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The Honorable Board of Supervisors
County of Fresno

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County Administrative Officer

I am pleased to submit the 2001 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 2001 Agricultural Crop and Livestock report is dedicated to the memory of Deran Koligian, District 1 representative on the Fresno County Board of Supervisors from January 1, 1983, to December 11, 2001. Supervisor Koligian described himself as a "dirt farmer, nothing more and nothing less." He was an advocate for agriculture and agricultural land preservation, while representing all District 1 constituents with determination and fairness.

The total gross production value of Fresno County agricultural commodities in 2001 was \$3,220,101,800. This represents a 1.86 percent decrease from the 2000 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.

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, Jennifer Fulbright and Brice Gross; and Seasonal Agricultural/Standards Specialists Cézanne Baker and Royann Delgado, 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

DEDICATION

DERAN KOLIGIAN

The 2001 Crop Report is dedicated to the memory of Deran Koligian, in honor and recognition of his commitment, leadership and nineteen years of devoted service to the citizens and agriculture industry of Fresno County during his tenure as a member of the Board of Supervisors representing District 1.

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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	2001 Rank	2001 Dollar Value	2000 Rank	1991 Rank	1981 Rank
COTTON	1	\$ 368,121,000	3	2	1
GRAPES	2	343,135,000	1*	1	2
POULTRY	3	339,051,000	2	+	+
MILK	4	248,554,000	5	6	4
TOMATOES	5	206,708,000	4	3	6
CATTLE AND CALVES	6	185,500,000	6*	4*	3
ALMONDS	7	149,671,000	7	12	15
ORANGES	8	146,132,000	11	18	9
GARLIC	9	123,854,000	12	13	20
NECTARINES	10	<u>102,705,000</u>	14	10	8
TOP TEN TOTAL		\$2,213,431,000			

+ Not previously combined for ranking purposes

* Revised

2001 Highlights in Retrospect

January:

Cold, dry weather slowed growth in grains, field crops, and vegetables. Wheat, barley, and oats were fertilized and treated with herbicides. Fields were prepared for alfalfa, cotton, tomatoes, and vegetables. Grape vines were pruned and tied; brush was shredded and disced. Nut and tree fruit orchards were pruned and treated with dormant sprays and herbicides. Lettuce was thinned, weeded, and irrigated. Garlic, onions, and carrots were planted. Bok choy, broccoli, cauliflower, cabbage and napa cabbage, cilantro, and mustard greens were harvested. Navel oranges and Satsuma mandarins were picked and packed.

February:

Heavy rain and hail on February 10 damaged approximately 75 acres of vegetable crops. Fields were prepared for the planting cotton, tomatoes, and summer vegetable crops. Alfalfa was fertilized and treated with herbicides. Pruning, tying, brush shredding, cultivation, and insecticide application continued in grape vineyards. New grape varieties were planted or grafted onto existing rootstock. Strawberry fields were weeded and plastic row covers laid down. Bloom began in strawberries, blueberries, and early stone fruit varieties. Dormant spraying, mowing, pruning, and herbicide treatments were in progress in nut and tree fruit orchards. Beehives were placed in tree fruit and almond orchards. Broccoli, cabbage, and asparagus were harvested. Specialty crops harvested were bok choy, napa cabbage, gailon, mustard greens, swiss chard, turnips, and others.

March:

Field work was hampered by rain early in the month. Preplant herbicides were applied in cotton fields and planting commenced near the end of the month. The first cutting in alfalfa was made; fields were treated for weevils and weeds. Almond and tree fruit orchards advanced through bloom, petal fall, and leafing out as the month progressed. Apple orchards were treated for scale and worms. Bud break began in grape vineyards; vines were treated for mealybug. Planting of eggplant, peppers, squash, sweet corn and other vegetables began. Lettuce, asparagus, and broccoli were harvested. The first strawberries of the season were picked. Bees were pollinating orchards. Choy sum, collard greens, daikon, green onions, leeks, and other specialty vegetables were harvested.

April:

A thunderstorm on April 7 brought wind, hail, and heavy rain that damaged grapevines, cotton, grains, and vegetables; cotton fields damaged by the storm were replanted. Head development began in small grains; growers irrigated in some fields. Field corn was cultivated and treated with herbicides. Alfalfa and oat hay were cut, windrowed, and baled; alfalfa seed fields were cultivated or burned backed with acid. Rice, sweet potatoes, yams, melons, and other vegetable crops were planted. Garlic fields were treated for rust. Tree fruit had set and was sizing well; thinning began in tree fruit orchards. Earlitreat peaches were harvested later this month. Bloom began in walnut, pecan, and apple orchards; apple growers applied thinning sprays. Strawberries were harvested; growth was slow due to cold weather. The official citrus bloom period was declared, restricting spraying in order to protect bees. Navel and Valencia oranges were harvested. Gailon, parsley, sugar and snap peas, turnips, and other specialty vegetables were harvested.

May:

Strong winds on May 2 damaged numerous crops in the westside districts; damage estimates totaled nearly two million dollars. Winter forage was cut for silage and baled for hay. Oats were harvested; oat straw was cut

and baled. Cotton fields were thinned, weeded, and treated for insect pests. Sugar beets were irrigated and cultivated. Bloom began in grape vineyards; growers applied growth regulators. Peaches, plums, pluots, apricots, nectarines, and cherries were harvested. Pomegranates and olives were blooming; pecans and walnuts were irrigated. Sweet corn began to develop tassels; blueberry plants set fruit. Amaranth, basil, beets, cabbage, cauliflower, chives, navel and Valencia oranges, okra, onions, squash, spinach, sugar peas, and yam leaves were harvested.

June:

Wheat, oats, and barley were harvested; straw was cut and baled. Melons, garbanzo beans, silage corn, and sweet potatoes were harvested. Cotton, safflower, and alfalfa fields were blooming; alfalfa fields were cut, windrowed, and baled. Field corn, silage corn, and sugar beet fields were irrigated, cultivated, and treated for weed control. Stone fruit harvesting continued; fruit thinning and summer pruning were in progress. Table grapes were picked and packed; pomegranates were developing color. Fresh figs, blueberries, boysenberries, and blackberries were harvested. Cucumbers, coriander, sweet corn, dill, eggplant, romaine and leaf lettuce, mint, moqua, ong choy, peppers, sinqua, squash, tomatoes, and other summer vegetables were harvested.

