2011 Agricultural Report
SAN JOAQUIN COUNTY

San Joaquin County's Delta, a Region of Agricultural Abundance

San Joaquin County's Delta Region

The Sacramento-San Joaquin Delta is a place with rich agricultural, natural, cultural, and recreational resources that are both unique and irreplaceable. Sculptured by over 1,100 miles of levees, the Delta's numerous islands abound with a wide variety of fruitful crops. Fertile peat and mineral soils, an abundant water supply, and a climate featuring warm days and evenings cooled by "delta breezes," produce one of the world's most highly productive agricultural regions. With five major rivers flowing through the Delta, the region also serves as an infrastructure hub for the state's water system and, as a result, often finds itself at the center of California's water controversy.

Before California's gold rush, the Delta was composed of a variety of wetlands, riparian forest, scrub, grasslands, and floodplains, all contained within an intricate network of waterways. In the late 19th and early 20th centuries, encouraged by state and federal legislation, most of the Delta was drained and leveed for agriculture on fertile peat soils. This transformation was largely completed by the late 1920s.

Among the counties in the Delta, San Joaquin County has the largest share of the Delta at 43%. Located on the west side of the County, the Delta comprises over a third of San Joaquin County's total land mass. Agriculture is the dominant land use, comprising two-thirds of the region's landscape. In the County's Delta region, there are nearly 215,000 acres of farmland producing a total farm gate value of over $558,000,000.

Farm gate sales do not measure the total economic impact of agriculture on state and local economies. To measure agriculture's full economic impact, economists account for the ripple effect of agricultural production throughout the economy, including shipping, processing, packaging, and value added products. Considering the ripple effect, agriculture in San Joaquin County's Delta region annually contributes approximately $3.4 billion to California's economy and is responsible for over 15,000 jobs state-wide.

For years the Delta has been the center of California's water debate and a focus of environmental concerns. However, in recent times the public debate over the Delta has reached a crescendo. With water in limited supply and growing scarcer, Delta water quality and reliability are key issues. How water is conveyed around or through the Delta and the water quality left behind is core to the Delta water debate. Discussions regarding future ecosystem restoration in the Delta could dramatically change its landscape which is now predominately agricultural. Finally, answers to the "who, what, when, where, why and how" of levee maintenance in the Delta are critical to fixing this aging infrastructure.

In various ways, the public policy outcomes to each of these complex issues will greatly impact Delta's agriculture. This leaves the future of agriculture in the Delta at a crossroads. Considering Delta's agricultural significance to local and state economies, it is vital that, when the dust settles on the Delta debate, agriculture remains strong, vibrant, and continuing down the road of prosperity.

SAN JOAQUIN COUNTY
AGRICULTURAL COMMISSIONER'S OFFICE

2011 ANNUAL CROP REPORT

Scott Hudson
Agricultural Commissioner/Sealer

Compiled by
Rick Schwieger

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Share Hawkins	Accounting Technician I
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Terry King	Accounting Technician II
Laura Rocha	Senior Office Assistant, Simms Station

All staff are based in Stockton unless otherwise noted.

SAN JOAQUIN COUNTY

OFFICE OF THE

AGRICULTURAL COMMISSIONER

MAIN OFFICE
2101 E. EARHART AVENUE, Suite 100
STOCKTON, CALIFORNIA 95206-3924
PHONE: (209) 953-6000 FAX: (209) 953-6022

SCOTT HUDSON
AGRICULTURAL COMMISSIONER
SEALER OF WEIGHTS AND MEASURES

GARY STOCKEL
ASST. AGRICULTURAL COMMISSIONER
ASST. SEALER OF WEIGHTS AND MEASURES

LODI OFFICE
210 N. SACRAMENTO ST.
(209) 331-7287

SIMMS STATION - RIPON
17620 E. HWY 120
(209) 838-2276

MS. KAREN ROSS, 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 Agricultural Code, I am pleased to present the seventy-eighth annual report of agricultural production in San Joaquin County.

The gross value of agricultural production for 2011 is estimated at an all-time high of $2,238,688,000. This is an increase of 14.2% from the 2010 estimated production value of $1,960,086,000. The following are the 2011 values for each crop category, as well as, the percentage change over the 2010 values:

- Field Crops: $307,236,000 (+47.2%)
- Vegetable Crops: $295,438,000 (+15.3 %)
- Fruit & Nut Crops: $956,402,000 (+2.3%)
- Nursery Products: $77,370,000 (+0.5%)
- Livestock & Poultry: $112,133,000 (+18.0%)
- Livestock & Poultry Products: $471,239,000 (+27.7%)
- Apiary Products: $13,801,000 (+3.4%)
- Seed Crops: $5,069,000 (-10.5%)

In 2011, a cold, wet spring adversely affected production in many of the County's crops. Rains during the first week of June severely damaged the County's cherry crop resulting in a 68% crop loss. Fortunately, most crops did not suffer this degree of production loss. Prices increased for many commodities and, in some cases, were able to overcome decreases in production.

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 returns to the grower.

