# MENDOCINO COUNTY





# 2021 CROP REPORT





#### COUNTY OF MENDOCINO

DEPARTMENT OF AGRICULTURE 890 N. Bush Street Ukiah, CA 95482 PHONE (707) 234-6830 FAX (707) 463-0240 agcomm@mendocinocounty.org www.mendocinocounty.org/ag



# Aaron Hult

Assistant Agricultural Commissioner Assistant Sealer of Weights and Measures

# KAREN ROSS, SECRETARY CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE and

#### THE HONORABLE BOARD OF SUPERVISORS OF MENDOCINO COUNTY

Glenn McGourty, 1<sup>st</sup> District, Vice-Chair, Maureen Mulheren, 2<sup>nd</sup> District, John Haschak, 3<sup>rd</sup> District, Dan Gjerde, 4<sup>th</sup> District, Ted Williams, 5<sup>th</sup> District, Chair

In accordance with Section 2279 of the California Food and Agricultural Code, I am pleased to submit the 2021 annual crop report for Mendocino County. This report reflects the total **gross value** of agricultural commodities produced in the county and not the net returns for producers.

The total gross agricultural value for all commodities produced in 2021 was \$200,556,316, which represents a 10% decrease compared to the 2020 value of \$222,875,410. Wine grapes were back on top as the leading commodity, with a value of \$84,484,842, a decrease of 28.2%. Fruits and nuts combined totaled \$96,478,985, an increase of 3.9%. Agricultural production, excluding timber, totaled \$133,427,635. Timber was the second leading commodity, with a gross "at mill" value of \$67,128,681, a 28.5% decrease over the previous year's total of \$93,855,560. Mendocino County ranked 7th in the State in timber volumes and produced roughly 4.8% of the State's total timber harvest in 2021.

The COVID pandemic still had lingering effects on the economy in general, and especially on Agriculture sectors. Labor and supply chain shortages were some of the biggest obstacles to overcome. Even with these hurdles, and slightly lower tonnage prices, production tons were up for both apples and pears, increasing in value by 8.4% and 14.5% respectively.

Cattle production was relatively unchanged in both the number of head and in price per unit, even as uncertainly grows with the ongoing drought and sharp increases in feed and fuel costs. slightly up, but the overall population stayed relatively the same as projections about the availability of future forage remains uncertain. Production values were calculated to be \$17,498,400 in 2021, a 1.4% increase over the previous year. Milk production values were not available due to the State switching over to a new Federal Marketing system. Historical values for milk production are usually between \$3 and \$4 million.

I wish to express my sincere appreciation to the many producers and agencies that furnish the necessary information that makes this report possible. I would also like to thank the University of California Cooperative Extension and all the members of my staff, including Juliana Parlet for her hard work, valuable input, and assistance in producing this report.

Respectfully submitted,

**Aaron Hult** 

Assistant Agricultural Commissioner Assistant Sealer of Weights and Measures

Aaron Helt

# MENDOCINO COUNTY DEPARTMENT OF AGRICULTURE

#### **ANNUAL CROP REPORT FOR 2021**

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#### **MENDOCINO COUNTY BOARD OF SUPERVISORS**

Glenn McGourty, 1st District, Vice-Chair, Maureen Mulheren, 2nd District, John Haschak, 3rd District, Dan Gjerde, 4th District, Ted Williams, 5th District, Chair

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## **Department of Agriculture**

AARON HULT Deputy Agricultural Commissioner/Sealer of Weights and Measures
AMANDA STONER Office Services Supervisor
JULIANA PARLET
MATT DAUGHERTY Ag/Measurement Standards Specialist III
ANDY WALKER Ag/Measurement Standards Specialist III
JOHN DUNSFORD II Ag/Measurement Standards Specialist I