July:

Wheat and barley were harvested; stubble was disced, burned, or grazed by sheep. Cotton was irrigated, cultivated, and treated for insect control. Hand crews weeded and thinned some cotton fields. Alfalfa seed fields bloomed, set seed, and were harvested; alfalfa hay was cut, windrowed, and baled. Field corn was irrigated and treated for pests. Sugar beets, silage corn, and garbanzo beans were harvested. Safflower was blooming. Stone fruit, table grapes, Valencia oranges, Gala apples, and Asian pears were harvested. Almond hull split began; growers prepared orchards for harvest. Melons, onions, tomatoes, garlic, and other summer vegetables were harvested. Range conditions were very dry with little grazing available. Specialty vegetables harvested included green beans, bittermelon, cucumbers, eggplant, opo, peppers, and squash.

August:

Small grain harvesting continued; straw was baled and stacked. Winter wheat, forage, and rice were planted. Cotton bloom continued and boll set began. Alfalfa hay and seed were harvested; hay fields were green chopped for dairy feed. Sugar beets, garbanzos, and other dry beans were harvested. Table, juice, raisin, and wine grapes were harvested. Numerous varieties of stone fruit were harvested, along with almonds, apples, figs, Valencia oranges, pomegranates, pears, and Asian pears. Lettuce and broccoli plants were emerging and growing well. Garlic, lemon grass, long beans, melons, onions, sugar cane, tomatoes, and other summer and specialty vegetables were harvested.

September:

Harvested grain fields were prepared for fall planting. Cotton bolls were opening; defoliation began in some areas. Cotton harvesting began at the end of the month. Rice, dry beans, alfalfa hay, alfalfa seed, sudan, field corn, sweet corn, sweet potatoes, and sugar beets were harvested. New alfalfa hay fields were planted; silage was chopped and stored for dairy cattle feed. Sheep grazed harvested grain and alfalfa fields. Lettuce and broccoli were irrigated, thinned, weeded, and treated for insect pests. Seed lettuce began to bloom. Table, wine, juice, and raisin grapes were harvested. Olive groves were treated for Olive Fruit Fly; harvest began at the end of the month. Apples, quince, pomegranates, pears, stone fruit, and almonds were harvested. Mixed melons, specialty, and summer vegetables were harvested.

October:

Winter wheat and forage was planted; other grain fields were prepared for planting. Cotton, alfalfa hay, sudan, and silage harvesting continued. Rice, seed corn, field corn, and dry beans were harvested. Raisin, wine, and juice grape harvests were completed; table grape vineyards continued to produce fruit. The stone fruit harvest was complete by the end of the month; growers were irrigating and pruning to prepare their trees for dormancy. Almonds, walnuts, pistachios, and pecans were harvested. Apples, prunes, Asian pears, pomegranates, quince, persimmons, kiwifruit, figs, and strawberries were harvested as blueberries were being pruned. The melon harvest was completed as lettuce and broccoli harvesting began; seed lettuce was blooming and maturing. Garlic, tomatoes, and other summer vegetables were harvested; fields were prepared for planting of garlic, onions, cauliflower, broccoli, and other spring vegetables. Pumpkins were picked for Jack O' Lanterns and commercial processing. Olives were harvested for processing and oil. The navel orange harvest commenced; picking and packing of Valencia oranges continued.

November:

Rain early in the month slowed harvest activity in cotton, vegetables and alfalfa hay. Rice, almond, walnut, and most vegetable harvests completed; lettuce, broccoli, and cauliflower harvesting continued. New fields were planted to wheat, oats, and barley. Table grape picking and packing continued; some vines were tarped to protect them from rain. Pruning and cultivating were underway in grape vineyards and tree fruit orchards. Harvesting continued in pistachios, apples, persimmons, quince, kiwifruit, and pomegranates. This month's harvested vegetables included napa cabbage, sweet corn, collard greens, daikon, eggplant, lemon grass, mint, moqua, ong choy, peanuts, peppers, potatoes, squash, taro, turnips, tomatoes, wintermelon, and yams.

December:

Some lodging in small grains was caused by recent storms. The cotton harvest nearly completed with the exception of a few fields hampered by wet conditions. Newly emerged fields of sugar beets, garlic, and onions were growing well. Broccoli and cabbage were harvested in the Huron district. Orchards and vineyards were removed in some locations and ground was prepared for new plantings. Strawberry plants were topped and beds covered with plastic sheeting. Navel oranges and lemons were harvested. Specialty crop growers harvested bok choy, dill, gailon, leaf lettuce, mustard greens, spinach, wintermelon, yu choy, and other cold season crops.

FIELD CROPS: The total gross returns for field crops increased by \$7,855,000, from \$507,952,000 to \$515,807,000. The harvested acreage of barley was up 3,000 acres and the value of the crop increased \$669,000. Cotton, the number one crop in the county for 2001, increased in value \$13,681,000. This was up 3.86 percent from 2000 and resulted from a \$85,780,000 increase in the value of the Pima lint. Returns for alfalfa hay increased \$9,274,000 in spite of a 4,000 acre reduction in crop size. Field stubble, which consists of seed and hay alfalfa, barley, beans, broccoli, lettuce, melons, oats, tomatoes, and wheat, nearly tripled in value, climbing from \$571,000 to \$1,490,000. The harvested acreage of safflower was up and the price paid to growers increased nearly \$100 a ton; the value of this years' crop was \$1,225,000. Sugar beet acreage was down for the third year in a row; the value of the crop decreased \$8,461,000.

SEED CROPS: Total gross returns for all seed crops decreased by \$18,036,000 from the revised 2000 value of \$60,916,000 to \$42,880,000. The returns for alfalfa seed were down 47.16 percent; cotton seed decreased in value by \$1,044,000. Vegetable seed plantings were down 76.57 percent, or 2,810 acres. The other category of seed crops lost \$3,354,000 in value.