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

Respectfully submitted

Scott Hudson
Agricultural Commissioner/Sealer

FIELD CROPS

Corn, alfalfa, wheat and safflower crops enjoyed significant increases in price, greatly adding to the value of the Field Crops

		PRODUCTION				GROSS VALUE		
CROP	YEAR	ACRES HARVESTED	YIELD	TOTAL	UNIT	VALUE PER UNIT	SUBTOTAL	TOTAL
BEANS, DRY, ALL	2011	4,000	1.16	4,630	TON	$998.00		$4,622,000
	2010	4,800	0.57	6,100	TON	$854.00		$5,234,000
LIMA	2011	2,800	1.20	3,360	TON	$1,003.00	$3,370,000	
	2010	3,300	1.28	4,220	TON	$891.00	$3,711,000	
BEANS, OTHER*	2011	1,220	1.04	1,270	TON	$1,000.00	$1,252,000	
	2010	1,590	1.01	1,970	TON	$780.00	$1,523,000	
CORN, GRAIN	2011	63,000	5.20	328,000	TON	$206.00		$67,568,000
	2010	46,200	5.28	244,000	TON	$175.00		$42,700,000
HAY, ALL	2011	62,700	5.69	357,000	TON	$251.00		$89,577,000
	2010	89,700	5.66	508,000	TON	$118.00		$59,750,000
ALFALFA	2011	53,400	6.24	333,000	TON	$255.00	$84,915,000	
	2010	59,800	6.50	389,000	TON	$133.00	$51,737,000	
OTHER	2011	9,300	3.08	28,600	TON	$163.00	$4,662,000	
	2010	29,900	4.00	119,600	TON	$67.00	$8,013,000	
PASTURE & RANGE	2011	134,500			ACRE	$45.00		$5,993,000
	2010	134,500			ACRE	$45.00		$5,993,000
IRRIGATED	2011	14,500			ACRE	$165.00	$2,393,000	
	2010	14,500			ACRE	$165.00	$2,393,000	
OTHER	2011	120,000			ACRE	$30.00	$3,600,000	
	2010	120,000			ACRE	$30.00	$3,600,000	
RICE	2011	5,410	3.99	21,600	TON	$363.00		$7,841,000
	2010	7,170	3.55	22,600	TON	$340.00		$7,684,000
SAFFLOWER	2011	7,165	2.00	14,330	TON	$500.00		$7,165,000
	2010	4,880	1.50	7,320	TON	$320.00		$2,342,000
SILAGE, CORN	2011	45,100	31.61	1,426,000	TON	$44.00		$62,744,000
	2010	57,100	29.25	1,670,000	TON	$29.00		$48,430,000
SILAGE, OTHER INCLUDES GREEN CHOP	2011	91,600	6.54	599,000	TON	$34.00		$20,366,000
	2010	73,900	6.16	455,000	TON	$25.00		$11,375,000
WHEAT	2011	37,500	2.90	108,700	TON	$206.00		$22,385,000
	2010	29,600	3.34	99,100	TON	$167.00		$16,509,000
OTHER	2011	80,600						$18,975,000
	2010	94,100						$8,712,000
TOTAL	2011	532,000						$307,236,000
	2010	546,000						$208,729,000

NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING

*BEANS OTHER WILL NOW INCLUDE BLACKEYE, KIDNEY, GARBANZO, AND ALL OTHER BEANS NOT LISTED

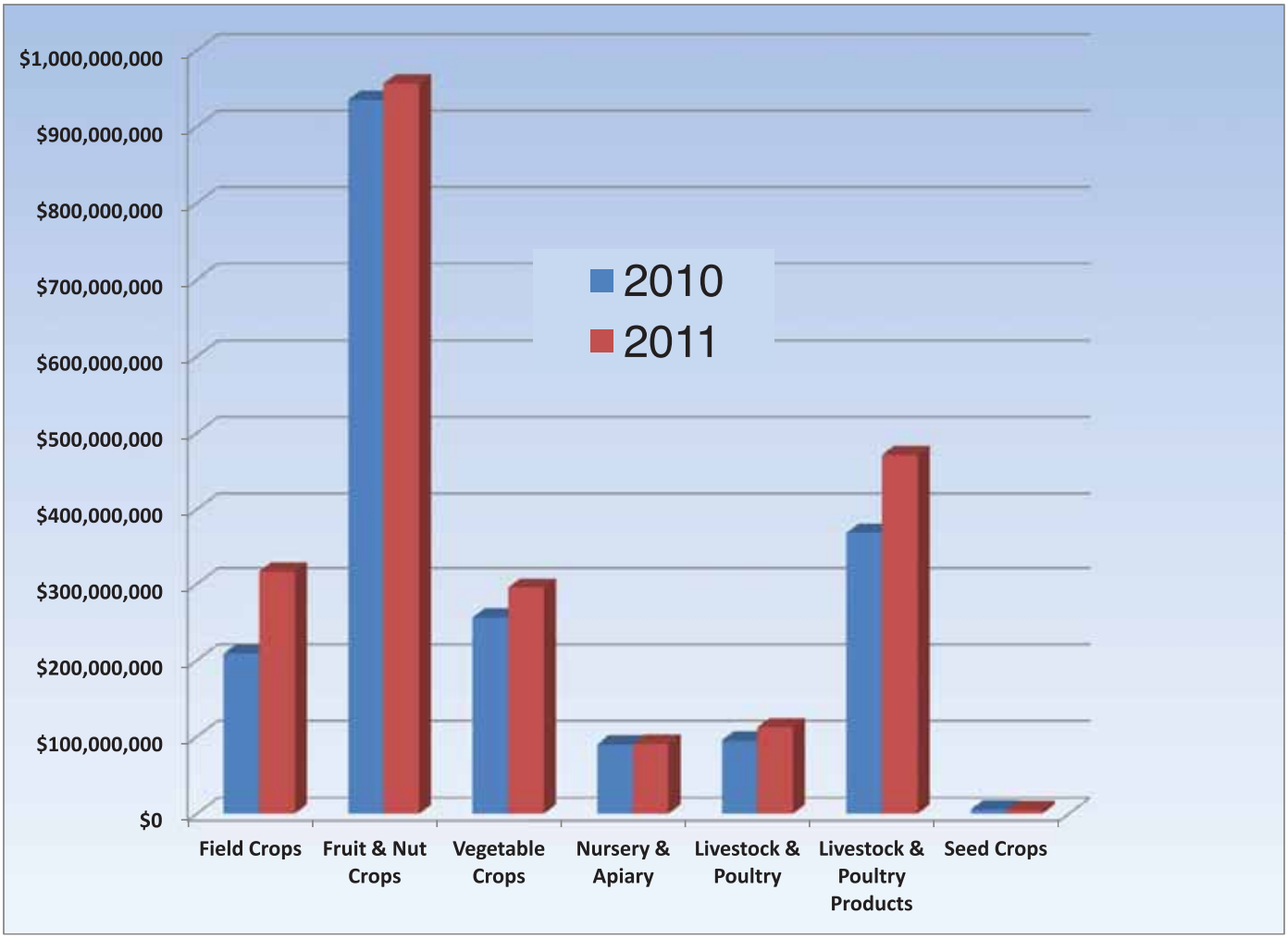
SEED CROPS

In 2011, seed production in the County declined sharply

CROP	YEAR	PRODUCTION ACRES HARVESTED	YIELD	TOTAL	UNIT	GROSS VALUE VALUE PER UNIT	TOTAL
BEANS, OTHER	2011	44	23.00	1,000	CWT	$55.00	$55,000
	2010	325	18.71	6,081	CWT	$46.00	$280,000
MISCELLANEOUS	2011	514					$5,014,000
	2010	724					$5,384,000
TOTAL	2011	558					$5,069,000
	2010	1,050					$5,664,000

NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING
KIDNEY BEANS INCLUDED IN BEANS ALL
VEGETABLES SEEDS INCLUDED IN MISCELLANEOUS

COMPARISON OF VALUES FOR EACH CROP COMMODITY



FRUIT AND NUT CROPS

Almond acreage, yield, and price, increased in 2011 resulting in a 17% increase in value

CROP	YEAR	ACRES HARVESTED	PRODUCTION YIELD	PRODUCTION TOTAL	UNIT	VALUE PER UNIT	GROSS VALUE SUBTOTAL	GROSS VALUE TOTAL
ALMOND, MEATS	2011	48,800	1.03	50,200	TON	$3,740.00		$187,748,000
	2010	48,200	0.92	44,300	TON	$3,540.00		$156,822,000
ALMOND, HULLS	2011			113,000	TON	$124.00		$14,012,000
	2010			99,700	TON	$71.00		$7,079,000
APPLES, ALL	2011	3,670	23.49	86,200	TON	$496.00		$51,390,000
	2010	3,100	28.56	89,000	TON	$589.00		$52,111,000
FRESH	2011			62,390	TON	$665.00	$41,489,000	
	2010			59,000	TON	$706.00	$41,689,000	
PROCESSING	2011			23,800	TON	$416.00	$9,901,000	
	2010			30,000	TON	$353.00	$10,422,000	
APRICOTS	2011	694	12.00	8,300	TON	$450.00		$3,735,000
	2010	779	9.56	7,400	TON	$378.00		$2,797,000
BLUEBERRIES	2011	1,190	4.35	5,160	TON	$4,671.00		$24,102,000
	2010	1,350	4.74	6,400	TON	$3,700.00		$23,659,000
CHERRIES, ALL	2011	19,500	1.43	28,000	TON	$3,185.00		$89,175,000
	2010	21,200	2.71	57,000	TON	$3,212.00		$184,544,000
FRESH	2011			21,000	TON	$4,111.00	$86,331,000	
	2010			46,200	TON	$3,880.00	$179,256,000	
PROCESSING	2011			7,040	TON	$404.00	$2,844,000	
	2010			9,360	TON	$565.00	$5,288,000	
GRAPES, ALL	2011	93,300	5.61	523,000	TON	$548.00		$286,728,000
	2010	95,900	5.69	546,000	TON	$456.00		$248,987,000
TABLE, CRUSHED	2011	280	5.00	1,400	TON	$229.00	$321,000	
	2010	240	6.58	1,580	TON	$203.00	$321,000	
WINE, ALL	2011	93,100	5.61	522,000	TON	$549.00	$286,407,000	
	2010	95,600	5.69	544,000	TON	$457.00	$248,666,000	
FRESH	2011			4,410	TON	$300.00	$1,323,000	
	2010			4,310	TON	$289.00	$1,246,000	
CRUSHED	2011			518,000	TON	$551.00	$285,418,000	
	2010			540,000	TON	$458.00	$247,320,000	
OLIVES, PROCESSING	2011	4,160	3.54	15,000	TON	$532.00		$7,980,000
	2010	4,060	2.92	12,000	TON	$582.00		$6,896,000
PEACHES, ALL	2011	1,940	22.37	43,400	TON	$268.00		$11,623,000
	2010	2,140	23.34	49,000	TON	$275.00		$13,751,000
CLINGSTONE	2011	780	16.60	12,900	TON	$291.00	$3,754,000	
	2010	960	18.50	17,800	TON	$285.00	$5,073,000	
FREESTONE	2011	1,160	26.33	30,500	TON	$258.00	$7,869,000	
	2010	1,180	27.24	32,100	TON	$270.00	$8,678,000	

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FRUIT AND NUT CROPS

Almond acreage, yield, and price, increased in 2011 resulting in a 17% increase in value