#### **Seasonal Inspectors**

Carl Townsend

Sheryl Greene

Ray Hall

#### **FRUIT AND NUT CROPS**

COMMODITY	YEAR	BEARING ACREAGE	TONS PER ACRE	PRODUCTION IN TONS		PER TON		VALUE
APPLES, TOTAL	2021	216	1.1	237	\$	691 <sup>(4)</sup>	\$	163,800
<b>,</b>	2020	216	0.9	194	\$	779 <sup>(4)</sup>	\$	151,126
Fresh	2021			42	\$	1,950	\$	81,900
	2020			45	\$	2,000	\$	90,000
Other	2021	- A		195	\$	420	\$	81,900
(Dried, Juice, etc.)	2020			149	\$	410	\$	61,900
WINE GRAPES, TOTAL	2021	16,514	2.8	47,093	\$	1,794	\$	84,484,842
	2020	16,401	3.4	55,164	\$	1,490	\$	82,182,224
White	2021	5,534	3.6	20,113				
Varieties	2020	5,435	5	26,990				
Red	2021	10,980	2.5	26,980	A THE	14.57	To You	Augustin
Varieties	2020	10,966	2.6	28,174		KELLE		
PEARS, TOTAL (1)	2021	1,063	18.3	19,431	\$	553 <sup>(4)</sup>	\$	10,745,343
	2020	1,082	15.4	16,700	\$	562 <sup>(4)</sup>	\$	9,385,400
Bartlett (2)	2021	941	19.4	18,250	\$	524 <sup>(4)</sup>	\$	9,563,000
	2020	974	15.8	15,078	\$	522 <sup>(4)</sup>	\$	7,870,716
Canning	2021			10,004	\$	431	\$	4,311,724
·	2020		6.16	9,882	\$	428	\$	4,229,496
Fresh (2)	2021			4,590	\$	874	\$	4,011,660
•	2020			3,679	\$	867	\$	3,189,693
Other	2021			1,907	\$	297	\$	566,379
(Baby Food	2020			1,517	\$	294	\$	445,998
Dried, Paste)								
Bosc(2)	2021	65	7.3	457	\$	928	\$	424,096
	2020	76	18.0	1,369	\$	911	\$	1,247,159
Red (2)	2021	42	17.2	724	\$	1,038	\$	751,512
	2020	42	6	253	\$	1,065	\$	269,445
MISC. TOTAL (3)	2021	243					\$	1,085,000
	2020	243					\$	1,005,000
TOTALS:	2021	18,016					\$	96,478,985
	2020	17,946					\$	92,723,750

<sup>(1)</sup> Does not include misc./other pears. See (3)

Some values throughout this report may not compute exactly due to computational rounding.

<sup>(2)</sup> The fresh values listed for pears are FOB values. The actual average prices paid per ton to the growers (farm gate values)

for 2021 were: Bartlett \$438, Bosc \$468, and Reds \$462.

for 2020 were: Bartlett \$423, Bosc \$482, and Reds \$539.

<sup>(3)</sup> Miscellaneous includes berries, cherries, chestnuts, olives, other pears, guava, peaches, persimmons, table grapes pistachios and walnuts

<sup>(4)</sup> Weighted average

# FRUIT, NUT, AND GRAPEVINE ACREAGE

CROP	ACRES BEARING	ACRES NON-BEARING	TOTAL
APPLES	216	0	216
WINE GRAPES, TOTAL	16,514	604	17,118
Red White	10,980 5,534	211 393	11,191 5,927
OLIVES	123	0	123
PEARS, TOTAL	1,063	0	1,063
Bartlett Red Bosc Other	941 42 65 15	0 0 0 0	941 42 65 15
WALNUTS, ENGLISH	20	0	20
MISCELLANEOUS*	80	0	80
TOTALS:	18,016	604	18,620

<sup>\*</sup>Miscellaneous includes berries, cherries, chestnuts, guava, peaches, persimmons, pistachios, plums, and table grapes.



