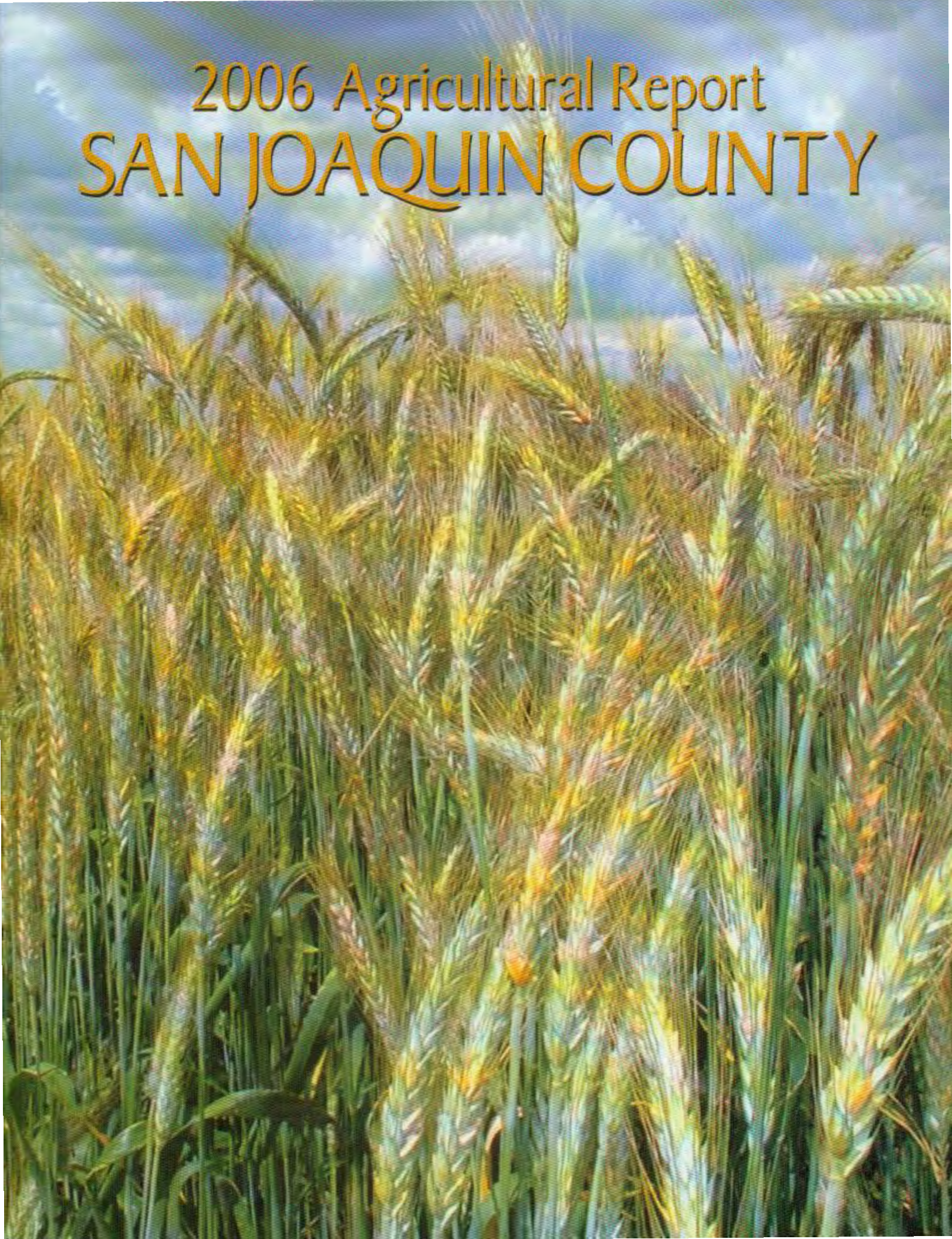
2006 Agricultural Report
SAN JOAQUIN COUNTY



SAN JOAQUIN COUNTY
AGRICULTURAL COMMISSIONER'S OFFICE

2006 ANNUAL CROP REPORT

Scott Hudson
Agricultural Commissioner

Compiled By
Kimberly D. Haile

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Laura Serrano	**Senior Office Assistant, Tracy**

All staff are based in Stockton unless otherwise noted.

SAN JOAQUIN COUNTY

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A.G. KAWAMURA, SECRETARY
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE
AND
THE HONORABLE BOARD OF SUPERVISORS
SAN JOAQUIN COUNTY

Dear Secretary and Board Members:

In accordance with Section 2279 of the California Food and Agriculture Code, I am pleased to present the seventy – third Annual Report of Agricultural Production in San Joaquin County. The values shown are estimates based on the most common method of sale for the individual commodity, except for fresh fruits and vegetables where the value is based on the F.O.B. packed price at the shipping point. The figures contained in this report are gross values rather than net return to the grower.

The gross value of agricultural production for 2006 is estimated to be at $1,684,850,000. This represents a 2.9% decrease from last years production of $ 1,735,089,000. Notable losses occurred in Fruit and Nut Crops, Livestock and Poultry Products, and in Livestock and Poultry. Although we experienced decreases in these areas there were increases in Field Crops, Seed Crops, Vegetable Crops, Nursery Products and Apiary Products. Highlights for the 2006 crop year are as follows:

- Despite a second consecutive year of losses, milk remained the County's most valuable commodity. Lower prices paid to producers combined with a decrease in production resulted in a decline of 53.5 million dollars.
- Overall tomato acreage was up 10%, moving tomatoes up to the number three crop for 2006.
- July's unexpected heat wave wreaked havoc with sweet corn and pepper crops.
- Prolonged periods of cold temperatures and rainy weather drove asparagus production down 36.1 percent from 2005 yields.
- Lower yields and a reduction in bearing acreage due to variety replacement caused grapes to have an 84.7 million dollar loss.
- A significant boost in dry bean and tomato acreage occurred when late spring rains in the South San Joaquin Valley forced production north.
- With high yields and good prices walnuts achieved an all time high value.