VEGETABLE CROPS: The total gross returns for vegetable crops decreased \$53,615,000, from \$791,607,000 to \$737,992,000. Bell peppers increased in value by \$8,897,000 and asparagus was down \$2,570,000. The garlic crop was up in value by \$39,512,000. Fresh garlic increased in value 34.80 percent; processed 64.39 percent. The value of the spring head lettuce crop was up \$10,008,000 while fall lettuce was down \$30,860,000. Increases in the yield per acre and price pushed the value of the cantaloupe crop up \$2,152,000. Gross returns for watermelons were up 45.86 percent. The fresh onion crop increased in value by nearly 50 percent. Total gross returns for standard tomatoes dropped 32.69 percent; processed tomatoes were down 25.06 percent.

FRUIT AND NUT CROPS: The total gross returns for fruit and nut crops decreased by \$24,266,800, from the revised 2000 value of \$1,093,432,800 to \$1,069,166,000. The value of the almond crop increased \$31,688,000; meats were up \$27,709,000 and hulls increased \$3,979,000. The price paid to growers for cherries decreased 37.85 percent, from \$6,571.00 a ton to \$4,084.00 a ton. The value of the orange crop climbed to \$146,132,000, up 61.1 percent from last year. The value of the 2000 grape crop was revised to reflect the actual price of \$600 per ton paid to raisin growers. The value of the 2001 grape crop was \$343,135,000, down \$147,950,000 from the 2000 adjusted value of \$491,085,000. It was a good year for nectarines, the crop increased in value \$24,641,000. Peaches were up \$1,117,000 and plums decreased in value \$1,322,000. The harvested acreage of both pistachios and prunes increased significantly; pistachios were up 55.19 percent and prunes 24.88 percent. Walnut plantings increased by 175 acres; the value of the crop was up \$1,639,000.

NURSERY: The gross returns from the sales of nursery products increased by \$3,109,300, from \$28,904,600 to \$32,013,900. The production of Christmas trees, down by 56.83 percent, had a value of \$10,900. The returns for other nursery products, which include bareroot fruit trees, citrus (budwood and trees), grape (rootings and cuttings), vegetable transplants, and turf, increased from \$16,302,000 to \$20,383,000.

LIVESTOCK AND POULTRY: The total gross returns for livestock and poultry decreased 6.30 percent from the 2000 revised value of \$573,288,000 to \$537,148,000. This year cattle and calves was the number seven most valuable crop in the county at \$185,500,000. The value of hogs and pigs increased by 33.67 percent, or \$1,574,000, from the revised 2000 value. Lamb production was up 1,900 head.

LIVESTOCK AND POULTRY PRODUCTS: The total value of livestock and poultry products increased \$61,149,000, from \$207,036,000 to \$268,185,000. The price of manure was down \$1.80 a ton but production was up 241,000 tons. Manufacturing milk production was down by 69,000 hundred weight while the price paid to dairymen increased 3.35 a hundred weight. The value of market milk was up \$50,274,000. Wool production decreased 6,000 pounds, but was up in value \$31,000. The value of chicken, duck, and turkey eggs was up \$10,882,000.

APIARY PRODUCTS AND POLLINATION SERVICES: Gross returns for apiary and pollination services increased by \$589,900, from \$9,209,000 to \$9,798,900. The total value of honey increased \$326,000 in 2001, while beeswax was up 43.21 percent, from \$53,000 to \$75,900. The value of pollination services for alfalfa seed fell \$647,000 as a result of a 42.38 percent reduction in the number of colonies used.

INDUSTRIAL CROPS: The total value of industrial crops decreased 21.19 percent or \$1,894,000. Timber production was down 15,382,000 board feet and its value fell \$3,858,000. Firewood was up 11,900 cords and increased in value \$1,386,000.

FRESNO COUNTY

FIELD CROPS

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Barley	2001	7,100	2.61	18,500	ton	\$ 92.00	\$ 1,702,000
	2000	4,100	2.27	9,310	ton	\$ 111.00	\$ 1,033,000
Beans, dry^a	2001	11,500	.88	10,100	ton	647.00	6,535,000
	2000	13,400	1.20	16,100	ton	523.00	8,420,000
Corn							
Grain	2001	1,830	4.17	7,630	ton	104.00	794,000
	2000	4,000	4.30	17,200	ton	86.00	1,479,000
Silage	2001	21,200	23.30	494,000	ton	23.00 ^b	11,362,000
	2000	18,700	24.39	456,000	ton	27.00 ^b	12,312,000
Cotton							
Upland (Acala) Lint	2001	171,000	1,538 ^c	526,000 ^d	bale	.70 ^e	185,573,000
	2000	220,000	1,486 ^c	654,000 ^d	bale	.69 ^e	227,435,000
Seed	2001			181,000	ton	157.00	28,417,000
	2000			231,000	ton	151.00	34,881,000
Upland (Non-Acala) Lint	2001	6,230	1,172 ^c	14,600 ^d	bale	.50 ^e	3,679,000
	2000	38,100	1,293 ^c	98,500 ^d	bale	.66 ^e	32,765,000
Seed	2001			5,020	ton	157.00	788,000
	2000			34,800	ton	151.00	5,255,000
Pima Lint	2001	109,400	1,440 ^c	315,000 ^d	bale	.84 ^e	133,358,000
	2000	33,400	1,413 ^c	94,400 ^d	bale	1.00 ^e	47,578,000
Seed	2001			124,000	ton	127.00	15,748,000
	2000			37,300	ton	132.00	4,924,000
Cotton Total^f	2001	286,630					367,563,000
	2000	291,500					352,838,000
Hay							
Alfalfa	2001	67,400	7.63	514,000	ton	121.00	62,194,000
	2000	71,400	7.56	540,000	ton	98.00	52,920,000
Other ^g	2001	12,500	2.96	37,000	ton	82.00	3,034,000
	2000	10,700	4.27	45,700	ton	56.00	2,559,000

FRESNO COUNTY

FIELD CROPS (continued)