# LIVESTOCK INVENTORIES

COMMODITY	<u>2021</u>	<u>2020</u>
All Cattle and Calves	26,000*	26,000
Sheep and Lambs, all	6,900	7,000
Hogs and Pigs	390	400
Other Livestock**	4.400	4.400

<sup>\*</sup>Number of head as of January 1, 2021

<sup>\*\*</sup>Other Livestock includes goats, bison, Ilama, poultry and rabbits

#### LIVESTOCK PRODUCTION

COMMODITY	YEAR	NO. OF <u>HEAD</u>	TOTAL CWT** LIVE WT.	\$ PER	\$ VALUES
CATTLE AND CALVES	<b>2021</b> 2020	<b>19,000</b> 18,800	<b>126,800</b> 126,000	<b>\$138</b> \$137	<b>\$17,498,400</b> \$17,262,000
SHEEP AND LAMBS	<b>2021</b> 2020	<b>2,700</b> 2,800	<b>2,850</b> 3,000	<b>\$142</b> \$139	<b>\$404,700</b> \$417,000
HOGS AND PIGS	<b>2021</b> 2020	<b>370</b> 380	<b>980</b> 985	<b>\$83</b> \$82	<b>\$81,340</b> \$80,770
MISCELLANEOUS*	<b>2021</b> 2020				<b>\$469,000</b> \$484,000
TOTALS:	<b>2021</b> 2020				<b>\$18,453,440</b> \$18,243,770

<sup>\*</sup>Miscellaneous includes goats, pigeons, poultry, rabbits, turkeys, bison and aquaculture (fish farms). \*\*CWT= 100 lbs.



#### LIVESTOCK AND POULTRY PRODUCTS

COMMODITY	YEAR	PRODUCTION IN LBS.	PER UNIT	<u>\$ VALUE</u>
MILK	<b>2021</b> 2020	** **	**	**
WOOL	<b>2021</b> 2020	<b>20,000 LB</b> 26,000 LB	<b>\$1.05</b> \$1.28	<b>\$21,000</b> \$33,280
MISCELLANEOUS*	<b>2021</b> 2020			<b>\$1,368,000</b> \$1,397,000
TOTALS:	<b>2021</b> 2020			<b>\$1,389,000</b> \$1,430,280

<sup>\*</sup>Miscellaneous includes apiary, eggs, emus, cheese, manure, and ostriches.

<sup>\*\*</sup> Data was not available

#### **NURSERY PRODUCTION**

COMMODITY	YEAR	GREENHOUSE SQUARE FEET	FIELD <u>ACRES</u>	\$ VALUES
Nursery*	2021	61,000	18	\$1,805,000
	2020	60,500	23	\$1,825,000
Christmas Trees	2021	N/A	N/A	\$16,000
	2020	N/A	N/A	\$17,000
TOTALS	2021	61,000	18	\$1,821,000
	2020	60,500	23	\$1,842,000

<sup>\*</sup>Includes turf and cut flowers



## **VEGETABLE CROPS**

	YEAR	ACRES	\$ VALUES
Miscellaneous Vegetables*	2021	350	\$1,387,000
	2020	348	\$1,365,000

<sup>\*</sup>Includes beans, sweet corn, garlic, herbs, melons, peas, potatoes, squash, tomatoes, etc.

#### **FIELD CROPS**

COMMODITY	YEAR	ACRES	YIELD/ ACRE	TOTAL YIELD	PER <u>AUM</u>	\$ VALUES
IRRIGATED PASTURE	2021	3,200	9.00 AUM*	28,800	\$34.00	\$979,200
	2020	3,500	9.00 AUM*	31,500	\$32.00	\$1,008,000
PASTURE, other (grassland,	2021	363,000	1.02 AUM*	370,260	\$18.50	\$6,849,810
coast bench)	2020	363,000	1.04 AUM*	381,150	\$17.00	\$6,479,550
RANGE	2021	355,000	0.69 AUM*	244,950	\$16.00	\$3,919,200
	2020	355,000	0.70 AUM*	248,500	\$15.00	\$3,727,500
MISCELLANEOUS**	2021					\$2,150,000
	2020					\$2,200,000
TOTALS:	2021					\$13,898,210
	2020					\$13,415,050

<sup>\*</sup>AUM means Animal Unit Month (food required to feed a 1,000 pound steer for one month).

<sup>\*\*</sup>Miscellaneous includes alfalfa, barley, beans, corn, hay and oats.