I wish to express my sincere appreciation to all who assisted my biologists and deputies by furnishing the necessary information that made this report possible.

Respectfully submitted,

Scott Hudson
Agricultural Commissioner

FIELD CROPS

CROP	YEAR	PRODUCTION HARVESTED ACREAGE	PRODUCTION PER ACRE	PRODUCTION TOTAL	UNIT	GROSS VALUE PER UNIT	GROSS VALUE SUBTOTAL	GROSS VALUE TOTAL
BEANS, DRY, ALL	2006	10,200	1.11	11,300	TON	$766.00		$8,659,000
	2005	5,640	1.12	6,800	TON	$744.00		$4,970,000
BLACKEYE	2006	1,890	0.92	1,740	TON	$805.00	$1,401,000	
	2005	326	0.88	286	TON	$800.00	$228,000	
KIDNEY	2006	840	0.90	750	TON	$521.00	$391,000	
	2005	82	1.19	97	TON	$767.00	$74,600	
LIMA	2006	4,800	1.39	6,700	TON	$808.00	$5,414,000	
	2005	4,100	1.23	5,100	TON	$767.00	$3,837,000	
GARBANZO	2006	2,680	0.80	2,140	TON	$679.00	$1,453,000	
	2005	1,100	1.17	1,290	TON	$641.00	$830,000	
CORN, GRAIN	2006	42,700	4.43	189,000	TON	$115.00		$21,735,000
	2005	52,300	4.40	230,000	TON	$113.00		$24,142,000
HAY, ALL	2006	106,000	5.43	576,000	TON	$133.00		$76,790,000
	2005	95,500	5.06	550,000	TON	$127.00		$69,625,000
ALFALFA	2006	75,400	6.80	513,000	TON	$136.00	$69,768,000	
	2005	67,100	6.70	450,000	TON	$134.00	$60,242,000	
OTHER	2006	30,500	3.03	92,400	TON	$76.00	$7,022,000	
	2005	28,400	3.42	100,000	TON	$93.00	$9,327,000	
PASTURE & RANGE	2006	134,000			ACRE	$35.00		$4,737,000
	2005	135,000			ACRE	$38.00		$5,409,000
IRRIGATED	2006	14,500			ACRE	$145.00	$2,103,000	
	2005	14,500			ACRE	$133.00	$1,929,000	
OTHER	2006	120,000			ACRE	$22.00	$2,640,000	
	2005	120,000			ACRE	$29.00	$3,480,000	
RICE	2006	5,020	3.00	15,100	TON	$235.00		$3,549,000
	2005	3,690	3.66	13,500	TON	$223.00		$3,011,000
SAFFLOWER	2006	8,030	1.50	12,000	TON	$290.00		$3,480,000
	2005	7,710	1.80		TON	$260.00		$3,614,000
SILAGE, CORN	2006	38,600	26.90	1,038,000	TON	$27.00		$28,026,000
	2005	41,200	29.70	1,225,000	TON	$26.00		$31,845,000
SILAGE, OTHER	2006	29,200	12.16	355,000	TON	$22.00		$7,810,000
INCLUDES GREEN CHOP	2005	30,700	12.96	398,000	TON	$22.00		$8,808,000
WHEAT	2006	14,700	2.82	41,500	TON	$126.00		$5,209,000
	2005	20,400	2.97	60,600	TON	$122.00		$7,393,000
OTHER*	2006	8,270						$3,393,000
	2005	7,370						$2,187,000
TOTAL	2006	397,000						$163,388,000
	2005	400,000						$161,004,000

NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING

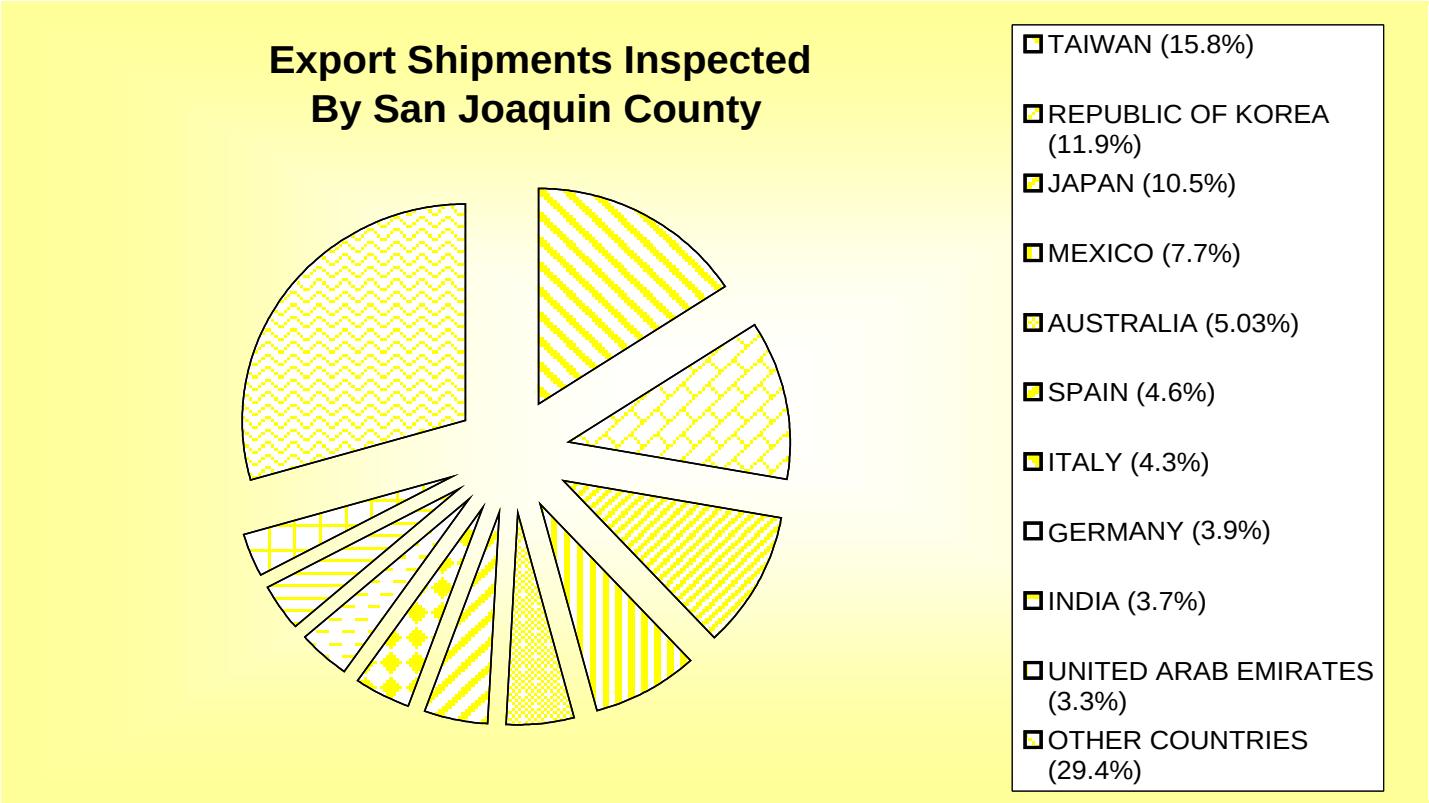
* SUGAR BEETS ARE NOW INCLUDED WITH OTHER FIELD CROPS

