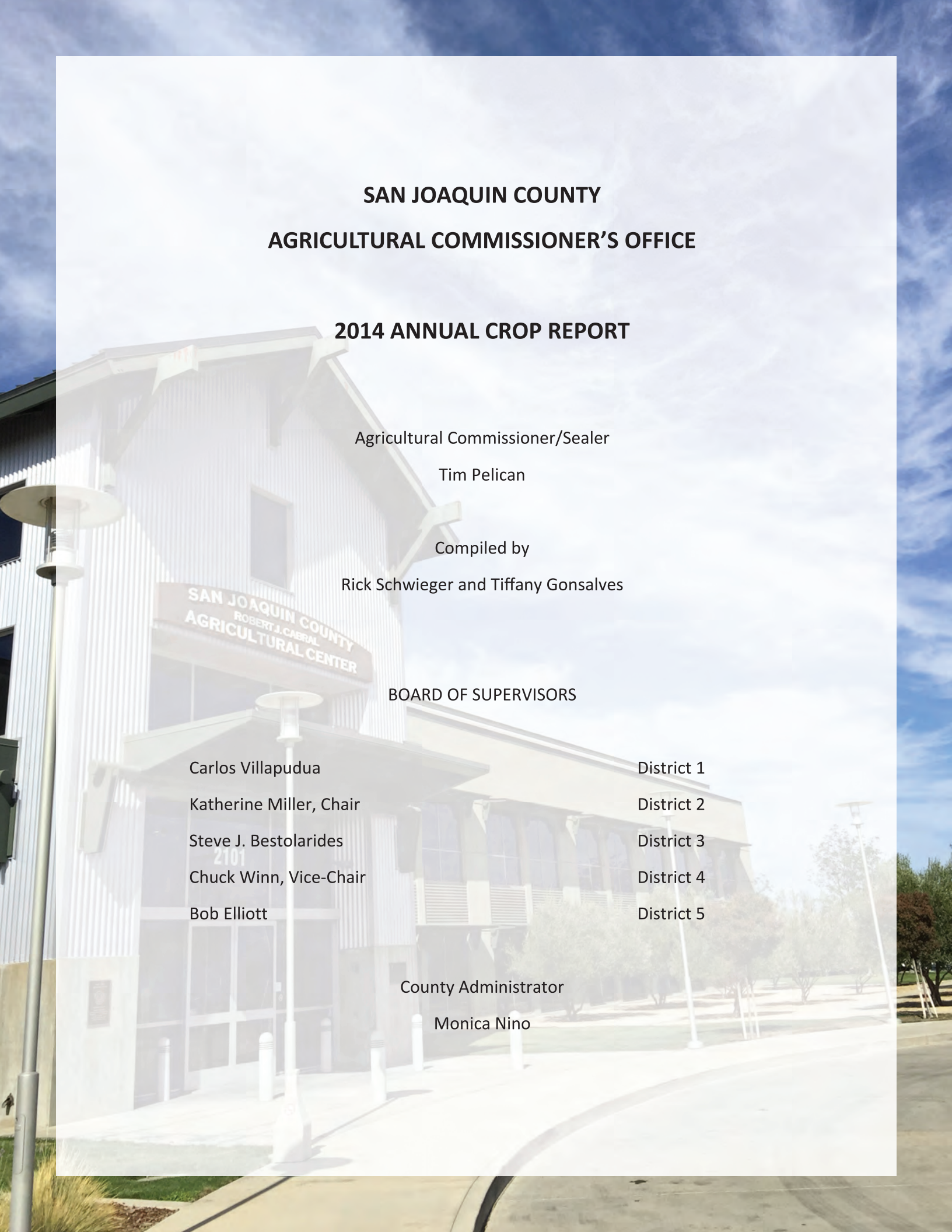
DWR-586

2014 Agricultural Report
SAN JOAQUIN COUNTY

"100 Years Weights & Measures"



SAN JOAQUIN COUNTY

AGRICULTURAL COMMISSIONER'S OFFICE

2014 ANNUAL CROP REPORT

Agricultural Commissioner/Sealer

Tim Pelican

Compiled by

Rick Schwieger and Tiffany Gonsalves

BOARD OF SUPERVISORS

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Katherine Miller, Chair	District 2
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Monica Nino

OFFICE OF THE
AGRICULTURAL COMMISSIONER/SEALER

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TIM PELICAN
Agricultural Commissioner
Sealer of Weights & Measures

KAMAL BAGRI
Asst. Agricultural Commissioner &
Asst. Sealer of Weights & Measures

LODI OFFICE 209-331-7287
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SIMMS STATION 209-838-2276
17620 E. Hwy. 120, Ripon 95366

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 eighty-first Annual Report of Agricultural Production in San Joaquin County.

The gross value of agricultural production for 2014 was at an all-time high of $3,234,705,000. This represents an 8.66% increase over the 2013 value of $2,976,997,000.

There were significant increases for 2014. The Vegetables Crops increased by 13.41%, with an overall value of $312,804,000. Livestock & Poultry increased by 12.92% with total gross value of $122,882,000. The gross production value of Fruit & Nut Crops showed an increase of 4.72% with total value of $1,766,776,000 primarily due to increase (23.70%) in value of almond meats. Field Crops increased to $345,345,000, an increase of 4.32% in value. Increases in the number of pollination hives and per unit gross value, led to an apiary increase of 14.83% compared to 2013. Livestock & Poultry Products increased from 2013 due to higher prices for milk and eggs.

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 cooperated in providing data for this report, including our agricultural producers, industry representatives and other public agencies. I would also like to express my sincere thanks to the Agricultural Commissioner staff especially Agricultural Biologists Rick Schwieger and Tiffany Gonsalves and Deputy Agricultural Commissioner Judith Arroyo for compiling the necessary information that made this report possible.