#### **FOREST PRODUCTS**

TIMBER	2021	2020
Log Production (board feet)	83,183,000	114,458,000
Total Stumpage Value, net	\$33,806,835	\$48,105,513
Total Value at Mill, gross	\$67,128,681	\$93,855,560

- 1) Calendar year 2021 showed a decrease (Approx. 27.3%) in timber harvest volume when compared to 2020.
- 2) The average price for stumpage based on the information provided by the Board of Equalization is approximately **\$407/mbf** for reported timber harvested in Mendocino County.
- 3) Stumpage values were lower \$407/mbf for 2021 compared to \$420/mbf for 2020.
- 4) The combined value of delivered value at the mill includes both stumpage (\$407/mbf) and logging and hauling costs (approx. \$400/mbf) for a total value of \$807/mbf = \$67,128,681.
- 5) Mendocino County produced approximately 4.9% of the total timber produced in the State in 2021.
- 6) The State's reported total timber harvest volume for 2021 = 1,701,131 mbf. Compared to 2020 (1,469,093 mbf) represents roughly a 15.8% increase in total state harvest volume.
- 7) Mendocino County ranked 7th in the state in timber volumes for 2021. The top ranking counties in 2021 were Butte, Plumas, Humboldt, Siskiyou, Del Norte, Shasta and Mendocino.

# **10 YEAR COMPARISON (LOG PRODUCTION)**

<u>YEAR</u>	Log Production (Board Feet)	Value at Mill (Gross)
2021	83,183,000	\$67,128,681
2020	114,458,000	\$93,855,560
2019	120,288,000	\$109,582,368
2018	137,465,000	\$132,516,260
2017	120,460,000	\$102,000,000
2016	106,727,000	\$76,696,600
2015	121,701,000	\$83,730,300
2014	115,197,000	\$74,980,000
2013	111,574,000	\$66,051,800
2012	121,850,000	\$71,587,951
2011	89,795,000	\$59,085,110



#### SUSTAINABLE AGRICULTURE

#### **ORGANIC ACRES**

CROPS		ACRES
Wine grapes		4,863
Fruits & Nuts	( USDA )	451
Vegetables	ORGANIC	43
Pasture/Forage/Grain		20,545
Propagation		1
	TOTAL	25,903

#### **PEST EXCLUSION**

#### **Parcel Post & Truck Shipment Inspections**

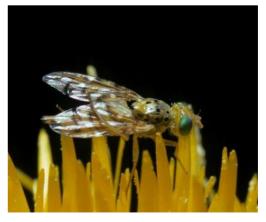
SHIPMENTS INSPECTED	<b>EXOTIC PESTS INTERCEPTED</b>	SHIPMENTS REJECTED
342	1	4

## **BIOLOGICAL CONTROL**

BIO-CONTROL AGENT	SCOPE OF PROGRAM
Bull Thistle Gall Fly	
Gorse Weevil	. Generally Distributed
Gorse Spider Mite	Generally Distributed
Italian Thistle Seed Head Weevil	Widely Distributed
Klamath Weed Beetles	Widely Distributed
Klamath Weed Root Borers	Widely Distributed
Puncture Vine Seed Weevil	Generally Distributed
Puncture Vine Stem Weevil	Generally Distributed
Tansy Ragwort Cinnabar Moth	Established
Tansy Ragwort Flea Beetle	
Yellow Starthistle Seed Head Weevil	Widely Distributed
Yellow Starthistle Gall Forming Fly	Widely Distributed
Yellow Starthistle Hairy Weevil	Generally Distributed
Yellow Starthistle Peacock Fly	

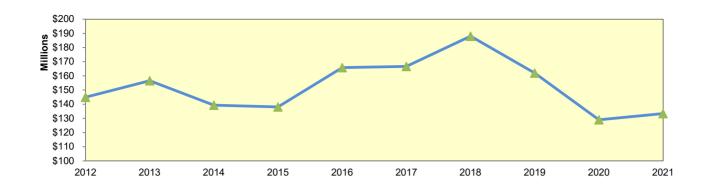


Gorse Seed Weevil Image by George Markin, USDA Forest Service, Bugwood.org



False Peacock Fly Image by Mark Schwarzlander, University of Idaho, Bugwood.org

# VALUE OF MENDOCINO COUNTY AGRICULTURE (EXCLUDING TIMBER) 2012-2021



## **MILLION DOLLAR CROPS**

WINE GRAPES	\$ 84,484,842
TIMBER	\$ 67,128,681
CATTLE & CALVES	\$ 18,453,440
PEARS	\$ 10,745,343
COMMERCIAL FISHING	\$ 9,062,051
PASTURE	\$ 6,849,810
RANGELAND	\$ 3,919,200
NURSERY	\$ 1,821,000