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Pasture and Range							
Field	2001	33,400			acre	\$ 44.61	\$ 1,490,000
Stubble ^h	2000	19,500			acre	\$ 29.28	\$ 571,000
Irrigated	2001	40,000			acre	125.00	5,000,000
Pasture	2000	40,000			acre	125.00	5,000,000
Grazing	2001	850,000			acre	8.00	6,800,000
Range	2000	850,000			acre	8.00	6,800,000
Rice	2001	5,620	3.90	21,900	ton	177.00	3,876,000
	2000	6,160	3.99	24,600	ton	186.00	4,576,000
Safflower	2001	4,500	1.11	5,000	ton	245.00	1,225,000
	2000	3,070	2.48	7,600	ton	146.00	1,110,000
Sugar Beets	2001	11,000	39.00	429,000	ton	36.00	15,444,000
	2000	19,100	35.76	683,000	ton	35.00	23,905,000
Wheat	2001	59,600	3.05	182,000	ton	115.00	20,930,000
	2000	69,500	2.95	205,000	ton	119.00	24,395,000
Otherⁱ	2001	10,800					7,858,000
	2000	<u>8,820</u>					<u>10,034,000</u>
Total	2001	1,389,680					\$515,807,000
	2000	1,410,450					\$507,952,000

a Includes black-eyed, garbanzo, baby lima, and pinto 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, seed alfalfa, barley, beans, broccoli, lettuce, melons, oats, tomatoes and wheat.

i Includes oats (grain and silage), ryegrass (green chopped), sorghum, straw, sugar beet pulp, sugarcane, wheat silage, and winter forage; **organic:** alfalfa, winter forage and wheat

FRESNO COUNTY

SEED CROPS

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Alfalfa	2001	10,060	750	7,545,000	lb.	\$ 1.40	\$10,563,000
Certified	2000	23,800	560	13,328,000	lb.	\$ 1.50	\$19,992,000
Cotton ^a	2001	6,980		5,584,000	lb.	.10	558,000
Certified	2000	11,200		14,560,000	lb.	.11	1,602,000
Vegetable ^b	2001	860					3,331,000
	2000	3,670					7,540,000
Other ^c	2001	2,680					28,428,000
	2000	<u>3,340*</u>					<u>31,782,000*</u>
Total	2001	13,600					\$42,880,000
	2000	30,810*					\$60,916,000*

a Included in field crop acreage

b Arugula, bok choy, kohlrabi, lettuce, mustard (Japanese and red), muzuna, onions, and tomatoes

c Alfalfa (non-certified), barley, corn, garbanzo beans, grain sorghum, rice, triticale, wheat (certified and non-certified); **flowers:** cosmos, gazania, purple cone, black-eyed susans, and zinnias

* Revised

FRESNO COUNTY

VEGETABLE CROPS

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Asparagus^a	2001	2,240	2.70	6,050	ton	\$ 1,564.00	\$ 9,462,000
	2000	2,590	2.62	6,790	ton	\$ 1,772.00	\$ 12,032,000
Bell Peppers^a	2001	1,640	21.95	36,000	ton	740.00	26,640,000
	2000	2,380	20.88	49,700	ton	357.00	17,743,000
Broccoli^a	2001	8,450	6.62	55,900	ton	419.00	23,422,000
	2000	7,640	8.31	63,500	ton	478.00	30,353,000
Eggplant^b	2001	845	11.74	9,920	ton	445.00	4,414,000
	2000	910	9.71	8,840	ton	528.00	4,668,000
Garlic							
Fresh	2001	6,280	7.36	46,200	ton	1,459.00	67,406,000
	2000	4,500	8.31	37,400	ton	1,337.00	50,004,000
Processed	2001	18,800	8.94	168,000	ton	336.00	56,448,000
	2000	13,500	8.74	118,000	ton	291.00	34,338,000
Head Lettuce							
Naked				38,200	ton		
Wrapped				78,500	ton		
Bulk				65,400	ton		
Spring	2001	9,840	18.51	182,100	ton	291.00	52,991,000
Season Total	2000	9,920	14.79	146,700	ton	293.00	42,983,000
Naked				33,700	ton		
Wrapped				75,100	ton		
Bulk				49,000	ton		
Fall	2001	10,300	15.32	157,800	ton	223.00	35,189,000
Season Total	2000	10,100	20.56	207,700	ton	318.00	66,049,000
Head Lettuce	2001	20,140		339,900			88,180,000
Totals	2000	20,020		354,400			109,032,000

FRESNO COUNTY

VEGETABLE CROPS (continued)

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Leaf Lettuce ^c	2001	5,730	9.35	53,600	ton	\$ 610.00	\$ 32,696,000
	2000	4,800	10.38	49,800	ton	\$ 842.00	\$ 41,932,000
Melons							
Cantaloupe ^a	2001	25,600	13.91	356,000	ton	227.00	80,812,000
	2000	28,700	13.24	380,000	ton	207.00	78,660,000
Honeydew	2001	5,200	13.35	69,400	ton	231.00	16,031,000
	2000	3,770	17.16	64,700	ton	310.00	20,057,000
Mixed Melons ^d	2001	1,540	11.75	18,100	ton	350.00	6,335,000
	2000	1,670	8.80	14,700	ton	281.00	4,131,000
Watermelon	2001	2,040	33.53	68,400	ton	198.00	13,543,000
	2000	1,720	31.57	54,300	ton	171.00	9,285,000
Onions							
Fresh	2001	5,880	27.72	163,000	ton	209.00	34,067,000
	2000	5,330	25.00	133,000	ton	175.00	23,275,000
Processed	2001	10,500	16.00	168,000	ton	83.00	13,944,000
	2000	9,100	18.90	172,000	ton	78.00	13,416,000
Oriental Vegetables ^e	2001	1,350	8.52	11,500	ton	449.00	5,164,000
	2000	1,350	7.41	10,000	ton	567.00	5,670,000
Squash ^f	2001	795	6.78	5,390	ton	437.00	2,355,000
	2000	820	7.00	5,740	ton	514.00	2,950,000
Sweet Corn	2001	6,310	11.62	73,300	ton	252.00	18,472,000
	2000	7,470	11.70	87,400	ton	259.00	22,637,000
Tomatoes							
Cherry	2001	210	19.14	4,020	ton	706.00	2,838,000
	2000	170	24.53	4,170	ton	862.00	3,595,000

FRESNO COUNTY

VEGETABLE CROPS (continued)