Respectfully submitted,

Tim Pelican
Agricultural Commissioner/Sealer

The 2014 San Joaquin County Agricultural Crop Report is dedicated to:

Tom Doud

October 18, 1954 - May 19, 2014

On May 19, 2014, The San Joaquin County Agricultural Department lost a valuable and dedicated team member, Tom Doud. Tom received his Bachelor Degree in Plant Science from the University of California at Davis. He began working as a field representative for several commodity packing companies. In March 2003, he became a seasonal Agricultural Pest Surveyor with San Joaquin County, in the Glassy-Winged Sharp Shooter program. Within six months Tom was hired as an Agricultural Biologist. He advanced to a Senior Agricultural Biologist in September 2008, where he remained for over eleven years until his untimely passing.

In October 2010, San Joaquin County became one of eight counties in California to be granted a Dog Team. Tom applied for the opportunity to serve as the county dog handler amid many qualified candidates, he was chosen for the job. Kojak, a Black Lab mix, came to San Joaquin County after they went through an intense ten-week training course at the USDA National Detector Dog Training Center in Newman, Georgia. Tom and Kojak worked as a team to look for plant products in unmarked packages being shipped through commercial parcel companies.

Tom enjoyed sharing Kojak's test runs with staff members. He would put Kojak through his paces with "pests" hidden in postage boxes strewn around one of the assembly rooms at The Agricultural Center. Tom enjoyed the activity as much as Kojak. The two proved to be a great team, with many invasive pest interceptions which could have been harmful to our local agricultural industry.

Tom had a zest for life and loved outdoor activities such as fishing and gardening. He was well-known for growing lavender, which he turned into beautiful and fragrant lavender wands. Tom enjoyed watching his wife Marilyn work with her horses and attended many horse shows with her throughout the country. Tom is greatly missed by all who had the privilege of knowing him.

Agricultural Commissioner/Sealer
Tim Pelican

Assistant Agricultural Commissioner
Kamal Bagri

Deputy Agricultural Commissioners
Judith Arroyo Martin Brockman Barbara Huecksteadt Donald McCoon, Jr.

Deputy Sealer of Weights and Measures
Dave Singh

Weight and Measures Inspectors
Ben Delph Josh Hanson Matthew Hoekman Harrison McDowall

Senior Agricultural Biologists
Colleen Bednarek
Tom Dawson
Raung Long
Kim Martin
Rod Saiki
Ted Viss
Humberto Castro
Maria Jochimsen
Rand Medina
Robert Pelletier
Nancy Smith
Sue Williamson

Agricultural Biologist II
Vanze Lum

Agricultural Biologists I
Erik Baxter
Khrista Delucchi
Tiffany Gonsalves
Katie Moreno
Rick Schwieger

Administrative Secretary
Kim Delucchi

Senior Office Assistants
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Laura Rocha Jo Tengonciang

Office Assistant
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Ferdinand Pura

Account Technician I
Terry King

Account Technician II
Share Hawkins

Office Specialist
Hiromi Hernandez

Agricultural Pest Surveyors
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Darla Durbin
Leah Hassett
Vicky Hurles
Judy Nepote
Jack Snyder
Paula Woodward
Alta Brown-Montgomery
Rosemarie Engstrom
Elizabeth Hinojosa
Brett Koth
Joe Pimentel
Eric Stockel
Larry Wright
Angelica Covello-Contreras
Robert Guzzi
Leticia Hinojosa
Amy Lewis
Elvira Rios Prock
Lynn Stoner
Joann Dunn
Karolyn Hamlin
Nela Holsapple
Javier Magana
Luis Salcedo
Andrew Turcotte

FRUIT AND NUT CROPS

CROP	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	PRODUCTION TOTAL	UNIT	GROSS VALUE PER UNIT	GROSS VALUE SUBTOTAL	GROSS VALUE TOTAL
ALMOND, MEATS	2014	59,200	1.15	68,100	TON	$8,500.00		$578,850,000
	2013	56,800	1.25	70,900	TON	$6,600.00		$467,940,000
ALMOND, HULLS	2014			136,000	TON	$145.00		$19,720,000
	2013			160,000	TON	$125.00		$19,938,000
ALMOND SHELLS*	2014			34,000	TON	$22.00		$748,000
	2013			0	TON	$0.00		$0
APPLES, ALL	2014	2,720	24.63	67,000	TON	$557.00		$37,310,000
	2013	3,470	24.84	86,200	TON	$600.00		$51,724,000
FRESH	2014			51,400	TON	$650.00	$33,410,000	
	2013			63,000	TON	$733.00	$46,181,000	
PROCESSING	2014			15,600	TON	$250.00	$3,900,000	
	2013			23,200	TON	$239.00	$5,543,000	
APRICOTS	2014	827	11.97	9,900	TON	$500.00		$4,950,000
	2013	652	12.00	8,000	TON	$440.00		$3,520,000
BLUEBERRIES	2014	1,310	5.00	6,550	TON	$4,200.00		$27,510,000
	2013	1,310	4.45	5,830	TON	$4,790.00		$27,890,000
CHERRIES, ALL	2014	20,500	1.15	23,600	TON	$3,643.00		$85,986,000
	2013	20,700	2.16	44,800	TON	$3,210.00		$143,638,000
FRESH	2014			19,700	TON	$4,265.00	$84,021,000	
	2013			37,300	TON	$3,760.00	$140,136,000	
PROCESSING	2014			3,930	TON	$500.00	$1,965,000	
	2013			7,450	TON	$470.00	$3,502,000	
GRAPES, ALL**	2014	102,000	8.00	816,000	TON	$590.00		$481,440,000
	2013	96,400	8.93	861,000	TON	$577.00		$496,370,000
OLIVES, PROCESSING	2014	3,850	3.90	15,000	TON	$649.00		$9,735,000
	2013	3,850	3.54	13,600	TON	$643.00		$8,745,000