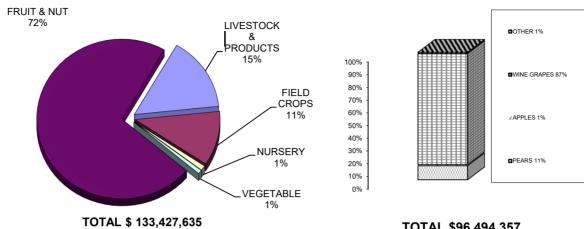


#### SHARES OF AGRICULTURAL VALUE

#### **ALL AGRICULTURE (EXCLUDING TIMBER)**

(Excludes Forest Products)

#### **FRUIT & NUT CROPS**



TOTAL \$96,494,357



#### **SUMMARY OF PRODUCTION**

COMMODITY	<u>2021</u>			<u>2020</u>
FRUITS AND NUTS	\$	96,478,985	\$	92,723,750
LIVESTOCK PRODUCTION	\$	18,453,440	\$	18,243,770 **
LIVESTOCK AND POULTRY PRODUCTS	\$	1,389,000 *	\$	1,430,280 *
NURSERY PRODUCTION	\$	1,821,000	\$	1,842,000
VEGETABLE CROPS	\$	1,387,000	\$	1,365,000
FIELD CROPS	\$	13,898,210	\$	13,415,050
FOREST PRODUCTS	\$	67,128,681	\$	93,855,560
TOTALS:	\$	200,556,316	\$	222,875,410 **

<sup>\*</sup>Milk production values were not available at the time of publication so were not included in the total.

<sup>\*\*</sup>Revised figure.

## SUPPLEMENT TO CROP REPORT: COMMERCIAL FISH CATCH

COMMODITY	TOTAL LBS	TO	OTAL VALUE
SALMON, CHINOOK	587,173	\$	4,038,246
CRAB, DUNGENESS	399,713	\$	1,910,351
SABLEFISH	823,758	\$	838,958
SOLE, PETRALE	616,966	\$	602,518
ROCKFISH, CHILIPEPPER	1,064,464	\$	355,216
SEA URCHIN, RED	252,696	\$	472,556
SOLE, DOVER	403,602	\$	156,410
LINGCOD	111,100	\$	163,691
ROCKFISH, BOCACCIO	417,602	\$	142,149
TUNA, ALBACORE	6,794	\$	14,774
MICELLANEOUS	394,105	\$	367,182
TOTALS:	5,077,973	\$	9,062,051



## **COMMERCIAL FISH CATCH TEN YEAR VALUE COMPARISON**

YEAR	POUNDS	 VALUE
2021	5,077,973	\$ 9,062,051
2020	4,442,999	\$ 6,512,952
2019	4,162,260	\$ 6,752,019
2018	4,758,204	\$ 9,322,768
2017	5,316,750	\$ 9,509,163
2016	4,255,270	\$ 7,664,567
2015	6,626,041	\$ 11,174,296
2014	8,857,427	\$ 14,356,515
2013	10,278,045	\$ 17,280,900
2012	8,884,029	\$ 15,680,257

Source - State of California Department of Fish and Wildlife All figures are rounded