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Tomatoes, continued							
Standard	2001	6,160	13.13	80,900	ton	\$ 336.00	\$ 27,182,000
	2000	6,350	16.69	106,000	ton	\$ 381.00	\$ 40,386,000
Processed	2001	106,000	34.73	3,681,000	ton	48.00	176,688,000
	2000	115,000	40.20	4,623,000	ton	51.00	235,773,000
Tomatoes Total	2001	112,370					206,708,000
	2000	121,520					279,754,000
Other^g	2001	8,190					31,893,000
	2000	<u>7,540</u>					<u>31,670,000</u>
Total	2001	243,900					\$ 737,992,000
	2000	245,330					\$ 791,607,000

a Includes fresh and processed

b Includes Chinese, Globe, Indian, Italian, Japanese, and Philippine varieties

c Includes Red, Green, Butter, and Romaine varieties

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

e Includes amaranth, bittermelon, bok choy (baby, regular, and Shanghai), napa cabbage, canna lilies, chayote, daikon, donqua, gai choy, gailon, lemon grass, lo bok, long beans, moqua, opo, potato leaf, seequa, sinqua, sour leaf, sugar peas, taro root, yam leaves, and you choy

f Includes summer and winter varieties

g Includes artichokes, arugula, beans (blue, jade, fava, green, Indian guava, lima, snap and tuve Indian), beets, cabbage, carrots (fresh and processed), cauliflower, celery (fresh and processed), Swiss chard, chicory/radicchio, collards, cornnuts, cucumbers (fresh and processed), dandelion greens, endive/escarole, jicama, kale, kohlrabi, leeks, mushrooms, mustard greens, okra, green onions, parsnips, English peas, peanuts, chili peppers (fresh and processed), pumpkins, radishes, rutabagas, spinach, brussel sprouts, sunchokes, sweet potatoes/yams, tomatillos, and turnips; **herbs:** anise, basil, cilantro, dill, fennel, mint, parsley (dry), rosemary, and spice mix; **organic:** arugula, beans (green, Italian and snap), broccoli (processed), carrots, cantaloupes, Swiss chard, chickory, sweet corn, cucumbers, eggplant, endive/escarole, garlic (fresh and processed), leeks, leaf and romaine lettuce, mixed melons, mustard greens, onions (fresh and processed), bell peppers, radicchio, radish, spinach, winter squash, tomatoes (fresh and processed), and zucchini (processed); **organic herbs:** basil, cilantro, fennel, parsley (fresh and dried), and rosemary

FRESNO COUNTY

FRUIT AND NUT CROPS

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Almonds^a	2001	61,896	1.06	65,610	ton	\$ 2,120.00	\$ 139,093,000
	2000	57,350	.83	47,600	ton	\$ 2,340.00	\$ 111,384,000
Almond Hulls	2001			123,000	ton	86.00	10,578,000
	2000			85,700	ton	77.00	6,599,000
Apples^a	2001	3,113	8.45				
	2000	3,205	11.95				
Fresh	2001			20,000	ton	565.00	11,300,000
	2000			19,800	ton	600.00	11,880,000
Processed	2001			6,320	ton	80.00	506,000
	2000			18,500	ton	65.00	1,203,000
Apricots^a	2001	1,340	6.00	8,040	ton	887.00	7,131,000
	2000	1,301	6.16	8,010	ton	878.00	7,033,000
Cherries	2001	1,550	2.49	3,860	ton	4,084.00	15,764,000
	2000	1,496	1.76	2,630	ton	6,571.00	17,282,000
Citrus							
Lemons	2001	828	21.81				
	2000	830	12.01*				
Fresh	2001			10,400	ton	476.00	4,950,000
	2000			4,570	ton	411.00	1,878,000
Processed	2001			7,660	ton	40.00	306,000
	2000			5,400	ton	48.00	259,000
Citrus, other^b	2001	1,578	13.17				
	2000	1,205	10.94				
Fresh ^a	2001			16,900	ton	497.00	8,399,000
	2000			9,200	ton	493.00	4,536,000
Processed	2001			3,880	ton	29.00	113,000
	2000			3,980	ton	10.00	39,800

FRESNO COUNTY

FRUIT AND NUT CROPS (continued)

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Oranges							
Navel^a	2001	21,353	12.63				
	2000	20,717	12.31				
Fresh	2001			225,000	ton	\$ 513.00	\$ 115,425,000
	2000			193,000	ton	\$ 376.00	\$ 72,568,000
Processed	2001			44,600	ton	15.00	669,000
	2000			62,000	ton	25.00	1,550,000
Valencia	2001	5,292	15.61				
	2000	5,534	15.63				
Fresh	2001			68,700	ton	434.00	29,816,000
	2000			46,400	ton	323.00	14,987,000*
Processed	2001			13,900	ton	16.00	222,000
	2000			40,100	ton	40.00	1,604,000
Oranges Total	2001	26,645					146,132,000
	2000	26,251					90,709,000*
Grapes							
Raisin Varieties^a	2001	171,900	6.93				
	2000	170,817	11.22				
Canned	2001			24,500	ton	376.00	9,212,000
	2000			9,700	ton	181.00	1,756,000
Crushed	2001			165,000	ton	86.00	14,190,000
	2000			322,000	ton	124.00	39,928,000
Dried	2001			233,000	ton	525.00	122,325,000
	2000			356,000	ton	600.00 ^c	213,600,000*
Fresh	2001			45,000	ton	926.00	41,670,000
	2000			55,000	ton	885.00	48,675,000
Juice	2001			1,510	ton	467.00	705,000
	2000			2,100	ton	539.00	1,132,000

FRESNO COUNTY

FRUIT AND NUT CROPS (continued)

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Grapes (continued)							
Table Varieties	2001	11,586	6.90				
	2000	10,677	9.37				
Crushed	2001			12,000	ton	\$ 76.00	\$ 912,000
	2000			15,000	ton	\$ 93.00	\$ 1,395,000
Fresh ^a	2001			68,000	ton	1,062.00	72,216,000
	2000			85,000	ton	956.00	81,260,000
Wine Varieties	2001	47,091	9.26				
	2000	43,782	11.11				
Crushed ^a	2001			432,000	ton	185.00	79,920,000
	2000			483,000	ton	210.00	101,430,000
Juice	2001			4,170	ton	476.00	1,985,000
	2000			3,510	ton	544.00	1,909,000
Grapes Total	2001	230,577					343,135,000
	2000	225,276					491,085,000*
Kiwifruit^a	2001	466	6.50	3,030	ton	714.00	2,163,000
	2000	415	6.43	2,670	ton	843.00	2,251,000
Nectarines^a	2001	14,808	8.31	123,000	ton	835.00	102,705,000
	2000	13,784	8.13	112,000	ton	697.00	78,064,000
Olives, canned^a	2001	954	3.65	3,480	ton	690.00	2,401,000
	2000	1,230	1.87	2,300	ton	775.00	1,783,000
Peaches							
Cling	2001	1,294	17.93	23,200	ton	237.00	5,498,000
	2000	1,263	17.81	22,500	ton	232.00	5,220,000
Freestone ^a	2001	13,246	8.53	113,000	ton	803.00	90,739,000
	2000	12,690	9.77	124,000	ton	725.00	89,900,000
Peaches Total	2001	14,540					96,237,000
	2000	13,953					95,120,000
Pears, Asian and European	2001	898	11.47	10,300	ton	1,015.00	10,455,000
	2000	972	12.24	11,900	ton	1,013.00	12,055,000