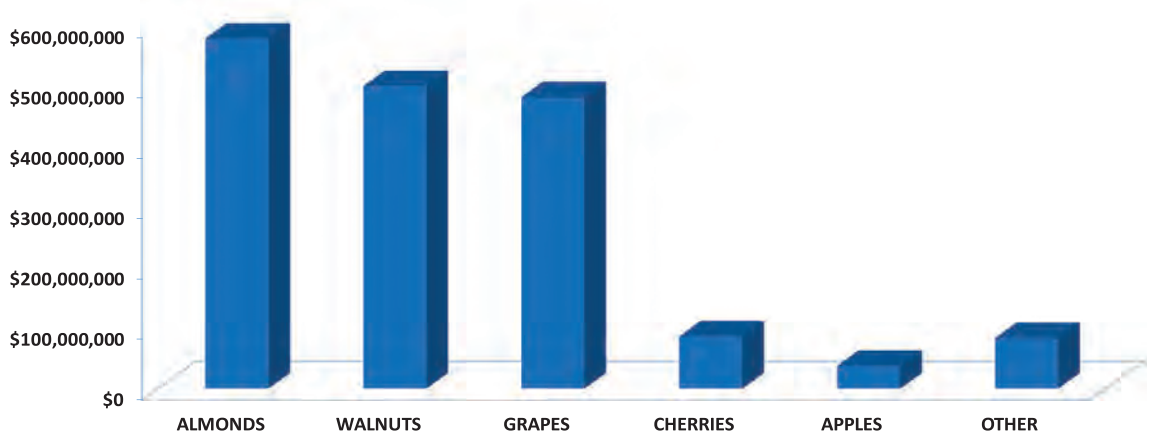
NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING
*NEW CATEGORY REPORTED (ALMOND SHELLS)
** GRAPES, ALL NOW INCLUDES TABLE, CRUSHED AND WINE, ALL

FRUIT AND NUT CROPS

CROP	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	PRODUCTION TOTAL	PRODUCTION UNIT	GROSS VALUE PER UNIT	GROSS VALUE SUBTOTAL	GROSS VALUE TOTAL
PEACHES, ALL	2014	1,690	19.05	32,200	TON	$377.00		$12,137,000
	2013	1,820	24.45	44,500	TON	$315.00		$14,002,000
CLINGSTONE	2014	1,070	17.30	18,500	TON	$345.00	$6,383,000	
	2013	730	21.10	15,400	TON	$331.00	$5,097,000	
FREESTONE	2014	619	22.16	13,700	TON	$420.00	$5,754,000	
	2013	1,090	26.67	29,100	TON	$306.00	$8,905,000	
PEARS	2014	185	20.00	3,700	TON	$356.00		$1,317,000
	2013	254	10.53	2,700	TON	$310.00		$837,000
WALNUTS, ENGLISH	2014	62,500	2.10	131,000	TON	$3,817.00		$500,027,000
	2013	60,200	2.25	135,000	TON	$3,270.00		$442,753,000
MISCELLANEOUS	2014	710						$4,919,000
	2013	800						$3,443,000
BIOMASS	2014							$2,127,000
	2013							$6,387,000
TOTAL*	2014	255,000						$1,766,776,000
	2013	246,000						$1,687,187,000

NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING
*ADJUSTED FIGURES

TOP FIVE FRUIT AND NUT CROPS BY VALUE



SEED CROPS

CROP	YEAR	HARVESTED	PRODUCTION PER ACRE	PRODUCTION TOTAL	PRODUCTION UNIT	GROSS VALUE PER UNIT	GROSS VALUE TOTAL
BEANS, OTHER	2014	510	25.40	13,000	CWT	$76.00	$988,000
	2013	394	26.15	10,300	CWT	$55.00	$567,000
MISCELLANEOUS	2014	992					$3,603,000
	2013	853					$2,790,000
TOTAL	2014	1,500					$4,591,000
	2013	1,250					$3,357,000

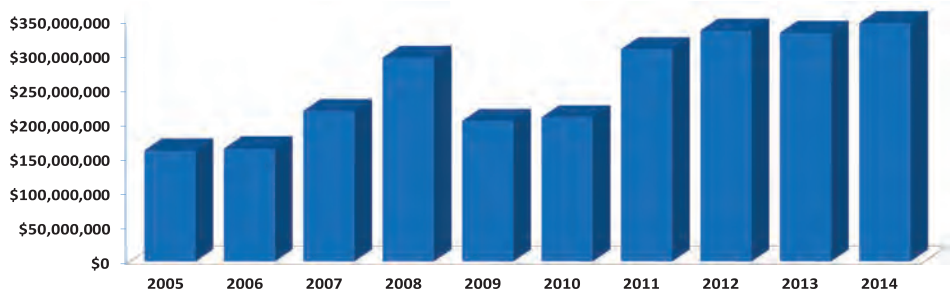
NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING
BEANS, OTHER INCLUDES KIDNEY BEANS
MISCELLANEOUS INCLUDES VEGETABLE SEED