SEED CROPS

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION PER ACRE	PRODUCTION TOTAL	UNIT	GROSS VALUE PER UNIT	GROSS VALUE TOTAL
KIDNEY BEAN	2006	270	17.00	4,600	CWT	$35.00	$161,000
	2005	742	24.00	17,800	CWT	$39.00	$670,000
BEANS, OTHER	2006	139	23.24	3,220	CWT	$43.00	$139,000
	2005	595	23.66	14,100	CWT	$36.00	$463,000
VEGETABLE SEED*	2006	325					$2,971,000
	2005	432					$2,011,000
MISCELLANEOUS,	2006	90					$35,000
SUDAN, GRAIN & ET	2005	200					$54,000
TOTAL	2006	824					$3,306,000
	2005	1,969					$3,198,000

NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING

*INCLUDES POTATO FOR SEED



FRUIT AND NUT CROPS

CROP		PRODUCTION BEARING	PER ACRE	TOTAL	UNIT	GROSS VALUE PER UNIT	SUBTOTAL	TOTAL
ALMOND, MEATS	2006	44,000	0.74	32,600	TON	$4,400.00		$143,440,000
	2005	43,000	0.72	30,900	TON	$5,380.00		$166,580,000
ALMOND, HULLS	2006			73,400	TON	$92.00		$6,753,000
	2005			77,400	TON	$95.00		$7,338,000
APPLES, ALL	2006	3,690	16.80	62,000	TON	$650.00		$40,318,000
	2005	5,880	11.05	65,000	TON	$559.00		$36,344,000
FRESH	2006			43,000	TON	$912.00	$39,216,000	
	2005			42,900	TON	$832.00	$34,971,000	
PROCESSING	2006			19,000	TON	$58.00	$1,102,000	
	2005			22,100	TON	$62.00	$1,373,000	
APRICOTS	2006	939	6.75	6,300	TON	$315.00		$1,985,000
	2005	1,095	9.00	9,900	TON	$373.00		$3,693,000
BLUEBERRIES	2006	497	2.30	1,140	TON	$7,670.00		$8,744,000
	2005	197	2.40	473	TON	$6,000.00		$2,837,000
CHERRIES, ALL	2006	16,800	1.56	26,100	TON	$4,650.00		$121,375,000
	2005	15,500	1.60	24,800	TON	$3,900.00		$91,822,000
FRESH	2006			18,000	TON	$6,680.00	$120,240,000	
	2005			22,600	TON	$4,053.00	$91,598,000	
PROCESSING	2006			8,110	TON	$140.00	$1,135,000	
	2005			2,240	TON	$100.00	$224,000	
TABLE, CRUSHED								
GRAPES, ALL	2006	93,300	5.44	508,000	TON	$404.00		$205,000,000
	2005	96,200	7.36	708,000	TON	$409.00		$289,745,000
	2006	554	3.13	1,730	TON	$152.00	$263,000	
	2005	571	2.40	1,370	TON	$150.00	$206,000	
WINE, ALL	2006	92,700	5.46	506,000	TON	$405.00	$204,738,000	
	2005	95,700	7.39	707,000	TON	$410.00	$289,539,000	
FRESH	2006			4,110	TON	$281.00	$1,155,000	
	2005			4,240	TON	$256.00	$1,085,000	
CRUSHED	2006			504,000	TON	$404.00	$203,616,000	
	2005			703,000	TON	$410.00	$288,454,000	

NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING

*BUSHBERRIES ARE NOW INCLUDED IN MISCELLANEOUS FRUITS

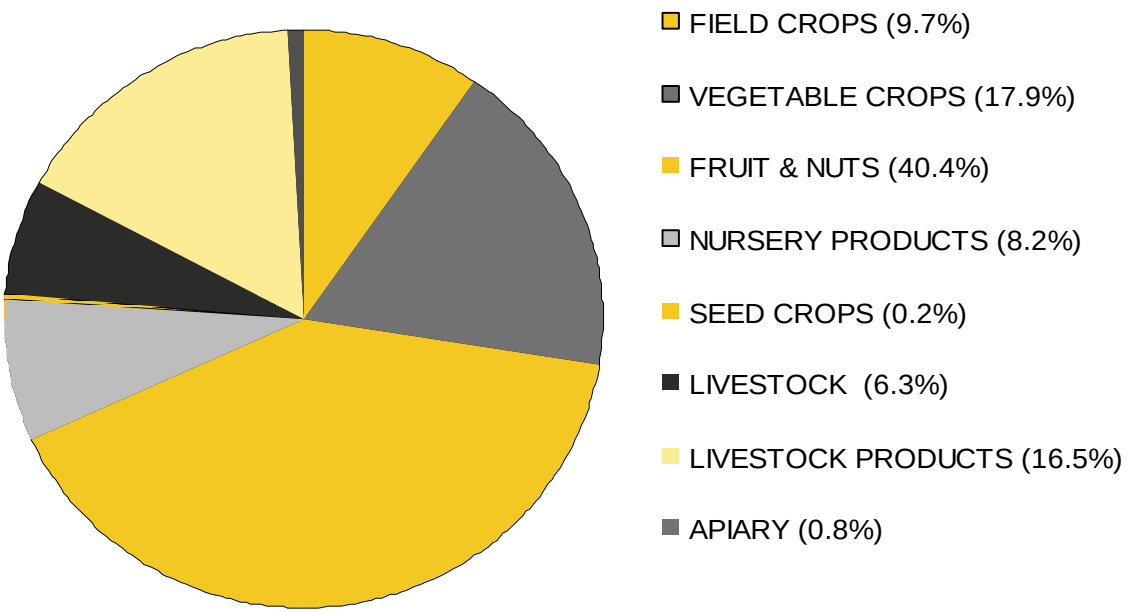
FRUIT AND NUT CROPS

CROP	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	PRODUCTION TOTAL	UNIT	GROSS VALUE PER UNIT	GROSS VALUE SUBTOTAL	GROSS VALUE TOTAL
PEACHES, ALL	2006	2,530	18.18	46,000	TON	$249.00		$11,472,000
	2005	2,440	17.40	42,300	TON	$256.00		$10,878,000
CLINGSTONE	2006	1,160	16.00	18,600	TON	$275.00	$5,115,000	
	2005	1,120	17.80	19,900	TON	$237.00	$4,718,000	
FREESTONE	2006	1,370	20.00	27,400	TON	$232.00	$6,357,000	
	2005	1,320	17.00	22,400	TON	$275.00	$6,160,000	
PEARS	2006	559	16.00	8,940	TON	$238.00		$2,128,000
	2005	586	10.50		TON	$235.00		$1,445,000
WALNUTS, ENGLISH	2006	43,900	1.83	80,300	TON	$1,663.00		$133,539,000
	2005	43,200	1.55	67,000	TON	$1,458.00		$97,628,000
MISCELLANEOUS	2006	1,350						$3,489,000
	2005	1,240						$6,501,000
BIOMASS	2006							$1,773,000
	2005							$2,052,000
TOTAL	2006	207,100						$680,016,000
	2005	209,000						$716,863,000

NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING

*BUSHBERRIES ARE NOW INCLUDED IN MISCELLANEOUS FRUITS

Percentage of Each Category to Total



VEGETABLE CROPS

		PRODUCTION				GROSS VALUE		
CROP	YEAR	HARVESTED ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	SUBTOTAL	TOTAL
ASPARAGUS	2006	13,700	1.18	16,100	TON	$2,550.00		$41,055,000
	2005	14,000	1.80	25,200	TON	$2,350.00		$59,220,000
CORN, SWEET	2006	2,210	5.58	12,400	TON	$284.00		$3,522,000
	2005	3,120	9.32	29,100	TON	$308.00		$8,931,000
CUCUMBERS	2006	1,580	7.50	11,900	TON	$177.00		$2,106,000
	2005	1,450	8.50	12,300	TON	$600.00		$7,398,000
MELONS, ALL	2006	2,160	34.95	75,500	TON	$268.00		$20,202,000
	2005	2,370	23.81	81,700	TON	$215.00		$17,537,000
WATERMEL	2006	2,070	36.00	74,500	TON	$267.00	$19,892,000	
	2005	2,200	36.25	79,700	TON	$213.00	$16,976,000	
OTHER	2006	90	10.75	968	TON	$320.00	$310,000	
	2005	173	11.36	1,970	TON	$285.00	$561,000	
ONIONS, DRY	2006	2,140	34.00	72,800	TON	$240.00		$17,472,000
	2005	2,400	22.28	53,500	TON	$225.00		$12,004,000
PEPPERS	2006	990	11.30	11,200	TON	$480.00		$5,376,000
	2005	1,230	9.06	10,600	TON	$711.00		$7,504,000
POTATOES	2006	2,640	14.40	38,000	TON	$598.00		$22,724,000
	2005	2,390	14.88	35,600	TON	$473.00		$16,767,000
PUMPKINS	2006	3,410	16.00	54,600	TON	$266.00		$14,524,000
	2005	1,506	13.00	19,600	TON	$240.00		$4,699,000
TOMATOES, ALL	2006	51,700	31.37	1,622,000	TON	$90.00		$146,330,000
	2005	47,100	30.54	1,438,000	TON	$72.00		$103,551,000
SHIPPING	2006	9,730	10.53	102,000	TON	$615.00	$62,730,000	
	2005	8,290	9.69	80,300	TON	$410.00	$32,935,000	
PROCESSING	2006	42,000	36.20	1,520,000	TON	$55.00	$83,600,000	
	2005	38,800	35.00	1,358,000	TON	$52.00	$70,616,000	
MISCELLANEOUS VEGETABLES	2006	6,180						$28,066,000
	2005	8,780						$25,942,000
TOTAL	2006	86,700						$301,377,000
	2005	84,328						$263,553,000

NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING

NURSERY PRODUCTS

ITEM	YEAR	QUANTITY SOLD	UNIT	GROSS VALUE TOTAL
GRAPEVINES, STRAWBERRY PLANTS	2006	106,448,000	PLANT	$8,786,000
FRUIT & NUT TREES	2005	70,639,000	PLANT	$6,311,000
VEGETABLE PLANTS	2006	346,556,000	PLANT	$10,938,000
	2005	266,265,000	PLANT	$10,264,000
FLOWERING POTTED PLANTS	2006	1,931,000	EACH	$5,052,000
	2005	1,936,000	EACH	$9,535,000
FOLIAGE PLANTS	2006	4,109,000	EACH	$16,305,000
	2005	3,280,000	EACH	$15,985,000
BEDDING PLANTS	2006	1,161,000	PKG	$13,841,000
	2005	1,543,000	PKG	$14,463,000
WOODY ORNAMENTALS	2006	12,528,000	EACH	$58,952,000
	2005*	12,225,000	EACH	$54,145,000
BULBS, RHIZOMES, TURF,	2006			$24,249,000
CACTUS, CHRISTMAS TREES, ETC.	2005			$22,970,000
TOTAL	2006			$138,123,000
	2005			$133,673,000

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* ADJUSTED 2005 FIGURE

APIARY PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	GROSS VALUE PER UNIT	GROSS VALUE TOTAL
HONEY	2006	133,000	LBS	$0.83	$110,000
	2005	180,000	LBS	$1.03	$185,000
POLLINATION	2006	134,000	HIVE	$92.92	$12,451,000
	2005	191,000	HIVE	$65.49	$12,509,000
OTHER APIARY*	2006				$1,294,000
TOTAL	2006				$13,855,000
	2005				$12,664,000

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*OTHER APIARY IS A NEW CATEGORY FOR 2006,

IT INCLUDES POLLEN, BEES, QUEENS, NUCLEUS COLONIES & BEESWAX

LIVESTOCK AND POULTRY

ITEM	YEAR	NO. HEAD	LIVE WEIGHT	UNIT	GROSS VALUE PER UNIT	GROSS VALUE TOTAL
CATTLE & CALVES*	2006	108,000	821,000	CWT	$106.00	$87,363,000
	2005	156,000	886,000	CWT	$103.00	$91,057,000
SHEEP & LAMBS	2006	16,100	21,000	CWT	$70.00	$1,472,000
	2005	20,000	26,700	CWT	$103.00	$2,661,000
BROILERS	2006	2,130,000	11,350,000	LBS	$0.60	$6,810,000
	2005	1,474,000	7,664,000	LBS	$0.60	$3,449,000
TURKEYS	2006	380,000	8,983,000	LBS	$0.65	$5,839,000
	2005	538,000	20,812,000	LBS	$0.39	$8,050,000
OTHER LIVESTOCK**	2006					$5,389,000
	2005					$5,275,000
TOTAL	2006					$106,873,000
	2005					$110,492,000

* NO LONGER PROCESSING SPENT HENS

**OTHER LIVESTOCK INCLUDES HOGS, GOATS, SQUAB, DUCKS, AND OTHER FOWL

LIVESTOCK AND POULTRY PRODUCTS

ITEM	YEAR	PRODUCTION		GROSS VALUE PER UNIT	GROSS VALUE SUBTOTAL	GROSS VALUE TOTAL
MILK, ALL	2006	22,213,000	CWT	$12.00		$261,030,000
	2005	22,352,000	CWT	$14.00		$314,565,000
MARKET	2006	22,162,000	CWT	$12.00	$260,399,000	
	2005	22,235,000	CWT	$14.00	$312,840,000	
MANUFACTURING	2006	51,000	CWT	$12.00	$612,000	
	2005	117,000	CWT	$15.00	$1,724,000	
WOOL	2006	64,000	LBS	$0.86		$55,000
	2005	119,000	LBS	$0.72		$86,000
EGGS, CHICKEN	2006	28,098,000	DOZ	$0.55		$15,316,000
	2005	41,709,000	DOZ	$0.41		$17,101,000
MANURE	2006	377,000	TON	$4.00		$1,511,000
	2005	378,000	TON	$5.00		$1,890,000
TOTAL	2006					$277,912,000
	2005					$333,642,000