		PRODUCTION				GROSS VALUE		
CROP	YEAR	ACRES HARVESTED	YIELD	TOTAL	UNIT	VALUE PER UNIT	SUBTOTAL	TOTAL
PEARS	2011	325	10.00	3,300	TON	$351.00		$1,158,000
	2010	448	22.00	9,900	TON	$268.00		$2,642,000
WALNUTS, ENGLISH	2011	53,000	2.07	109,700	TON	$2,542.00		$278,857,000
	2010	55,400	2.00	110,700	TON	$1,872.00		$207,230,000
MISCELLANEOUS	2011	1,030						$6,240,000
	2010	820						$27,398,000
BIOMASS	2011							$1,654,000
	2010							$1,239,000
TOTAL	2011	222,000						$956,422,000
	2010	228,000						$935,155,000

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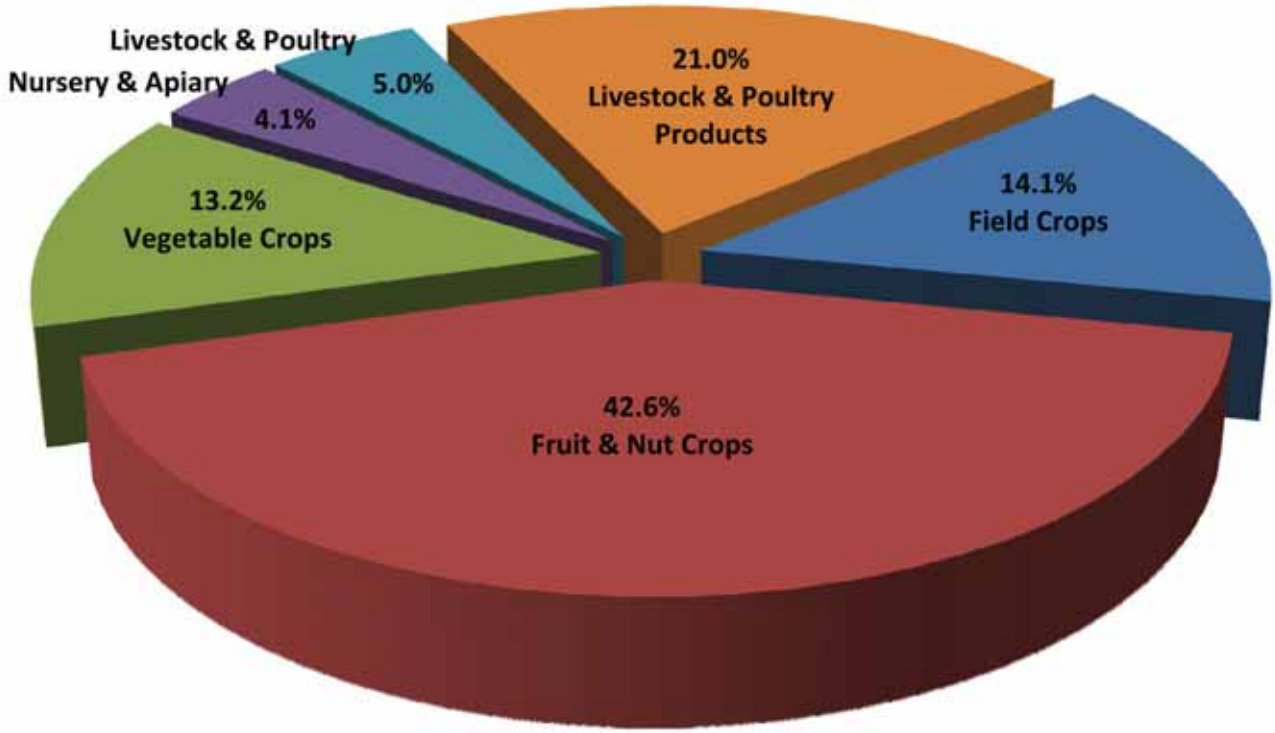
PERCENTAGE OF EACH CATEGORY TO TOTAL



VEGETABLE CROPS

For 2011, onion and potato acreage and yields were up. Watermelon yields and price also increased.

CROP	YEAR	PRODUCTION ACRES HARVESTED	YIELD	TOTAL	UNIT	GROSS VALUE VALUE (PER UNIT)	SUBTOTAL	TOTAL
ASPARAGUS	2011	6,400	1.68	10,800	TON	$2,930.00		$31,644,000
	2010	6,600	1.59	10,500	TON	$2,640.00		$27,720,000
CORN, SWEET	2011	4,890	7.70	37,700	TON	$501.00		$18,888,000
	2010	4,900	8.09	39,600	TON	$373.00		$14,777,000
CUCUMBERS	2011	2,390	8.30	19,900	TON	$183.00		$3,642,000
	2010	1,910	9.00	17,200	TON	$210.00		$3,612,000
MELONS, ALL	2011	2,110	41.23	87,000	TON	$275.00		$23,931,000
	2010	2,240	30.89	69,200	TON	$231.00		$16,008,000
WATERMELON	2011	2,080	41.50	86,300	TON	$275.00	$23,733,000	
	2010	2,200	31.00	68,200	TON	$230.00	$15,686,000	
OTHER	2011	30	22.00	660	TON	$300.00	$198,000	
	2010	40	24.50	980	TON	$329.00	$322,000	
ONIONS, DRY	2011	2,880	25.24	72,700	TON	$210.00		$15,267,000
	2010	2,000	18.00	36,000	TON	$360.00		$12,974,000
PEPPERS	2011	1,630	24.00	39,100	TON	$400.00		$15,640,000
	2010	1,970	15.45	30,400	TON	$400.00		$12,160,000
POTATOES	2011	3,200	19.10	61,700	TON	$780.00		$48,126,000
	2010	2,600	15.00	39,000	TON	$600.00		$23,400,000
PUMPKINS	2011	3,280	18.00	59,000	TON	$320.00		$18,880,000
	2010	4,350	17.50	76,100	TON	$300.00		$22,830,000
TOMATOES, ALL	2011	32,300	36.25	1,171,000	TON	$92.00		$107,844,000
	2010	34,800	35.40	1,232,000	TON	$94.00		$115,712,000
SHIPPING	2011	4,960	13.12	65,000	TON	$400.00	$26,000,000	
	2010	5,290	16.19	86,000	TON	$466.00	$40,076,000	
PROCESSING	2011	27,300	40.51	1,106,000	TON	$74.00	$81,844,000	
	2010	29,500	38.84	1,146,000	TON	$66.00	$75,636,000	
MISCELLANEOUS VEGETABLES	2011	3,580						$11,576,000
	2010	2,530						$7,068,000
TOTAL	2011	62,700						$295,438,000
	2010	63,900						$256,261,000

NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING

NURSERY AND APIARY PRODUCTS

Nursery industry values increased despite continued slow growth in the housing market and the economy.

NURSERY PRODUCTS

ITEM	YEAR	QUANTITY SOLD	UNIT	GROSS VALUE TOTAL
GRAPEVINES, STRAWBERRY PLANTS, FRUIT & NUT TREES	2011	99,812,000	PLANT	$11,714,000
	2010	63,726,000	PLANT	$5,810,000
VEGETABLE PLANTS	2011	400,294,000	PLANT	$13,955,000
	2010	385,843,000	PLANT	$16,058,000
FLOWERING POTTED PLANTS	2011	598,000	EACH	$2,840,000
	2010	460,000	EACH	$1,344,000
FOLIAGE PLANTS	2011	704,000	EACH	$3,129,000
	2010	1,130,000	EACH	$4,690,000
BEDDING PLANTS	2011	230,669,000	PLANT	$11,418,000
	2010	220,821,000	PLANT	$13,471,000
WOODY ORNAMENTALS	2011	6,281,000	EACH	$22,669,000
	2010	5,768,000	EACH	$22,981,000
BULBS, RHIZOMES, TURF, CACTUS, CHRISTMAS TREES, ETC.	2011			$11,645,000
	2010			$12,597,000
TOTAL	2011			$77,370,000
	2010			$76,951,000

NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING

APIARY PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	GROSS VALUE PER UNIT	GROSS VALUE TOTAL
HONEY*	2011	108,000	LBS	$1.56	$168,000
	2010	121,000	LBS	$1.80	$217,000
POLLINATION	2011	114,300	HIVE	$109.00	$12,415,000
	2010	128,000	HIVE	$92.00	$11,739,000
OTHER APIARY*	2011				$1,218,000
	2010				$1,393,000
TOTAL	2011				$13,801,000
	2010				$13,349,000

NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING
* OTHER APIARY INCLUDES POLLEN, BEES, QUEENS, NUCLEUS COLONIES & BEESWAX

LIVESTOCK AND POULTRY

Increases in cattle numbers and price accompanied with increases in price for sheep and lambs contributed to an 18% increase in livestock values

ITEM	YEAR	NO. HEAD	LIVE WEIGHT	UNIT	GROSS VALUE PER UNIT	GROSS VALUE TOTAL
CATTLE & CALVES	2011	119,700	827,000	CWT	$86.00	$71,479,000
	2010	106,000	815,000	CWT	$74.00	$60,165,000
SHEEP & LAMBS	2011	13,900	18,000	CWT	$185.00	$3,333,000
	2010	14,900	19,000	CWT	$111.00	$2,113,000
BROILERS	2011	1,718,000	9,964,400	LBS	$0.64	3,624,000
	2010	2,418,000	13,347,400	LBS	$0.66	$8,454,000
TURKEYS	2011	558,000	19,579,000	LBS	$0.83	$16,325,000
	2010	424,000	14,217,000	LBS	$0.83	$11,854,000
OTHER LIVESTOCK**	2011					$17,372,000
	2010					$12,423,000
TOTAL	2011					$112,133,000
	2010					$95,010,000

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

LIVESTOCK AND POULTRY PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	GROSS VALUE PER UNIT	GROSS VALUE SUBTOTAL	GROSS VALUE TOTAL
MILK, ALL	2011	24,461,000	CWT	$19.00		$452,880,000
	2010	23,169,000	CWT	$15.00		$341,366,000
MARKET	2011	23,749,000	CWT	$19.00	$439,603,000	
	2010	20,922,000	CWT	$15.00	$308,389,000	
MANUFACTURING	2011	711,000	CWT	$19.00	$13,509,000	
	2010	2,247,000	CWT	$15.00	$33,705,000	
WOOL	2011	32,000	LBS	$1.75		$57,000
	2010	74,000	LBS	$1.32		$98,000
EGGS, CHICKEN	2011	19,380,000	DOZ	$0.82		$15,848,000
	2010	37,462,000	DOZ	$0.72		$27,005,000
MANURE	2011	491,000	TON	$7.68		$2,454,000
	2010	494,000	TON	$1.08		$534,000
TOTAL	2011					$471,239,000
	2010					$369,003,000

NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING

Delta Facts
San Joaquin County

- Today, nearly two-thirds of the state's population (approximately 25 million people) depend on water conveyed through the Delta for some portion of their water supply, as does more than 2 million acres of irrigated farmland that grow crops for in-state, national, and international distribution.

