEM	YEAR	PRODUCTION		UNIT	VALUE	
		NO. OF HEAD	TOTAL LIVEWEIGHT		PER UNIT	TOTAL
<b>Cattle and Calves</b>						
<b>Beef</b>						
Breeding Stock						
Common	2000	1,290		head	\$ 714.00	\$ 921,000
	1999	1,320		head	\$ 650.00	\$ 858,000
Registered	2000	320		head	1,491.00	477,000
	1999	330		head	1,358.00	448,000
Feeders	2000	135,000	269,000	cwt.	79.80	21,466,000
	1999	135,000	270,000	cwt.	72.00	19,440,000
Calves	2000	22,600	67,900	cwt.	102.90	6,987,000
	1999	23,100	69,300	cwt.	88.40	6,126,000
Slaughter Stock	2000	331,000	1,574,000 <sup>a</sup>	cwt.	68.80	108,291,000
	1999	246,000	1,177,000 <sup>a</sup>	cwt.	64.10	75,446,000
<b>Dairy</b>						
Breeding Stock	2000	11,700		head	1,580.00	18,486,000
	1999	11,400		head	1,480.00	16,872,000
Cull Stock	2000	26,300	342,000	cwt.	41.20	14,090,000
	1999	25,300	329,000	cwt.	40.60	13,357,000
Calves	2000	37,300	112,000	cwt.	143.00	16,016,000
	1999	34,700*	104,000*	cwt.	140.00	14,560,000*
<b>Cattle and Calves Total</b>	<b>2000</b>					<b>186,734,000</b>
	<b>1999</b>					<b>147,107,000*</b>
<b>Hogs and Pigs</b>						
Feeder Pigs and Slaughter Stock	2000	18,900	42,500	cwt.	44.09	1,874,000
	1999	24,900	50,600	cwt.	37.17	1,881,000

FRESNO COUNTY

**LIVESTOCK AND POULTRY (continued)**

ITEM	YEAR	PRODUCTION		UNIT	VALUE	
		NO. OF HEAD	TOTAL LIVEWEIGHT		PER UNIT	TOTAL
<b>Sheep and Lambs</b>						
Slaughter Stock						
Lambs	2000	47,900	53,900	cwt.	\$ 78.48	\$ 4,230,000
	1999	48,400	54,500	cwt.	\$ 71.40	\$ 3,891,000
Sheep	2000	11,300	15,800	cwt.	31.84	503,000
	1999	11,400	16,000	cwt.	29.00	464,000
<b>Turkeys</b>	2000	5,606,000	131,741,000	lb.	.40	52,696,000
	1999	7,486,000	179,589,000	lb.	.66	118,529,000
<b>Other<sup>b</sup></b>	2000					347,911,000
	1999					<u>414,199,000</u>
<b>Total</b>	<b>2000</b>					<b>\$593,948,000</b>
	<b>1999</b>					<b>\$686,071,000*</b>

**a** Net gain

**b** Includes beneficial insects, chickens, chicks, fryers, old breeder birds, broilers, and roasters; fish; game birds; cull milk goats and kid goats; squab; turkey poults and old turkey breeder birds

\* Revised

FRESNO COUNTY

LIVESTOCK AND POULTRY PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
<b>Manure</b>	2000	323,000	ton	\$ 6.30	\$ 2,035,000
	1999	615,000*	ton	\$ 6.00*	\$ 3,690,000*
<b>Milk</b>					
Manufacturing	2000	101,000	cwt.	9.40	949,000
	1999	68,000	cwt.	11.65	792,000
Market <sup>a</sup>	2000	17,449,000	cwt.	11.34	197,872,000
	1999	16,715,000	cwt.	13.28	221,975,000
<b>Wool</b>	2000	564,000	lb.	.34	192,000
	1999	570,000	lb.	.37	211,000
<b>Eggs</b>					
Chicken, Duck & Turkey <sup>b</sup>	2000	998,000	dozen	6.00	5,988,000
	1999	786,000	dozen	6.34	<u>4,983,000</u>
<b>Total</b>	<b>2000</b>				<b>\$207,036,000</b>
	<b>1999</b>				<b>\$231,651,000*</b>