FIELD CROPS

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION PER ACRE	PRODUCTION TOTAL	UNIT	GROSS VALUE PER UNIT	GROSS VALUE SUBTOTAL	GROSS VALUE TOTAL
BEANS, DRY, ALL	2014	11,800	1.31	15,500	TON	$977.00		$15,150,000
	2013	11,300	1.04	11,700	TON	$825.00		$9,666,000
LIMA	2014	1,000	1.45	1,450	TON	$1,720.00	$2,494,000	
	2013	400	1.10	440	TON	$1,070.00	$471,000	
BEANS, OTHER	2014	10,800	1.30	14,000	TON	$904.00	$12,656,000	
	2013	10,900	1.03	11,300	TON	$816.00	$9,195,000	
CORN, GRAIN	2014	53,000	4.67	248,000	TON	$200.00		$49,600,000
	2013	58,100	5.32	309,000	TON	$201.00		$62,109,000
HAY, ALL	2014	65,400	6.79	444,000	TON	$255.00		$113,233,000
	2013	62,300	6.71	418,000	TON	$221.00		$92,527,000
ALFALFA	2014	57,700	7.30	421,000	TON	$254.00	$106,934,000	
	2013	55,100	7.17	395,000	TON	$222.00	$87,690,000	
OTHER	2014	7,700	3.70	28,500	TON	$221.00	$6,299,000	
	2013	7,200	3.25	23,400	TON	$207.00	$4,837,000	
PASTURE & RANGE	2014	135,000			ACRE	$40.00		$5,393,000
	2013	135,000			ACRE	$40.00		$5,393,000
IRRIGATED	2014	14,500			ACRE	$165.00	$2,393,000	
	2013	14,500			ACRE	$165.00	$2,393,000	
OTHER	2014	120,000			ACRE	$25.00	$3,000,000	
	2013	120,000			ACRE	$25.00	$3,000,000	
RICE	2014	3,400	4.74	16,100	TON	$400.00		$6,440,000
	2013	4,530	3.87	17,500	TON	$340.00		$5,950,000
SAFFLOWER	2014	3,170	1.57	4,980	TON	$520.00		$2,590,000
	2013	4,550	1.53	6,960	TON	$545.00		$3,793,000
SILAGE, CORN	2014	50,200	27.24	1,367,000	TON	$49.00		$66,983,000
	2013	52,500	26.56	1,394,000	TON	$46.00		$64,124,000
SILAGE, OTHER INCLUDES GREEN CHOP	2014	112,000	13.72	1,537,000	TON	$41.00		$63,017,000
	2013	104,000	11.37	1,186,000	TON	$41.00		$48,626,000
WHEAT	2014	23,000	3.28	75,400	TON	$235.00		$17,719,000
	2013	26,400	2.90	76,600	TON	$251.00		$19,225,000
MISCELLANEOUS	2014	10,000						$5,220,000
	2013	34,700						$19,618,000
TOTAL	2014	467,000						$345,345,000
	2013	493,000						$331,031,000

NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING
BEANS, OTHER INCLUDES BLACKEYE, KIDNEY, GARBANZO AND ALL OTHER BEANS NOT LISTED

FIELD CROPS TOTAL VALUE - TEN YEAR TREND



VEGETABLE CROPS

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION PER ACRE	PRODUCTION TOTAL	UNIT	GROSS VALUE PER UNIT	GROSS VALUE SUBTOTAL	GROSS VALUE TOTAL
ASPARAGUS	2014	4,650	1.83	8,510	TON	$3,028.00		$25,768,000
	2013	5,940	1.24	7,360	TON	$3,170.00		$23,458,000
CORN, SWEET	2014	2,170	7.52	16,300	TON	$392.00		$6,390,000
	2013	2,370	10.21	24,200	TON	$424.00		$10,261,000
CUCUMBERS	2014	2,640	9.80	25,900	TON	$200.00		$5,180,000
	2013	2,140	8.75	18,700	TON	$184.00		$3,441,000
MELONS, ALL	2014	2,450	39.80	97,500	TON	$355.00		$34,604,000
	2013	2,200	35.09	77,200	TON	$360.00		$27,828,000
WATERMELON	2014	2,250	42.00	94,500	TON	$345.00	$32,603,000	
	2013	2,050	36.00	73,800	TON	$360.00	$26,568,000	
OTHER	2014	200	15.00	3,000	TON	$667.00	$2,001,000	
	2013	150	22.40	3,360	TON	$375.00	$1,260,000	
ONIONS	2014	1,580	17.35	27,400	TON	$272.00		$7,453,000
	2013	2,180	25.00	54,500	TON	$257.00		$14,007,000
PEPPERS	2014	683	18.66	12,700	TON	$677.00		$8,598,000
	2013	820	11.70	9,600	TON	$615.00		$5,904,000
POTATOES	2014	3,740	19.40	72,600	TON	$552.00		$40,075,000
	2013	3,200	21.35	67,900	TON	$896.00		$60,838,000
PUMPKINS	2014	3,140	17.62	55,300	TON	$360.00		$19,908,000
	2013	3,600	15.00	54,000	TON	$300.00		$16,200,000
TOMATOES, ALL	2014	37,800	43.20	1,633,000	TON	$93.00		$151,859,000
	2013	28,500	39.96	1,139,000	TON	$90.00		$102,427,000
SHIPPING	2014	2,110	16.10	34,000	TON	$563.00	$19,142,000	
	2013	2,690	15.00	40,000	TON	$555.00	$22,200,000	
PROCESSING	2014	35,700	44.80	1,599,000	TON	$83.00	$132,717,000	
	2013	25,800	42.61	1,099,000	TON	$73.00	$80,227,000	
MISCELLANEOUS	2014	2,440						$12,969,000
	2013	2,490						$11,445,000
TOTAL	2014	61,300						$312,804,000
	2013	53,400						$275,809,000

NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING

NURSERY PRODUCTS

ITEM	YEAR	QUANTITY SOLD	UNIT	GROSS VALUE TOTAL
GRAPEVINES, STRAWBERRY PLANTS, FRUIT & NUT TREES	2014	126,226,000	PLANT	$9,003,000
	2013	106,399,000	PLANT	$13,345,000
VEGETABLE PLANTS	2014	654,319,000	PLANT	$20,173,000
	2013	297,574,000	PLANT	$20,887,000
FLOWERING POTTED PLANTS	2014	1,158,000	EACH	$4,583,000
	2013	1,031,000	EACH	$4,552,000
FOLIAGE PLANTS	2014	1,229,000	EACH	$5,183,000
	2013	1,187,000	EACH	$4,985,000
BEDDING PLANTS	2014	236,122,000	PLANT	$11,013,000
	2013	247,926,000	PLANT	$10,957,000
WOODY ORNAMENTALS	2014	7,733,000	EACH	$32,140,000
	2013	8,204,000	EACH	$32,589,000
BULBS, RHIZOMES, TURF, CACTUS, CHRISTMAS TREES, ETC.	2014			$14,301,000
	2013			$17,269,000
TOTAL	2014			$96,396,000
	2013			$104,584,000

NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING

APIARY PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	GROSS VALUE PER UNIT	GROSS VALUE TOTAL
HONEY	2014	125,000	LBS	$2.00	$250,000
	2013	117,000	LBS	$2.00	$234,000
POLLINATION	2014	133,000	HIVE	$144.00	$19,152,000
	2013	124,000	HIVE	$135.00	$16,727,000
MISCELLANEOUS	2014				$209,000
	2013				$118,000
TOTAL	2014				$19,611,000
	2013				$17,079,000

NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING
MISCELLANEOUS INCLUDES POLLEN, BEES, QUEENS, NUCLEUS, COLONIES AND BEESWAX

LIVESTOCK AND POULTRY

ITEM	YEAR	NO. HEAD	LIVE WEIGHT	UNIT	GROSS VALUE PER UNIT	GROSS VALUE TOTAL
CATTLE & CALVES	2014	112,000	811,000	CWT	$120.00	$97,320,000
	2013	113,000	826,000	CWT	$92.00	$76,043,000
SHEEP & LAMBS	2014	16,600	21,100	HD	$110.00	$2,321,000
	2013	18,100	23,500	HD	$113.00	$2,663,000
BROILERS	2014	1,831,000	9,684,000	LBS	$0.81	$7,844,000
	2013	1,777,000	9,542,000	LBS	$0.80	$7,639,000
TURKEYS	2014	321,000	9,448,000	LBS	$1.10	$10,393,000
	2013	611,000	19,664,000	LBS	$0.93	$18,288,000
MISCELLANEOUS	2014					$5,004,000
	2013					$4,185,000
TOTAL	2014					$122,882,000
	2013					$108,818,000

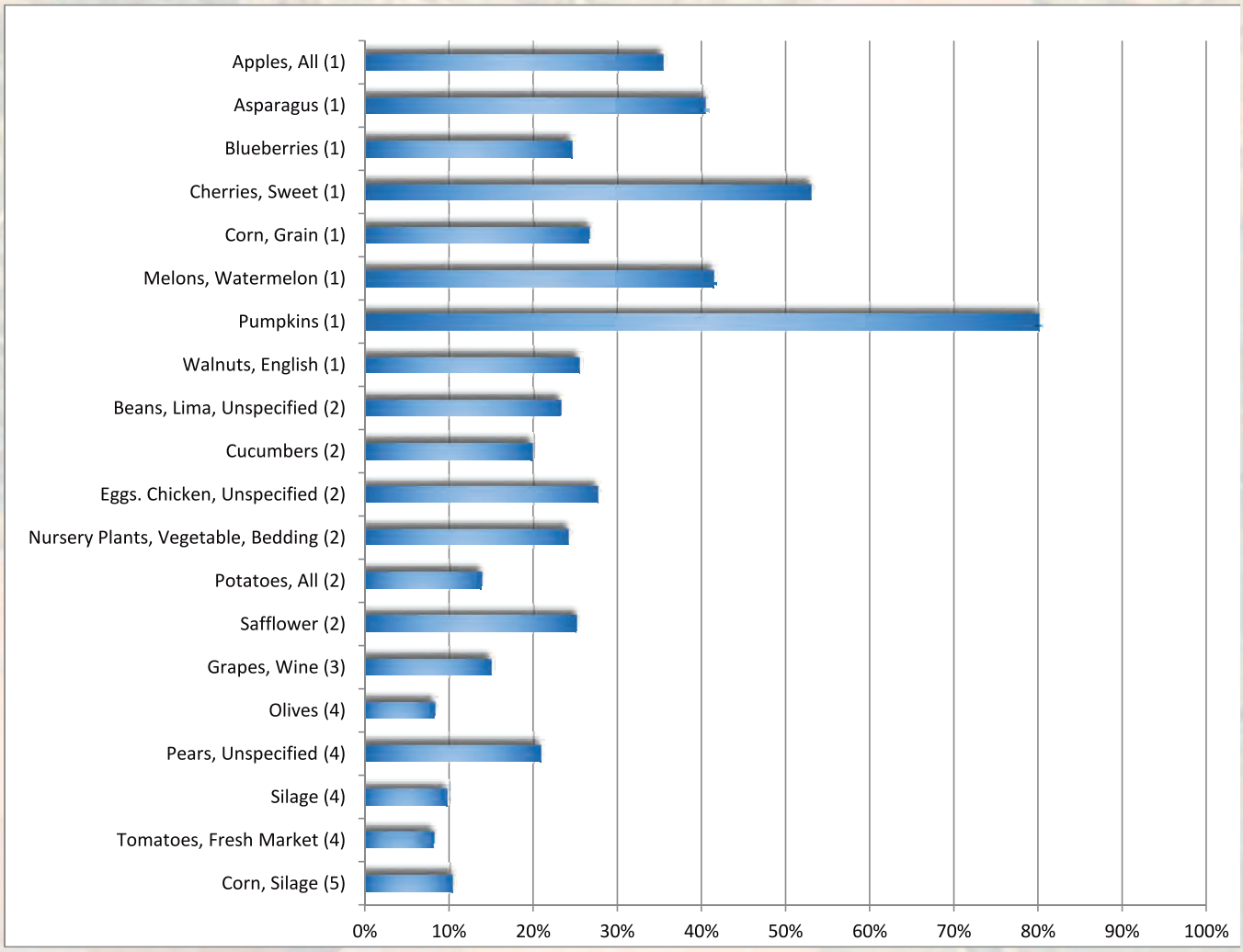
NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING
MISCELLANEOUS INCLUDES HOGS, GOATS, SQUAB, DUCKS AND OTHER FOWL