- Much of California's agriculture depends on water from the Delta watershed; one-sixth of all irrigated lands in the nation are in this watershed, including the southern San Joaquin Valley.

- Rivers flowing into the Delta are the Sacramento, San Joaquin, Mokelumne, Cosumnes, and Calaveras rivers.

- In 1992 California's Delta Protection Act was passed. The act established the Delta Protection Commission, a state entity to plan for and guide the conservation and enhancement of natural resources, agriculture, and recreation in the Delta. The Act also defines a Primary Zone, which is the Commission's geographic area of jurisdiction. The Primary Zone is largely the agricultural, water, and open space areas in the center of the Legal Delta. The Secondary Zone is an area outside the Primary Zone within the Legal Delta.

- Most of the Delta in the Primary Zone is below sea level, some areas as much as 25 feet below sea level.

- The Bay-Delta is the West Coast's largest estuary, with 57 major reclaimed islands and numerous unleveed channeled islands.

- Over half of the Delta's 1,000 miles of levees are located in San Joaquin County.

- Of the five counties with Delta land, San Joaquin County has the largest portion at 43%. The other counties with Delta land are Sacramento, Solano, Yolo, and Contra Costa counties.

- The San Joaquin County Delta has over 215,000 acres of farmland that produces a farm gate value of nearly $560 million.

- Over 1/3 of San Joaquin County's land mass is in the Delta and produces nearly 25% of the County's $2.2 billion total agricultural value.

San Joaquin County
TOP TEN LEADING CROPS FOR 2011

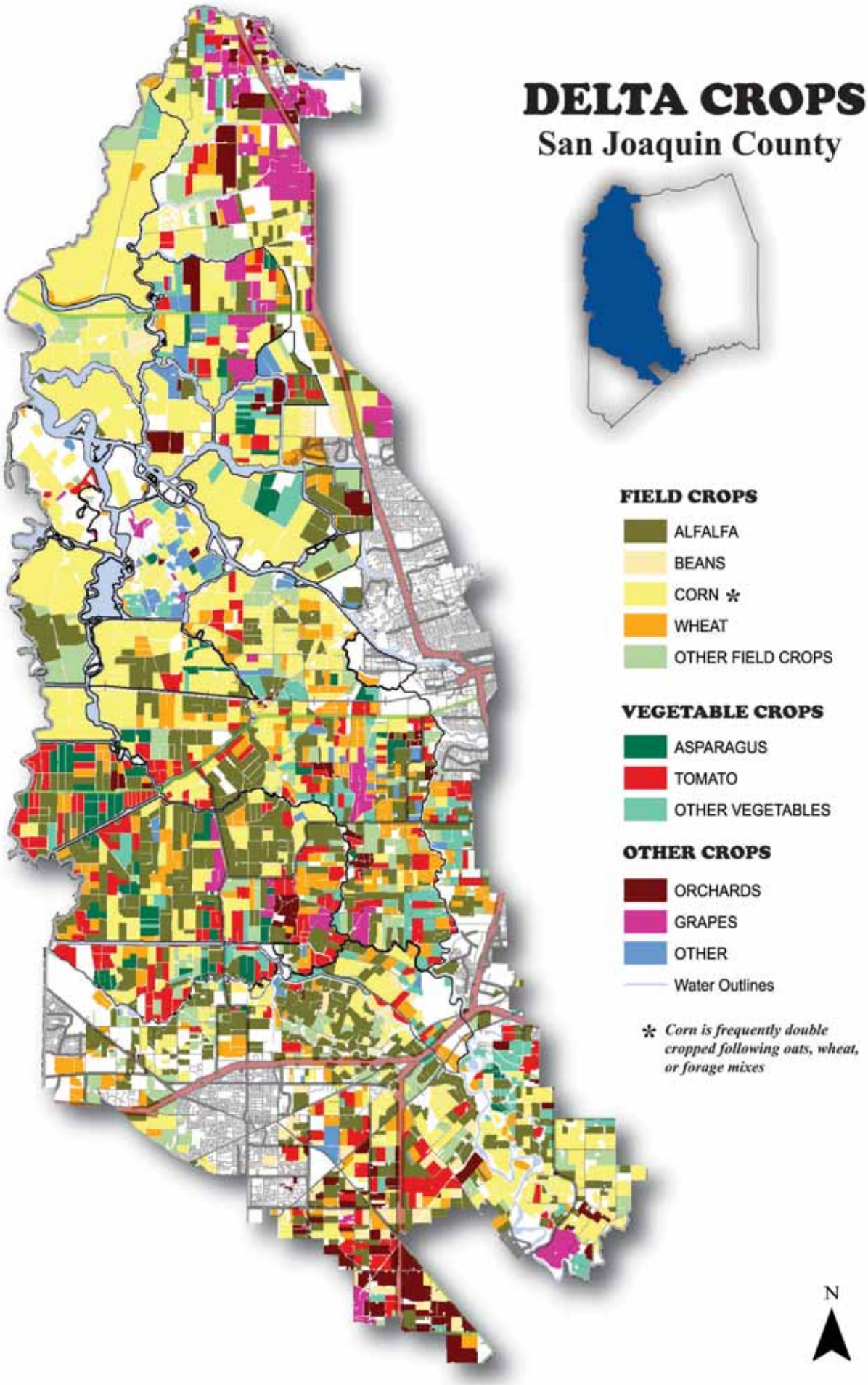
Commodity	Value	Percent of Total Ag Value
1 MILK	$452,880,000	20%
2 GRAPES	$286,728,000	13%
3 WALNUTS	$278,857,000	12%
4 ALMONDS	$187,748,000	8%
5 TOMATOES	$107,844,000	5%
6 CHERRIES	$89,175,000	4%
7 HAY	$89,577,000	4%
8 CATTLE & CALVES	$71,479,000	3%
9 GRAIN CORN	$67,568,000	3%
10 SILAGE CORN	$62,744,000	3%
ALL OTHER CROPS	$553,406,000	25%