**a** Includes cow and goat milk

**b** Includes market, hatching, and excess eggs

\* Revised

FRESNO COUNTY

**APIARY PRODUCTS AND POLLINATION SERVICES**

ITEM	YEAR	PRODUCTION TOTAL	UNIT	VALUE	
				PER UNIT	TOTAL
<b>Apiary Products<sup>a</sup></b>					
<b>Honey</b>	2000	2,243,000	lb.	\$ .51	\$ 1,144,000
	1999	2,075,000	lb.	\$ .55	\$ 1,141,000
<b>Beeswax</b>	2000	42,700	lb.	1.24	53,000
	1999	38,600	lb.	1.32	51,000
<b>Pollination<sup>b</sup></b>					
<b>Alfalfa Seed</b>	2000	53,800	colony	27.16	1,461,000
	1999	97,400	colony	32.25	3,141,000
<b>Trees, Fruit and Nut<sup>c</sup></b>	2000	144,000	colony	41.90	6,034,000
	1999	146,000	colony	40.44	5,904,000
<b>Cantaloupe</b>	2000	27,700	colony	18.66	517,000
	1999	36,900	colony	17.26	<u>637,000</u>
<b>Total</b>	<b>2000</b>				<b>\$ 9,209,000</b>
	<b>1999</b>				<b>\$10,874,000</b>

**a** Reflects bee colonies registered in Fresno County by commercial and semi-commercial beekeepers:  
2000 - 43,530 colonies; 1999 - 37,096 colonies

**b** Reflects value of pollination by all bee colonies located in Fresno County for pollination services during 2000. Estimated total colonies: 86,730

**c** Almonds, cherries, and plums

FRESNO COUNTY

**INDUSTRIAL CROPS**

CROP	YEAR	PRODUCTION	UNIT	VALUE
<b>Timber</b> <sup>a</sup>	2000	31,683,000	board feet	\$ 8,775,000
	1999	21,010,000	board feet	\$ 5,907,000
<b>Firewood</b>	2000	3,300	CORDS	165,000
	1999	5,600	CORDS	<u>280,000</u>
<b>Total</b>	<b>2000</b>			<b>\$ 8,940,000</b>
	<b>1999</b>			<b>\$ 6,187,000</b>

**a** Includes government and non-government properties





**SUSTAINABLE AGRICULTURE**

**2000 BIOLOGICAL CONTROL ACTIVITES**

<b>PEST</b>	<b>B.C. AGENT/MECHANISM</b>	<b>ACTIVITY</b>
Yellow Starthistle (YST)	Hairy weevil ( <i>Eustenopus villosus</i> sp.)	Most sites showed well-established populations that were spreading.
	Peacock fly ( <i>Chaetorellia</i> sp.)	Specimens were not moved anywhere as the flies continued to spread rapidly on their own.
	Seedhead fly ( <i>Urophora sirunaseva</i> sp.)	Surveys showed that it is present in most of the YST areas and is still expanding its range.
	Bud weevil ( <i>Bangasternus orientalis</i> sp.)	Surveys showed that it is still present and expanding its range.

**2000 DETECTION ACTIVITIES**

<b>INSECT</b>	<b>TRAPS DEPLOYED</b>	<b>RESULTS</b>
Medfly	844	Seven sterile flies trapped
Mexican fruit fly	249	None captured
Oriental fruit fly	163	None captured
Melon fly	121	None captured
Gypsy moth	370	None captured
Japanese beetle	261	None captured
Olive fruit fly	1407	Eight hundred plus trapped
Glassy-winged sharpshooter	800	Four nurseries and numerous residences positive

## SUSTAINABLE AGRICULTURE

### PEST ERADICATION

**RED IMPORTED FIRE ANT:** Another infestation was found in Fresno County. This time in a rural area east of Clovis near Leonard and Shaw Avenue. True to form, this infestation had also started in an almond orchard, but unlike the other RIFA infestations in Fresno County, this one had spread to some nearby homes. Residents were the first to complain about stinging incidents in their yards. The infestation appeared to be at least 5-6 years old or older, as some of the mounds were quite large and it had spread some distance. It was treated once last fall and treatment will resume this spring.

**GLASSY-WINGED SHARPSHOOTER:** Glassy-winged sharpshooter (GWSS) was found well established in several areas of Fresno County. Sharp-eyed residents initially alerted us to the infestations and subsequent surveys turned up a few others. Over a thousand properties were found positive and treated for GWSS. Efforts will continue this year to further delimit the GWSS population with extensive surveys throughout the city.