LIVESTOCK AND POULTRY PRODUCTS

ITEM	YEAR	PRODUCTION	UNIT	PER UNIT	GROSS VALUE TOTAL
MILK, ALL	2014	24,602,000	CWT	$22.00	$541,244,000
	2013	23,158,000	CWT	$19.00	$429,358,000
WOOL	2014	60,200	LBS	$1.85	$111,000
	2013	65,000	LBS	$2.00	$131,000
EGGS, CHICKEN	2014	20,900,000	DOZ	$1.14	$23,930,000
	2013	29,778,000	DOZ	$0.62	$18,556,000
MANURE	2014	203,000	TON	$5.00	$1,015,000
	2013	217,000	TON	$5.00	$1,087,000
TOTAL	2014				$566,300,000
	2013				$449,132,000

NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING

SAN JOAQUIN COUNTY STATEWIDE TOP FIVE CROP PRODUCTION PERCENTAGE AND RANKING FOR 2013*



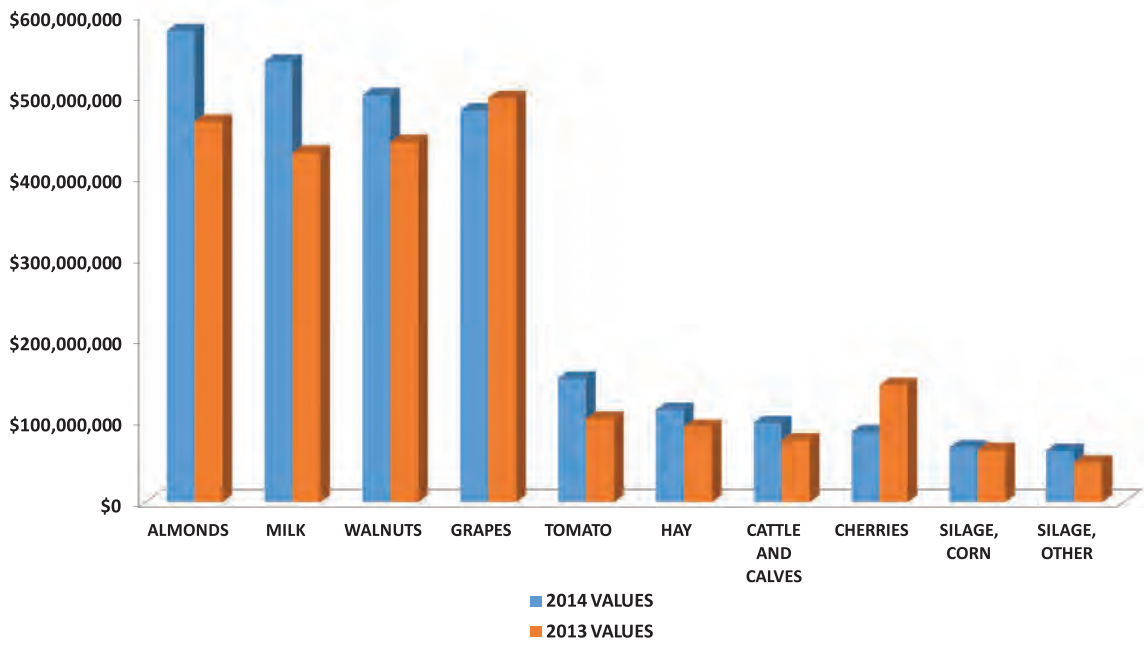
*BASED ON LATEST INFORMATION AVAILABLE FROM NATIONAL AGRICULTURAL STATISTICS SERVICES (NASS)