DELTA TOP TEN CROPS BY ACRES

CORN	70,100
ALFALFA	42,600
WHEAT	24,400
TOMATO	18,900
GRAPE	10,600
OATS	8,600
SAFFLOWER	6,500
ASPARAGUS	6,300
ALMOND	4,400
BEAN	3,800

DELTA TOP TEN COMMODITIES BY VALUE

MILK	$92,948,000
CORN	$82,429,000
ALFALFA	$67,777,000
TOMATO	$56,741,000
POTATO	$43,830,000
GRAPE	$32,588,000
ASPARAGUS	$30,863,000
BLUEBERRY	$28,609,000
ALMOND	$17,015,000
TURF	$16,720,000


DELTA CROPS
San Joaquin County
FIELD CROPS
ALFALFA
BEANS
CORN *
WHEAT
OTHER FIELD CROPS
VEGETABLE CROPS
ASPARAGUS
TOMATO
OTHER VEGETABLES
OTHER CROPS
ORCHARDS
GRAPES
OTHER
Water Outlines
* Corn is frequently double cropped following oats, wheat, or forage mixes
N

Pest Exclusion / Detection and Sustainable

Preventing the introduction and establishment of invasive pests and diseases is always the best and least costly method of control. The Agricultural Commissioner's Office is tasked with this large responsibility. Thousands of inspections are conducted annually for invasive pests. We also deploy thousands of insect traps throughout the County to detect invasive pests before they can gain a foothold in the County.

Kojak - San Joaquin County's Plant Detector Dog

In October 2010, San Joaquin County became one of eight counties to have a California Dog Team. Kojak, a Black Lab mix, came to San Joaquin County after going through an intense ten week training course at the USDA National Detector Dog Training Center in Newnan, Georgia. Senior Agricultural Biologist Tom Doud completed the training with Kojak and is his assigned handler. Together they work as a team to enhance the County's parcel package inspection and surveillance program.

Kojak and Tom Doud

In this program, Agricultural Biologists inspect incoming packages containing plant material for harmful pests at the County's common carrier facilities (i.e. FedEx, UPS etc.). Using his keen sense of smell, Kojak helps identify marked and unmarked packages containing plant material. Once identified, our trained biologists will inspect the package for harmful pests that could potentially cause millions of dollars in damage to agriculture, urban landscapes, and the environment.

San Joaquin County's Invasive Plant Pest Quarantines in 2011

During 2011, the County experienced a number of plant pest quarantines that seriously impacted agriculture. During the fall of 2011, nearly 1/3 of the County was under one or more plant quarantines. The following provides a brief discussion of these quarantines.

<u>Oriental Fruit Fly</u>

On September 8, 2011, two oriental fruit flies were detected in north Stockton by a pest surveyor from the Agricultural Commissioner's Office. A Federal/State Quarantine was eventually established a few days later after 6 Oriental Fruit Flies (OFF) were trapped in Stockton. The finds triggered the immediate initiation of an intensive detection and eradication program by federal, state, and county plant quarantine officials.

By June 19, 2012, three OFF lifecycles had passed without detection. As a result, OFF was declared eradicated and the quarantine deregulated. From the beginning of the OFF quarantine in September until its end in June, many quarantine detection and enforcement activities occurred that impacted a large number of growers, packers, and residents.

Pest Exclusion & Sustainable Agriculture Continued

During the course of the OFF quarantine over 31,500 OFF traps were inspected by state, federal and county trappers who spent over 6,000 hours checking these traps. Nearly 22,000 pounds of fruit were removed from residential yards located near OFF detection sites. Additionally, over 6,000 pounds of fruit were seized from fruit stand vendors for noncompliance with safeguarding requirements.