**OLIVE FRUIT FLY:** This serious pest of olives turned up in Fresno County last year. The initial find was in Reedley, but county-wide trapping soon detected it in many areas of the city and county. Over 800 flies were trapped which was quite amazing since we trapped none the year before. The fly seemed to just explode throughout the county. The population is very well established and eradication efforts would be futile. Olive fruit fly is here to stay, so commercial olive growers will have to learn how to deal with them.

### NEW AND UNUSUAL PEST OUTBREAKS IN 2000

**RED GUM LERP PSYLLID** (*Glycaspis brimblecombei*) continued to expand its presence in Fresno County. Many varieties of eucalyptus are showing severe stress due to this insect. Bio-control agents are on the way but have not yet been established here.

The second species of eucalyptus long horned borer has found its way to Fresno County. *Phoracantha recurva* was turned into the office last year but because of its close resemblance to *Phoracantha semipunctata* it was not realized at the time. A close inspection of the accumulated specimens eventually ferreted it out. This species also is a killer of eucalyptus trees but is now here without its parasitoids. Chances are it will do a lot of damage until some parasitoids are released.

### 2000 ORGANIC FARMING

Gross returns for organic farming in 2000 totaled \$18,530,000. A large variety of crops were produced in compliance with the California Organic Food Act of 1990. Seventy-eight farms totaling 8,442 acres and eighteen handlers (shippers/packers) were registered organic in Fresno County in 2000. Crops grown, packed, and shipped include alfalfa, almonds, apples, apricots, basil, beans, bell peppers, blueberries, boysenberries, broccoli, carrots, cattle, chard, cilantro, corn, eggplant, endive, fennel, figs, garlic, grapes, kiwifruit, leeks, lemon, lettuce, nectarines, nursery plants, olives, onions, oranges, parsley, peaches, peppers, persimmons, plums, pluots, pomegranates, radishes, raisins, shallots, spinach, squash, tangerines, tomatoes, turkeys, walnuts, watermelon, and wheat.

**GROWTH IN FRESNO COUNTY AGRICULTURE AS INDICATED BY GROSS  
PRODUCTION VALUE OF AGRICULTURAL PRODUCTS OVER A TWENTY-ONE YEAR SPAN**

1980 - 2,002,448,900*	1991 - 2,552,305,040*
1981 - 1,905,289,240*	1992 - 2,635,447,400*
1982 - 1,855,733,500	1993 - 3,022,311,100*
1983 - 1,727,319,500	1994 - 3,084,870,800
1984 - 1,921,020,840*	1995 - 3,142,878,300*
1985 - 2,054,060,400*	1996 - 3,324,885,800
1986 - 2,125,721,200*	1997 - 3,436,443,500*
1987 - 2,264,044,000*	1998 - 3,257,712,600*
1988 - 2,444,732,600*	1999 - 3,570,027,600*
1989 - 2,607,648,800*	2000 - 3,427,400,400
1990 - 2,949,484,000*	