SAN JOAQUIN COUNTY TRADING PARTNERS 2014

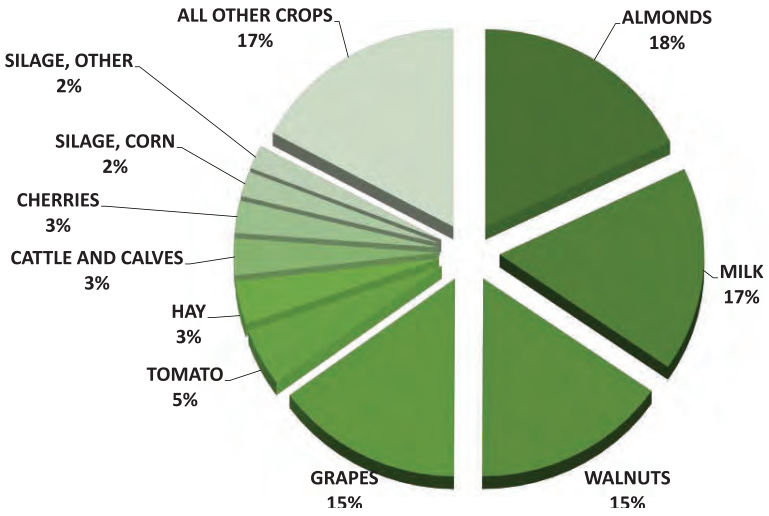
ALGERIA	DOMINICAN REPUBLIC	JAMAICA	POLAND
ARGENTINA	ECUADOR	JAPAN	PORTUGAL
ARMENIA	EGYPT	JORDAN	RUSSIAN FEDERATION
AUSTRALIA	EL SALVADOR	KOREA, REPUBLIC OF	SAUDI ARABIA
AUSTRIA	ESTONIA	KUWAIT	SENEGAL
AZERBAIJAN	ETHIOPIA	LAO PEOPLE'S DEMOCRATIC REPUBLIC	SERBIA
BAHRAIN	FINLAND	LEBANON	SINGAPORE
BELARUS	FRANCE	LIBYA	SOUTH AFRICA
BELGIUM	FRENCH POLYNESIA	LITHUANIA	SPAIN
BOLIVIA, PLURINATIONAL STATE OF	GEORGIA	MALAYSIA	SRI LANKA
BOSNIA AND HERZEGOVINA	GERMANY	MALTA	SWEDEN
BRAZIL	GHANA	MAURITIUS	SWITZERLAND
BRUNEI DARUSSALAM	GREECE	MEXICO	TAIWAN
BULGARIA	GRENADA	MOROCCO	THAILAND
BURKINA FASO	GUATEMALA	NETHERLANDS	TUNISIA
CANADA	GUYANA	NEW ZEALAND	TURKEY
CHILE	HAITI	NICARAGUA	UKRAINE
CHINA	HONDURAS	NIGER	UNITED ARAB EMIRATES
COLOMBIA	HONG KONG	NORWAY	UNITED KINGDOM
COSTA RICA	HUNGARY	OMAN	UNITED STATES
COTE D'IVOIRE	INDIA	PAKISTAN	URUGUAY
CYPRUS	INDONESIA	PANAMA	VENEZUELA, BOLIVARIAN REPUBLIC OF
CZECH REPUBLIC	ISRAEL	PERU	VIET NAM
DENMARK	ITALY	PHILIPPINES	

In 2014, San Joaquin County issued 11,299 Federal Phytosanitary Certificates, 296 State Phytosanitary Certificates and 2 Certificates of Quarantine Compliance

COMPARISON OF VALUES FOR TOP TEN CROPS



TOP TEN CROPS BY PERCENTAGE OF TOTAL VALUE



Direct Marketing/Organic

In 2014, San Joaquin County held 10 Certified Farmers Markets and registered 56 Certified Producers.

STOCKTON

Weberstown Mall	Bob Hope Theater	Crosstown Freeway Market
Sundays, Year Round	Fridays, May - Oct	Saturdays, Year Round
Thursdays, Apr - Nov	8:00 am to 2:30 pm	5:30 am to 11:00 am
8:00 am - 1:00 pm		

Park West Place Farmer's Market	University Park Farmer's Market
Sundays , May - Dec	Tuesdays , May - Sep
9:00 am - 2:00 pm	9:00 am - 1:00 pm

LODI	**MANTECA**
School St. between Oak & Elm St	Downtown Tuesday Night CFM
Thursdays, Jun - Aug	Tuesdays, Jun - Aug
5:00 pm - 8:30 pm	4:30 pm - 7:30 pm

TRACY		**RIPON**
West Valley Mall Farmer's Market	Library Park	Mavis Stouffer Park
Sundays, Year Round	Saturdays, May - Oct	Thursdays, Jun - Jul
9:00 am - 2:00 pm	8:00 am - 1:00 pm	4:00 pm - 7:30 pm

There were 37 organic producers farming a total of 1,170 acres

Sustainable Agriculture 2014

Pest Exclusion is the first line of prevention against invasive pests entering our County. Our Agricultural Biologists oversee the enforcement of quarantines, conduct inspections of packages at parcel facilities, nurseries and of other high risk material.

Type	Shipments Profiled	Shipments Inspected
Parcel	20,185	10,803
Air Freight	125	125
Sea Freight	10	10
Gypsy Moth	11	11
Truck	410	356
Other	1,580	514
GWSS Nursery	2,151	1,828

Pests Intercepted

Common Name/Scientific Name	Rating
Insects	
California red scale; Aonidiella aurantii	Q
Kirkaldys whitefly; Dialeurodes kirkaldyi	Q
Spiraling whitefly; Aleurodicus disperses	Q
Thrips; Thrips maculicollis	Q
Mealybug; Nipaecoccus sp.	Q
Green scale; Coccus viridis	A
Peacock mite; Tuckerella sp.	Q
Leafhoppers; Cicadellidae	Q
Katydid; Tettigoniidae	Q
Weeds	
Japanese Dodder; Cuscuta japonica	A
Branched Broomrape; Orobranche ramosa	A

Japanese Dodder

An “A” rated pest is a pest of known economic or environmental detriment and is either not known to be established in California or it is present in a limited distribution that allows for the possibility of eradication or successful containment. A “Q” rated pest is an organism or disorder suspected to be of economic or environmental detriment, but whose status is uncertain because of incomplete identification of inadequate information.