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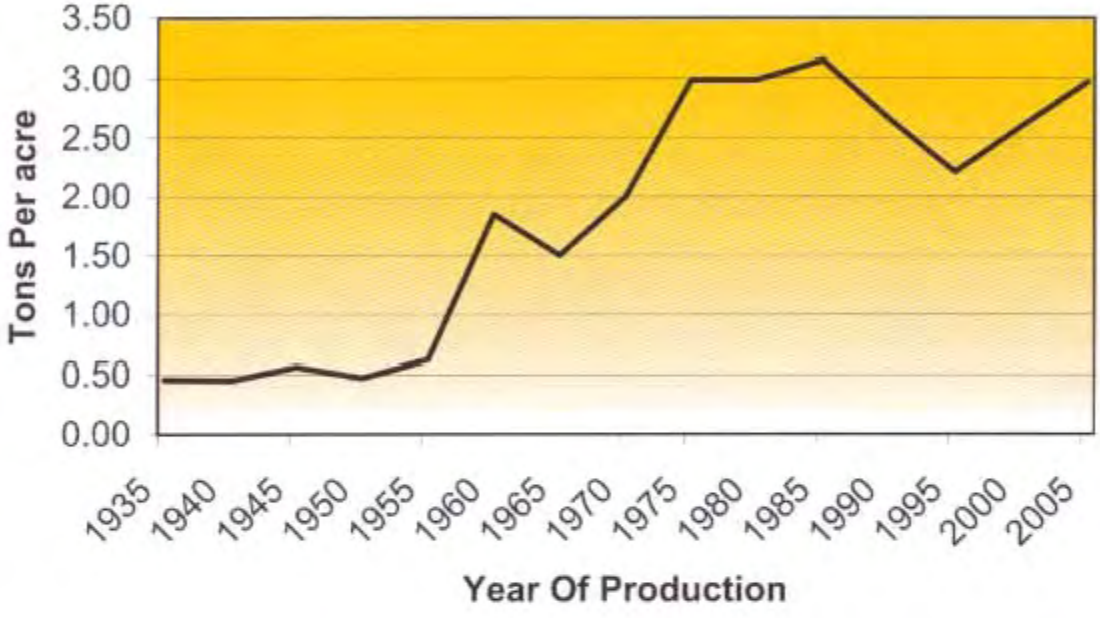
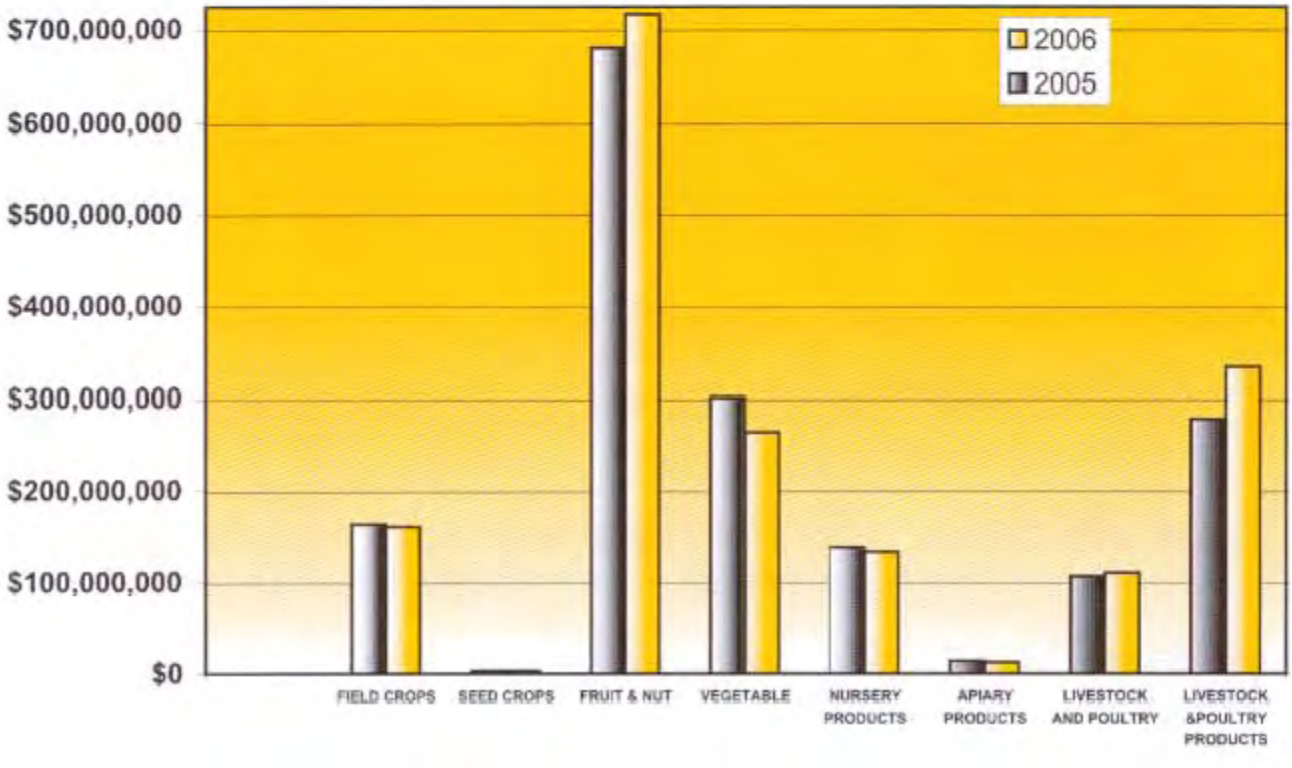
SOME INTERESTING WHEAT FACTS

- Wheat is being harvested somewhere in the world every month of the year.
- Wheat is well adapted to harsh environments and is mostly grown in wind–swept areas too dry and too cold for rice and corn.
- A single wheat seed is called a kernel. There are about fifty kernels in a head of wheat, and there are 15,000 to 17,000 kernels of wheat in a pound.
- A bushel of wheat weighs 60 pounds and yields about 42 pounds of white flour or enough flour for 73 one-pound loaves of white bread.
- The state of California consumes over 118 million bushels of wheat per year.
- Wheat flour is an ingredient in many brands of licorice.
- There is approximately 5 cents worth of wheat in each loaf of bread sold.
- Durum wheat is used to make pasta because of its hard nature, which produces a firm cooked product.
- California exports up to 300,000 metric tons of wheat annually. Destinations for California wheat include Bangladesh, Bolivia, Ecuador, Indonesia, Italy, and Peru.
- January is national Wheat Bread Month.
- Wheat is the only grain with sufficient gluten content to make a raised or leavened loaf of bread.
- Cyrus McCormick invented the mechanical reaper in 1831 allowing growers to harvest 8 acres a day compared to 2 acres by hand.
- The 1970 Nobel Peace Prize was awarded to Norman Borlaug for developing high-yielding wheat varieties.