FRESNO COUNTY

FRUIT AND NUT CROPS (continued)

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Persimmons	2001	439	8.50	3,730	ton	\$ 550.00	\$ 2,052,000
	2000	411	9.49	3,900	ton	\$ 697.00	\$ 2,718,000
Pistachios	2001	7,047	1.26	8,880	ton	2,280.00	20,246,000
	2000	4,541	1.45	6,580	ton	2,300.00	15,134,000
Plums ^a	2001	14,774	8.05	119,000	ton	802.00	95,438,000
	2000	14,841	7.95	118,000	ton	820.00	96,760,000
Pomegranates	2001	1,480	6.42	9,500	ton	751.00	7,135,000
	2000	1,089	4.80	5,230	ton	1,147.00	5,999,000
Prunes, dried ^a	2001	4,412	2.67	11,800	ton	650.00	7,670,000
	2000	3,533	1.85	6,540	ton	844.00	5,520,000
Strawberries ^a	2001	210	8.81	1,850	ton	1,951.00	3,609,000
	2000 ^d	494	19.25	9,510	ton	761.00	7,237,000
Walnuts ^a	2001	3,297	2.17	7,150	ton	1,178.00	8,423,000
	2000	3,122	1.70	5,300	ton	1,280.00	6,784,000
Other ^e	2001	4,440					23,290,000
	2000	<u>3,480</u>					<u>20,120,000</u>
Total	2001	395,292					\$1,069,231,000
	2000	378,779					\$1,093,432,800*

a Acres packed fresh or processed are included in other fruit and nut crops: 6 acres apricots (processed), 110 acres olive oil, 40 acres prunes, and 17 acres freestone peaches (processed); **organic:** 40 acres almonds, 48 acres apples, 6 acres apricots, 48 acres table grapes, 531 acres raisin grapes, 36 acres raisins (processed), 280 acres wine grapes, 11 acres kiwifruit, 4 acres mandarin tangerines, 32 acres nectarines, 54 acres navel oranges (fresh and processed), 46 acres freestone peaches, 146 acres plums, 1 acre strawberries, and 78 acres walnuts

b Includes blood oranges, grapefruit, mandarin tangerines, minneola tangelos, and pummelos

c An agreed-upon price per ton for raisins had not been reached when this report went to print in 2001. The value used, for reporting purposes only, was \$1,025 per ton, the last value offered by the Raisin Bargaining Association. The revised value of \$600 for 2000 raisin prices used in this report, reflects free tonnage, reserve tonnage and raisin diversion program tonnage.

d Includes fresh and processed

e Includes apples (dried), apricots (dried and processed), avocados, berries (other), blackberries, blueberries, boysenberries, chestnuts, figs (fresh, dried, and substandard), grapes (compost and raisin by-products), jujubes, kiwifruit, nectarines (dried and processed), olives (oil), peaches (dried and processed), pecans, plumcots/pluots, plums (processed), prunes (processed), quince, and strawberries (processed); **organic:** almonds, apples (fresh), apricots (processed), figs (dried, fresh and substandard), grape leaves, grapes (table, raisin, and wine), kiwifruit, mandarin tangerines, nectarines, navel oranges (fresh and processed), peaches, plumcots/pluots, plums, strawberries, and walnuts

* Revised

FRESNO COUNTY

NURSERY PRODUCTS

ITEM	YEAR	ACRES	QUANTITY	UNIT	VALUE
Christmas Trees	2001	35	600	trees	\$ 10,900
	2000	28	1,390	trees	\$ 36,600
Herbaceous Ornamentals^a	2001	20	977,000	b	3,792,000
	2000	18	11,036,000	b	4,598,000
Ornamental Trees and Shrubs	2001	85	1,028,000	plants	7,828,000
	2000	90	1,074,000	plants	7,968,000
Other^c	2001	622	181,019,000	plants	20,383,000
	2000	<u>590</u>	261,995,000	plants	<u>16,302,000</u>
Total	2001	762			\$32,013,900
	2000	726			\$28,904,600

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
Cattle and Calves						
Beef						
Breeding Stock						
Common	2001	1,280		head	\$ 732.00	\$ 937,000
	2000	1,290		head	\$ 714.00	\$ 921,000
Registered	2001	320		head	2,800.00	896,000
	2000	320		head	1,491.00	477,000
Feeders	2001	155,000	309,000	cwt.	80.47	24,865,000
	2000	135,000	269,000	cwt.	79.80	21,466,000
Calves	2001	22,400	67,200	cwt.	100.43	6,749,000
	2000	22,600	67,900	cwt.	102.90	6,987,000
Slaughter Stock	2001	262,000	1,325,000 ^a	cwt.	71.43	94,645,000
	2000	253,000*	1,233,000 ^{a*}	cwt.	68.80	84,830,000*
Dairy						
Breeding Stock	2001	12,400		head	1,760.00	21,824,000
	2000	11,700		head	1,580.00	18,486,000
Cull Stock	2001	26,900	350,000	cwt.	44.06	15,421,000
	2000	26,300	342,000	cwt.	41.20	14,090,000
Calves	2001	46,900	141,000	cwt.	143.00	20,163,000
	2000	37,300	112,000	cwt.	143.00	16,016,000
Cattle and Calves Total	2001					185,500,000
	2000					163,273,000*
Hogs and Pigs						
Feeder Pigs and Slaughter Stock	2001	51,200	104,000	cwt.	60.09	6,249,000
	2000	47,700*	106,000*	cwt.	44.12*	4,675,000*