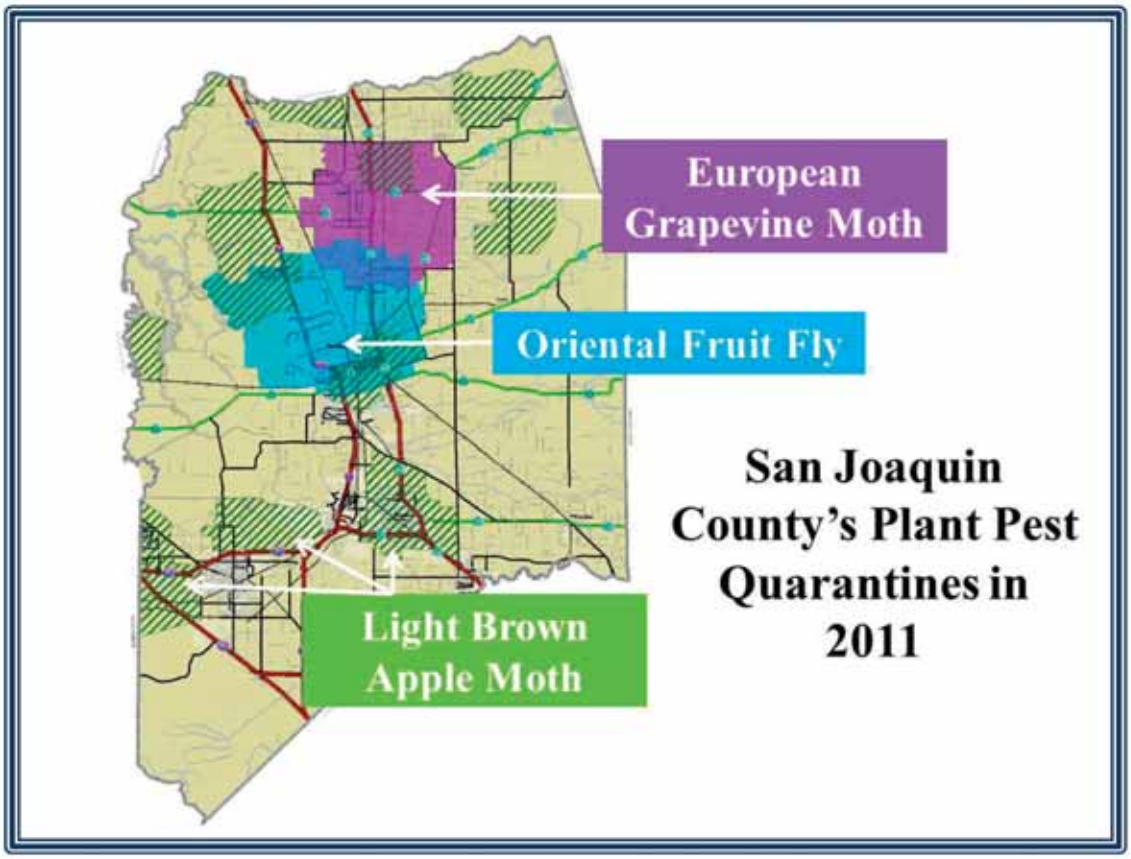
European Grape Vine Moth

In August, 2010, two European grapevine moths (EGVM) were trapped in a vineyard east of Lodi. The discovery of this serious invasive grape pest resulted in a quarantined area encompassing a 5 mile radius around the find and the immediate initiation of an eradication program. During the 2011 EGVM detection season, over 5,000 traps were placed in the County and monitored by 10 trappers every 2 weeks from March through October. EGVM was not detected in 2011. Consequently, EGVM was declared eradicated and the quarantine lifted.

Light Brown Apple Moth

Over the past three years, San Joaquin County has experienced multiple Light Brown Apple

Moth (LBAM) detections that have resulted in a number of quarantined areas in the Tracy, Manteca, and Stockton areas. LBAM is an invasive pest of numerous agricultural crops. In 2011, LBAM was detected in several nurseries in the Lodi area triggering a 1½ mile radius quarantined area around the nursery detection sites. These new quarantined areas in the Lodi region include many acres of vineyards. The County continues to battle LBAM.



SAN JOAQUIN COUNTY TRADING PARTNERS 2011

ALGERIA
ARGENTINA
AUSTRALIA
AUSTRIA
BAHAMAS
BAHRAIN
BELGUIM
BOLIVIA
BRAZIL
BURKINO FASO
CANADA
CHILE
CHINA
COLOMBIA
COSTA RICA
CYPRUS
CZECH REPUBLIC
DENMARK
DOMINICAN REPUBLIC
ECAUDOR
EGYPT
EL SALVADOR
ESTONIA
FINLAND
FRANCE
FRENCH GUIANA
GERMANY
GREECE
GUATEMALA
GUYANA
HAITI
HONDURAS
HONG KONG
INDIA
INDONESIA
IRAQ
ISRAEL
ITALY
JAMAICA
JAPAN
JORDAN
KAZAKHSTAN
KOREA, REPUBLIC OF
KUWAIT
LATVIA
LEBANON
LIBYAN ARAB JAMAHIRIYA
LITHUANIA
MACEDONIA
MALAYSIA
MALTA
MAURITIUS
MEXICO
MOROCCO
NETHERLANDS
NEW ZEALAND
NICARAGUA
NORWAY
PAKISTAN
PANAMA
PARAGUAY
PERU
PHILIPPINES
POLAND
PORTUGAL
QATAR
ROMANIA
RUSSIAN FEDERATION
SAUDI ARABIA
SERBIA
SINGAPORE
SOUTH AFRICA
SPAIN
SRI LANKA
SWEDEN
SWITZERLAND
TAIWAN
THAILAND
TUNISIA
TURKEY
UKRAINE
UNITED ARAB EMIRATES
UNITED KINGDOM
URUGUAY
VENEZUELA
VIETNAM

General San Joaquin County Information

County Seat:	Stockton
County Population (2010 Census):	685,306
Population per Square Mile:	489
Incorporated Cities (7):	
Escalon, Lathrop, Lodi, Manteca, Ripon, Stockton, Tracy	
Land Area (Square Miles):	1,400
Land Area in Farms (Acres-2007):	737,503
Total Cropland (Acres-2007):	492,032
Irrigated Cropland (Acres- 2007):	453,980
Number of Farms (2007):	3,624
Average Size of Farms (Acres-2007):	204
Agricultural Work Force (Monthly Average-2007):	23,037
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)	46
Average July Temperature (F)	76
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 MONEY FOR AGRICULTURE

for their contributions to the 2011 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: San Joaquin County Delta, Highway 4 crossing the San Joaquin River at Union Point.

AGRICULTURAL COMMISSIONER'S OFFICE
SAN JOAQUIN COUNTY
2101 East Earhart Avenue, Suite 100
Stockton, CA 95206

Select San Joaquin