HISTORICAL TONS PER ACRE OF WHEAT

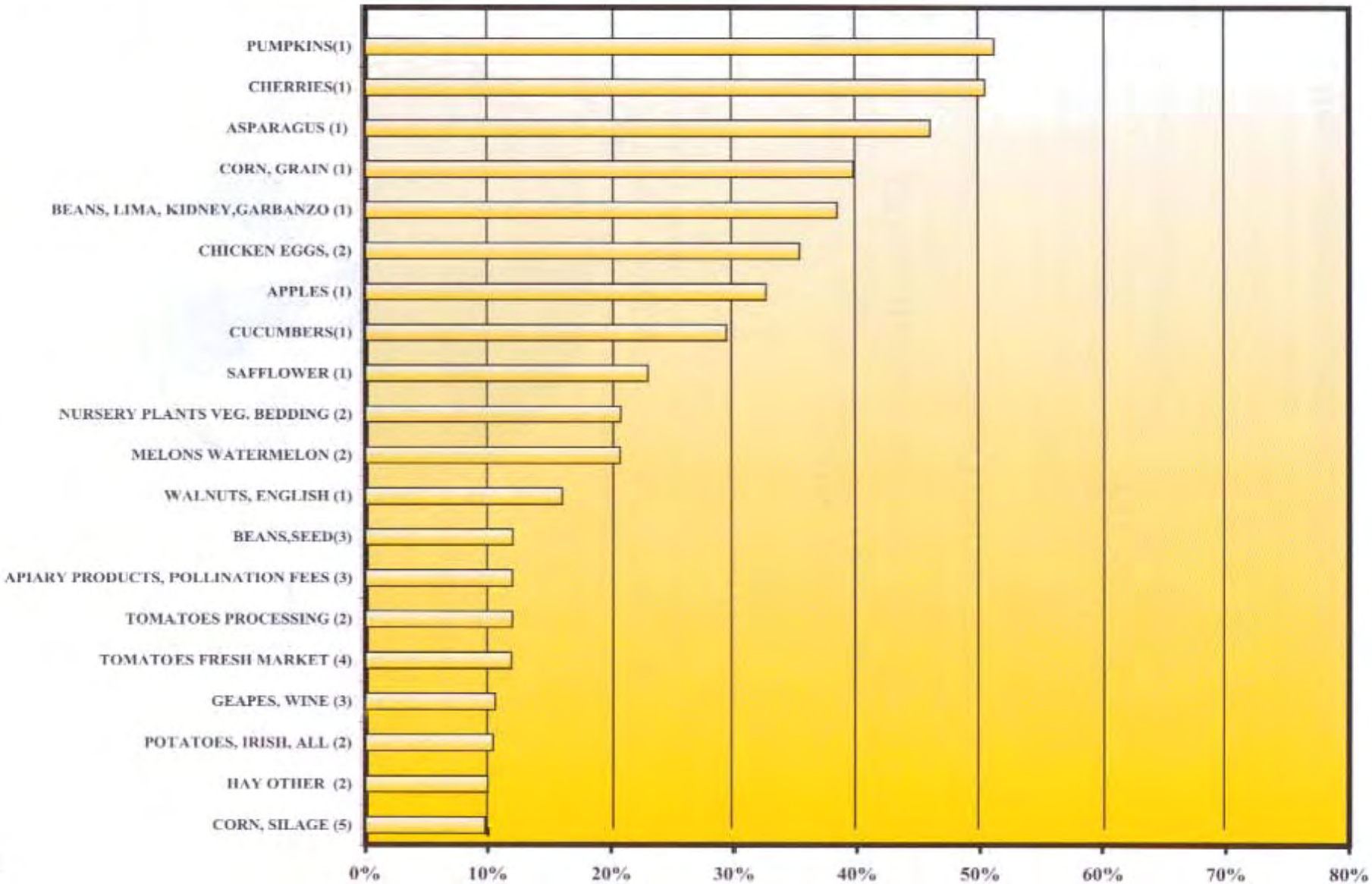


2005 VS. 2006 VALUES BY CATEGORY



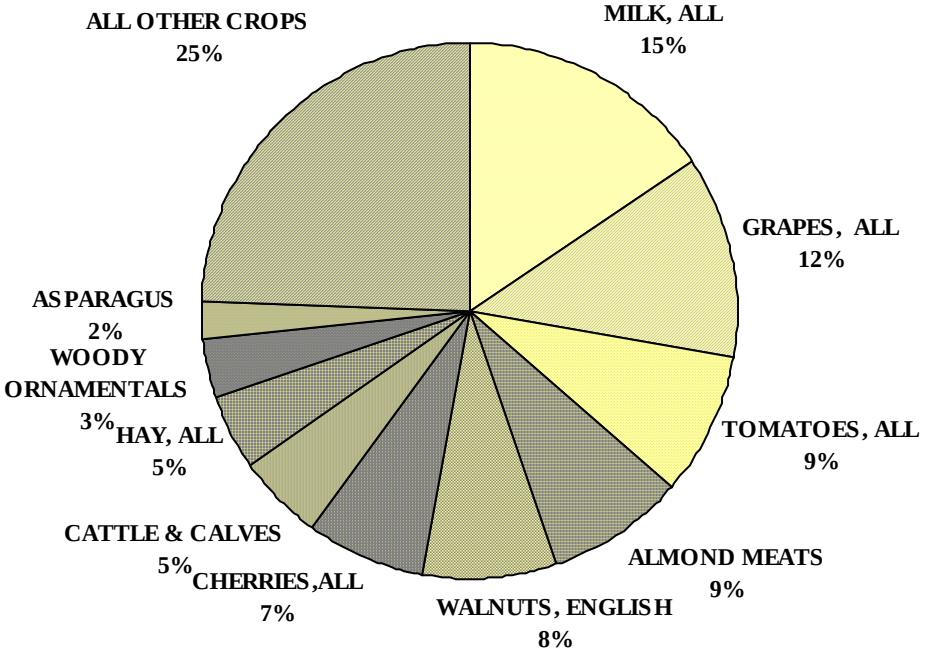
SAN JOAQUIN COUNTY'S SHARE OF STATEWIDE PRODUCTION

Listed below are the crops in which San Joaquin County ranked in the top 5 in the State based on gross value during the 2005 crop year. The bars represent San Joaquin County's percentage of the state value for that crop. The numbers in parentheses next to the crop labels show San Joaquin County's ranking for that crop.