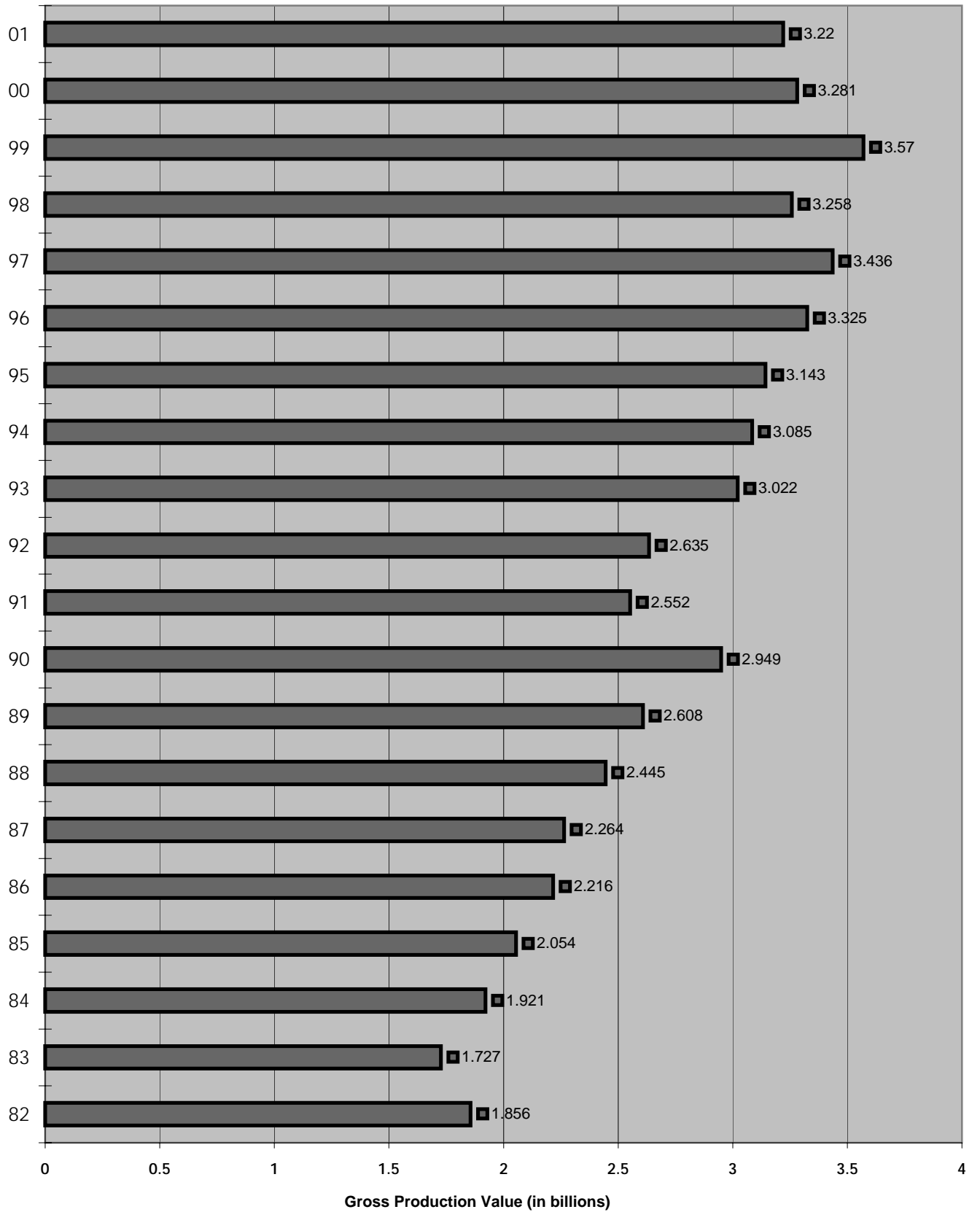
**SIX-YEAR COMPARISON OF GROSS PRODUCTION VALUE IN FRESNO COUNTY**

<b>CROPS</b>	<b>1980</b>	<b>1990</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>
<b>Field</b>	\$ 635,717,000	\$ 597,457,000	\$ 626,737,000	\$ 466,556,000	\$ 485,640,000	\$ 507,952,000
<b>Seed</b>	43,629,000	53,078,000	24,075,000	33,202,000*	43,332,000	35,068,000
<b>Vegetable</b>	186,702,000*	605,544,000	681,390,000	691,940,000	882,648,000	791,607,000
<b>Fruit &amp; Nut</b>	752,466,400	940,919,000	1,362,559,800	1,211,362,000*	1,191,094,000	1,244,735,800
<b>Nursery</b>	3,929,000	18,194,000	36,837,200	29,575,600	32,530,600	28,904,600
<b>Livestock</b>	374,215,900	715,355,000*	685,664,000*	809,503,000	917,722,000*	800,984,000
<b>Apiary</b>	5,789,600	6,844,000	8,486,000	9,008,000	10,874,000	9,209,000
<b>Industrial</b>	+	12,093,000	10,694,500	6,566,000*	6,187,000	8,940,000
<b>TOTAL</b>	<b>\$ 2,002,448,900*</b>	<b>\$2,949,484,000*</b>	<b>\$3,436,443,500*</b>	<b>\$3,257,712,600*</b>	<b>\$3,570,027,600*</b>	<b>\$3,427,400,400</b>

\*Revised

+Not reported

GROWTH OF FRESNO COUNTY AGRICULTURE  
OVER A TWENTY YEAR SPAN  
1982 through 2001



RELATIONSHIP IN TERMS OF TOTAL VALUE  
FOR 2000 CROP YEAR  
\$3,427,400,400