FRESNO COUNTY

LIVESTOCK AND POULTRY (continued)

ITEM	YEAR	PRODUCTION		UNIT	VALUE	
		NO. OF HEAD	TOTAL LIVEWEIGHT		PER UNIT	TOTAL
Sheep and Lambs						
Slaughter Stock						
Lambs	2001	49,800	56,000	cwt.	\$ 79.36	\$ 4,444,000
	2000	47,900	53,900	cwt.	\$ 78.48	\$ 4,230,000
Sheep	2001	11,200	15,600	cwt.	31.22	487,000
	2000	11,300	15,800	cwt.	31.84	503,000
Turkeys	2001	5,431,000	124,587,000	lb.	.40	49,835,000
	2000	5,606,000	131,741,000	lb.	.40	52,696,000
Other^b	2001					290,633,000
	2000					<u>347,911,000</u>
Total	2001					\$537,148,000
	2000					\$573,288,000*

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
Manure^a	2001	564,000	ton	\$ 4.50	\$ 2,538,000
	2000	323,000	ton	\$ 6.30	\$ 2,035,000
Milk					
Manufacturing	2001	32,000	cwt.	12.75	408,000
	2000	101,000	cwt.	9.40	949,000
Market ^b	2001	18,047,000	cwt.	13.75	248,146,000
	2000	17,449,000	cwt.	11.34	197,872,000
Wool	2001	558,000	lb.	.40	223,000
	2000	564,000	lb.	.34	192,000
Eggs					
Chicken, Duck & Turkey ^c	2001	7,703,000	dozen	2.19	16,870,000
	2000	998,000	dozen	6.00	<u>5,988,000</u>
Total	2001				\$268,185,000
	2000				\$207,036,000

a Includes cow and poultry manure

b Includes cow and goat milk

c Includes balut, market, hatching, and excess eggs

FRESNO COUNTY

APIARY PRODUCTS AND POLLINATION SERVICES

ITEM	YEAR	PRODUCTION TOTAL	UNIT	VALUE	
				PER UNIT	TOTAL
Apiary Products^a					
Honey	2001	2,334,000	lb.	\$.63	\$ 1,470,000
	2000	2,243,000	lb.	\$.51	\$ 1,144,000
Beeswax	2001	62,700	lb.	1.21	75,900
	2000	42,700	lb.	1.24	53,000
Pollination^b					
Alfalfa Seed	2001	31,000	colony	26.26	814,000
	2000	53,800	colony	27.16	1,461,000
Trees, Fruit and Nut^c	2001	156,000	colony	44.52	6,945,000
	2000	144,000	colony	41.90	6,034,000
Cantaloupe	2001	30,900	colony	16.00	494,000
	2000	27,700	colony	18.66	<u>517,000</u>
Total	2001				\$ 9,798,900
	2000				\$ 9,209,000

a Reflects bee colonies registered in Fresno County by commercial and semi-commercial beekeepers: 2001- 47,892 colonies; 2000- 43,530 colonies

b Reflects value of pollination by all bee colonies located in Fresno County for pollination services during 2001. Estimated total colonies: 69,705

c Almonds, cherries, and plums

FRESNO COUNTY

INDUSTRIAL CROPS

CROP	YEAR	PRODUCTION	UNIT	VALUE
Timber ^a	2001	16,301,000	board feet	\$ 4,917,000
	2000	31,683,000	board feet	\$ 8,775,000
Firewood	2001	15,200	CORDS	1,551,000
	2000	3,300	CORDS	165,000
Other ^b	2001			578,000
	2000*			_____
Total	2001			\$ 7,046,000
	2000			\$ 8,940,000

a Includes government and non-government properties

b Includes walnut stumps and woodchips for biomass

* Not previously reported

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

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 - 3,281,285,400*
1990 - 2,949,484,000*	2001 - 3,220,101,800
1991 - 2,552,305,040*	

SIX-YEAR COMPARISON OF GROSS PRODUCTION VALUE IN FRESNO COUNTY

CROPS	1981	1991	1998	1999	2000	2001
Field	\$ 580,238,000	\$ 500,333,000	\$ 466,556,000	\$ 485,640,000	\$ 507,952,000	\$ 515,807,000
Seed	46,716,000	39,729,400	33,202,000*	43,332,000	60,916,000*	42,880,000
Vegetable	186,262,000	524,538,000*	691,940,000	882,648,000	791,607,000	737,992,000
Fruit & Nut	679,717,300*	798,039,840	1,211,362,000*	1,191,094,000	1,093,432,800*	1,069,231,000
Nursery	5,675,000	18,074,000	29,575,600	32,530,600	28,904,600	32,013,900
Livestock	396,568,000	657,290,000*	809,503,000	917,722,000*	780,324,000*	805,333,000
Apiary	5,412,940	6,027,400	9,008,000	10,874,000	9,209,000	9,798,900
Industrial	<u>4,700,000</u>	<u>8,273,400</u>	<u>6,566,000*</u>	<u>6,187,000</u>	<u>8,940,000</u>	<u>7,046,000</u>
TOTAL	\$ 1,905,289,240*	\$2,552,305,040*	\$3,257,712,600*	\$3,570,027,600*	\$3,281,285,400*	\$3,220,101,800

*Revised

SUSTAINABLE AGRICULTURE

2001 BIOLOGICAL CONTROL ACTIVITIES

PEST	B.C. AGENT/MECHANISM	ACTIVITY
Puncture Vine	Puncture Vine Weevils	Confirmed that weevils were present in good numbers. No introduction needed.
Glassy-Winged Sharpshooter	<i>Gonatocerus triguttatus</i>	Released 2000 in September and October.

2001 DETECTION ACTIVITIES

INSECT	TRAPS DEPLOYED	RESULTS
Medfly	818	Two sterile flies trapped
Mexican Fruit Fly	189	None captured
Oriental Fruit Fly	153	None captured
Melon Fly	146	None captured
Gypsy Moth	402	None captured
Japanese Beetle	299	None captured
Glassy-Winged Sharpshooter	800	One nursery and numerous residences positive

SUSTAINABLE AGRICULTURE

PEST ERADICATION

RED IMPORTED FIRE ANT: continues to be found in Fresno County. An infested almond orchard was discovered during a routine survey for RIFA. It was located at the southwest corner of Jensen and Westlawn. Portions of the orchard were fairly heavily infested and it appears to have been there for several years. As the state continues to survey the almond orchards in the county, it is likely that they will find some more. The State will eradicate the population as they are found.