SAN JOAQUIN COUNTY'S
TOP TEN LEADING CROPS FOR 2006

MILK, ALL	$261,030,000
GRAPES, ALL	$205,000,000
TOMATOES, ALL	$146,330,000
ALMOND MEATS	$143,440,000
WALNUTS, ENGLISH	$133,539,000
CHERRIES	$121,375,000
CATTLE AND CALVES	$87,363,000
HAY, ALL	$76,790,000
NURSERY, WOODY ORNAMENTALS	$58,952,000
ASPARAGUS	$41,055,000
ALL OTHER CROPS	$409,976,000



Sustainable Agriculture

Sustainable agriculture is many things to many people. The following are some of the practices used by growers and others in San Joaquin County to further the goals of increasing agriculture's sustainable nature:

Locally Grown -
The Select San Joaquin program encourages consumer awareness of where their food is produced through community outreach activities and point of sale displays. The Agriculture Commissioner issues nearly 100 Certified Producer Certificates for our growers to sell their commodities directly to the consumer.

Environmentally Friendly-
Lodi Rules is an award-winning program hosted by the Lodi-Woodbridge Winegrape Commission that uses a third party certification system to ensure that participants limit pesticide use and practice environmentally "soft" practices. Also, San Joaquin County supports nineteen registered organic growers producing twenty crops.

Preventing Pests -
An average of 125 rated pests are found each year on incoming shipments through various pathways by county biologists. Among these have been West Indian Fruit Fly, Glassy-winged Sharpshooter and dozens of others. Infested shipments are destroyed or returned. Keeping out exotic pests reduces spraying of pesticides and helps to maintain our ecological balance.

Beneficial Organisms-
Growers have erected over 1000 nest boxes in our county to attract barn owls to their orchards and vineyards, helping to keep rodent populations in check. Additionally, thirty "good bugs" have been established by the department of agriculture to control pest insects and invasive weeds.

Educational-
Several "you pick" establishments cater to school children and adults, keeping them in touch with hands-on knowledge of how things grow. Corn mazes and pumpkin patches draw visitors to farms and the Lodi Wine Trail guides connoisseurs through vineyards to sample our county’s bounty. These activities showcase agriculture and remind people of the quality of life enhancements farming brings to a community.

San Joaquin County Trading Partners 2006

ALGERIA
ARGENTINA
AUSTRALIA
AUSTRIA
BAHRAIN
BELGIUM
BRAZIL
BULGARIA
CANADA
CHILE
COLOMBIA
COSTA RICA
CYPRUS
DENMARK
DOMINICAN REPUBLIC
EAST TIMOR
ECUADOR
EGYPT
EL SALVADOR
FRANCE
FRENCH POLYNESIA
GERMANY
GREECE
GUATEMALA
HAITI
HONDURAS
HONG KONG
INDIA
INDONESIA
IRAN
ISRAEL
ITALY
JAMAICA
JAPAN
JORDAN
KUWAIT
LATVIA
LEBANON
LESOTHO
MALAYSIA
MEXICO
MOROCCO
NETHERLANDS
NEW ZEALAND
NICARAGUA
NORWAY
PAKISTAN
PANAMA
PEOPLE'S REPUBLIC OF CHINA
PERU
PHILIPPINES
POLAND
PORTUGAL
REPUBLIC OF KOREA
REPUBLIC OF SOUTH AFRICA
RUSSIAN FEDERATION
SAUDI ARABIA
SINGAPORE
SPAIN
SWEDEN
SWITZERLAND
SYRIA
TAIWAN
THAILAND
TURKEY
TUNSIA
UNITED ARAB EMIRATES
UNITED KINGDOM
VENEZUELA
VIETNAM

General San Joaquin County Information

County Seat:	Stockton
County Population (2004):	649,900
Population Per Square Mile:	450
Incorporated Cities (7):	
Escalon, Lathrop, Lodi, Manteca, Ripon, Stockton, Tracy	
Land Area (Square Miles):	1400
Land Area in Farms (Acres-2002):	812,629
Total Cropland (Acres-2002):	574,752
Irrigated Cropland (Acres- 2002):	520,172
Number of Farms (2002):	4,026
Average Size of Farms (Acres-2002):	202
Agricultural Work Force (Monthly Average-2002):	16,800
Season High (June):	28,400
Season Low (December):	11,000
Lowest Elevation in County (Delta Area):	12' Below Sea Level
Highest Elevation in County (Southwest Hills):	3065' Above Sea Level
Length of County (North to South):	75 Miles
Length of county (East to West):	65 Miles
Average January Temperature (F)	53
Average July Temperature (F)	93
Average Annual Rainfall:	

North County:	16 Inches	South County:	14 Inches
East County:	12 Inches	West County:	9 Inches

A SPECIAL "THANK YOU"

The San Joaquin County Agricultural Commissioner's Office expresses its appreciation to the

San Joaquin Farm Bureau Federation **and** American AgCredit ACA

for their contributions to the 2006 Crop Report. We would also like to thank the San Joaquin County Cooperative Extension for their assistance. Without their support the publication of this report would not be possible.

Front cover photo courtesy of Baglietto Seed.

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Select
San
Joaquin