Sustainable Agriculture 2014 *continued...*

Pest Detection is an additional line of defense that prevents exotic pests from becoming established by focusing on early detection and localized eradication. In 2014, San Joaquin County's Agricultural Pest Surveyors placed and monitored for the following pests:

Target Pest	Affected Host	Traps	Trap Servicings
Mediterrenean Fruit Fly	Fruit Trees	629	9,435
Oriental Fruit Fly	Fruit Trees	629	9,435
Light Brown Apple Moth	Fruit Trees	637	9,555
Glassy Winged Sharpshooter (GWSS)	Ag/Ornamental	635	9,525
Mexican/Caribbean Fruit Fly	Fruit Trees	362	10,860
Melon Fruit Fly	Vegetable Gardens	362	4,706
Gypsy Moth	Shade Trees	250	750
Japanese Beetle	Shade Trees	250	750
Asian Citrus Psyllid	Citrus	548	6,680
GWSS-Nursery	Ag/Ornamental	3,326	31,597
European Grapevine Moth	Vineyards	4,128	61,920
Western Cherry Fruit Fly	Cherries	307	1,791
Apple Maggot	Apples	199	1,535

Finds

Light Brown Apple Moth : 25

Asian Citrus Psyllids: 2

California Department of Weights and Measures 100 Years of Service

Since 1930, it has been the mission of the San Joaquin County Weights and Measures Division to promote, protect and enforce equity in the marketplace by using and maintaining true standards of weights and measures for the economic health of every citizen and competing businesses.

The Weights and Measures Division supports the agricultural community by testing the devices used to weigh crops and livestock, verifying the accuracy of meters that deliver fertilizers and fuels and protecting industry by ensuring the devices they operate in their daily work are correct and accurate.

The history of the California Department of Weights and Measures began in 1913, as The Office of State Superintendent of Weights and Measures. The Department was organized to oversee the specifications and tolerances of weighing and measuring devices used in commerce, specifically railroad track scales and devices in the state hospitals and prisons.

Railroad track scales were, and still are, important in weighing commodities for farmers and producers. These scales were used to determine tariffs charged to the growers for their commodities based on weight. In 1920, The National Bureau of Standards, now known as The National Institute of Standards and Technology, provided test cars carrying 80,000 pounds to the State of California for testing these scales. At the time, 52.4% of all railroad track scales failed testing. However in 1921, sixteen scales were tested, all were found to be within tolerance proving the importance of device inspections.

Now 100 years later, The San Joaquin County Weights and Measures Division is still testing railroad track scales, as well as a myriad of other types of devices, some of which were not even in existence ten years ago. It is an ever evolving industry. With today's technology it is increasingly difficult to stay ahead of changing trends, such as the Uber App that seems to be set to replace the taxi meter.

The influence of Weights and Measures on commerce has far-reaching effects upon the global, domestic and local economies. The following are programs that fall under the jurisdiction of The County Weights and Measures Division:

DEVICES: The device inspection program regulates "commercial devices" used for buying and selling goods and services. Commercial devices are defined by law as any approved "device used in determining the weight, measure or count of any commodity or thing which is sold." A few examples of these devices are large and small scales, gas pumps, water dispensers, taxi meters and utility sub-meters. Once these devices pass inspection they are certified with a paper "seal" that is affixed to the device, indicating they are ready for commercial use.

SERVICE AGENTS: When devices are in need of repair, replacement or routine service, the law requires a person in the business of repairing commercially used devices to be licensed and registered as a service agent with the State of California. This program enables local Weights and

Measures Inspectors to monitor the activities of service agents and the devices they repair. San Joaquin County Inspectors tested over 1,200 devices that had been repaired or serviced.

QUANTITY CONTROL: The Quantity Control program ensures consumers receive the "full amount" of their purchases. Commodities that are prepackaged prior to sale have basic labeling requirements, the identity of the contents, the weight of the package and who is responsible for the product and their contact information.

Inspectors test and inspect consumer packages using various methods established by federal guidelines. "Point of Sale" transactions are checked by conducting test purchases and then the products are tested for the correct weight in the lab. The scanner program is used to ensure consumers are charged the correct price that is posted, advertised or quoted for an item. This is done by inspecting and recording bar codes utilizing a scanning gun and verifying prices at store checkouts.

The Division's highest priority is investigating consumer complaints. San Joaquin County receives an average of 45 complaints annually and strives to investigate and resolve the complaints within 24 hours of when they are received.

PETROLEUM*:* Petroleum advertising and labeling provides product identity and information to buyers and sellers is strictly enforced by the Division. Examples of this includes fuel price information, labeling of engine oil, brake fluid and antifreeze.

Inspectors test the accuracy of gas pumps on an annual basis. Over 6,000 gas pumps are tested every year to ensure consumers received the gallons of gas they purchased. Other types of fuels and dispensers that County Inspectors test are: Liquid Petroleum Gas (LPG), Compressed Natural Gas (CNG) and Liquid Natural Gas (LNG).

WEIGHMASTER: Some transactions involve quantities or volumes that are beyond the scope of regular retail or wholesale packaging. For example, the farmer who buys 200 tons of hay, the tomato grower who sells his tomato crop to a processor or the trucker who needs the weight of his cargo for transporting.

Weighmasters are licensed by The Division of Measurement Standards to issue certificates that legally declare the weight, measure or count of goods. These certificates are recognized by the courts as legal documentation of quantities exchanged between parties.

The Division regulates weighmasters through periodic audits of the certificates issued for these transactions and ensure that records are kept for the minimum time required. The Inspector reviews hundreds of certificates to make sure none are missing and that they contain all the information required that make them legal documents.

Through the enforcement of these programs The San Joaquin County Weights and Measures Division ensures that consumers are protected and businesses are playing on an even field.

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