A former RIFA site was found to have expanded its range in the Clovis area. The RIFA site at Leonard and Shaw was found in a Southeast Asian farm across the street from the original site. A re-survey of the farm turned up positive. The initial survey of the farm had been negative. The state will lease the property, have it disced and leveled and then treat it.

GLASSY-WINGED SHARPSHOOTER: GWSS continued to be eradicated by Fresno County. As properties were found to be positive, the county sprayed them. One streetside planting at Perrin and Shepherd was left untreated to allow for release of the parasitoid *Gonatocerus triguttatus*. It is not known yet whether the parasitoids successfully established.

NEW AND UNUSUAL PEST OUTBREAKS IN 2001

In June, **Caribbean Fruit Fly** (*Anastrepha suspensa*) was detected in a shipment of guavas from Florida by one of our sniffer dogs. Forty-five maggots were found in the guava. This find possibly saved the county from a major eradication effort. The dogs definitely proved their worth.

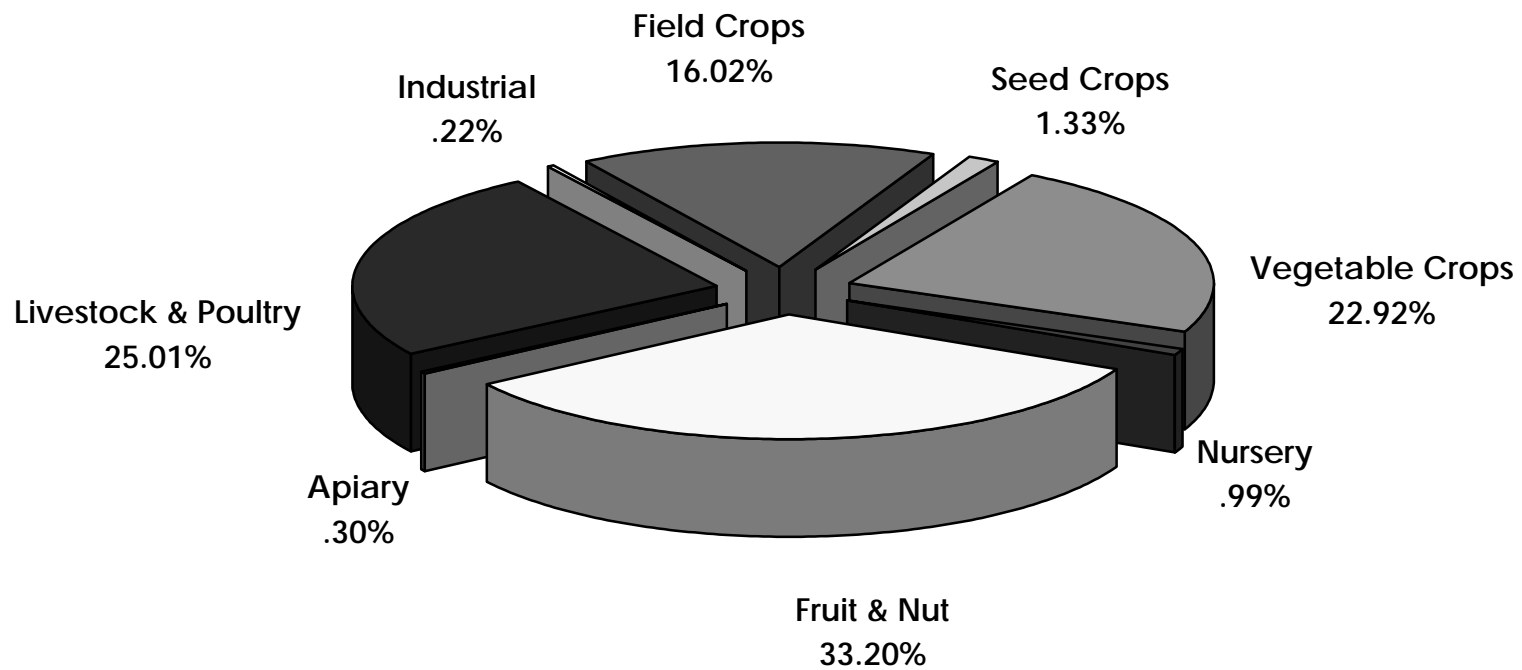
Silver Leaf Whitefly (*Bemisia argentifoliae*), had a major outbreak late in the year. Huge clouds of adults migrated from the cotton growing areas of the Valley over to the eastside in the areas of Sanger and Reedley. Many ornamental plants and vegetable gardens were badly infested by the adults. The outbreak resulted from a very warm May and low cotton prices that prevented cotton growers from doing a lot of spraying. Populations built up in the cotton and when defoliation began they migrated out.

In July, **Striped Mealybug** (*Ferrisia virgata*) was found for the first time in Fresno County. The "B" rated pest was found on some backyard plants at a home near Bullard and First. The homeowner was going to treat her plants. The majority of specimens were found on azaleas.

2001 ORGANIC FARMING

Gross returns for organic farming in 2001 totaled \$14,252,000. A large variety of crops were produced in compliance with the California Organic Food Act of 1990. One hundred farms totaling 8,457 acres and 23 handlers (shippers/packers) were registered organic in Fresno County in 2001. Crops grown, packed, and shipped include alfalfa, almonds, apples, apricots, arugula, artichoke, barley, basil, beans, beets, bell peppers, blueberries, broccoli, cabbage, cantaloupes, carrots, cattle, cauliflower, celery, chard, cherries, cilantro, corn, cotton, cucumbers, daikon, eggplant, endive, fennel, figs, garlic, gourds, grapes, grapefruit, kiwifruit, leeks, lemons, lettuce, milk, nectarines, nursery plants, olives, onions, oranges, parsley, parsnip, peaches, peas, peppers, persimmons, pistachios, plums, pluots, pomegranates, potatoes, radishes, raisins, shallots, spinach, squash, strawberries, tangerines, tomatoes, turkeys, walnuts, watermelons, and wheat.

RELATIONSHIP IN TERMS OF TOTAL VALUE
FOR 2001 CROP YEAR
\$3,220,101,800



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