# UKIAH 100 YEAR RAINFALL DATA (FROM UKIAH FIRE DEPARTMENT RECORDS)

Ls	SEASON_	TOTAL	SEASON	TOTAL		SEASON	TOTAL
	914-15	49.28	1954-55	25.63		1994-95	58.88
	915-16	34.80	1955-56	51.09		1995-96	44.10
	916-17	30.23	1956-58	32.36		1996-97	39.07
	917-18	23.43	1956-57	58.87		1997-98	63.95
	918-19	37.23	1958-59	26.42		1998-99	34.77
1	919-20	19.05	1959-60	32.60		1999-00	33.81
1	920-21	47.94	1960-61	34.89		2000-01	26.68
1	921-22	28.74	1961-62	31.46		2001-02	31.74
1	922-23	30.35	1962-63	44.45		2002-03	49.70
1	923-24	16.19	1963-64	24.96		2003-04	38.99
1	924-25	47.44	1964-65	50.84		2004-05	41.46
1	925-26	26.33	1965-66	35.46		2005-06	60.39
1	926-27	47.32	1966-67	43.16		2006-07	26.15
1	927-28	34.94	1967-68	32.95		2007-08	31.64
1	928-29	24.44	1968-69	51.28		2008-09	22.68
1	929-30	31.08	1969-70	48.71		2009-10	40.51
1	930-31	20.06	1970-71	38.31		2010-11	42.78
1	931-32	27.67	1971-72	25.61		2011-12	23.50
1	932-33	24.71	1972-73	42.09		2012-13	24.05
1	933-34	25.21	1973-74	57.09	*	2013-14	28.86
1	934-35	33.05	1974-75	38.60		2014-15	26.75
1	935-36	37.83	1975-76	18.75		2015-16	35.05
1	936-37	29.24	1976-77	14.20		2016-17	51.65
1	937-38	55.13	1977-78	53.66		2017-18	23.68
1	938-39	22.86	1978-79	30.23	**	2018-19	49.25
1	939-40	41.01	1979-80	44.79		2019-20	20.06
	940-41	56.92	1980-81	26.82		2020-21	19.62
	941-42	48.21	1981-82	55.82			
	942-43	40.41	1982-83	70.19			
	943-44	26.19	1983-84	43.76			
	944-45	31.74	1984-85	27.40			
	945-46	36.11	1985-86	48.68			
	946-47	25.90	1986-87	25.25			
	947-48	32.93	1987-88	30.22			
	948-49	27.53	1988-89	31.48			
	949-50	29.75	1989-90	26.91			
	950-51	42.28	1990-91	26.00			
	951-52 952-53	47.74 45.06	1991-92 1992-93	31.38 50.49			
	952-55 953-54	35.74	1992-93	23.73			
1 '				_00			

#### **FISCAL YEAR DATA**

<sup>\*</sup>Starting water year 2013-2014 (October 1 - September 30), data source changed from Ukiah Fire Department records to Ukiah Municipal Airport readings.

<sup>\*\*</sup>Starting water year 2018-2019 (October 1 - September 30), data source changed from Ukiah Municipal Airport to the Potter Valley weather station.

#### **FIVE YEAR VALUE COMPARISON**

#### \*\*ALL COMMODITIES\*\*

#### LIVESTOCK AND

YEAR	FRUIT/ NUTS	_	IVESTOCK RODUCTION	-	POULTRY RODUCTS	1	NURSERY PROD.	VEG PROD.	FIELD CROPS	TOTAL
2021	\$ 96,478,985	\$	18,453,440	\$	1,389,000	\$	1,821,000	\$ 1,387,000	\$ 13,898,210	\$ 133,427,635
2020	\$ 92,723,750	\$	18,243,770	\$	1,430,280	\$	1,842,000	\$ 1,365,000	\$ 13,415,050	\$ 129,019,850
2019	\$ 114,432,271	\$	18,575,700	\$	1,502,720*	\$	1,769,000	\$ 1,280,000	\$ 13,465,950	\$ 162,036,841
2018	\$ 152,631,600	\$	18,496,800	\$	1,389,000*	\$	1,619,000	\$ 1,120,000	\$ 13,037,960	\$ 188,294,360
2017	\$ 135,919,600	\$	18,735,000	\$	5,255,400	\$	1,564,000	\$ 1,085,000	\$ 12,454,000	\$ 175,013,000



#### **TOP TEN GRAPE VARIETY VALUES**

VARIETY	Acres Bearing	Acres Total	TONS	VALUE PER TON	TOTAL VALUE
Pinot Noir	2,844	2,889	7,517	\$3,104.00	\$23,332,768
Chardonnay	4,253	4,526	16,095	\$1,314.00	\$21,148,830
Cabernet Sauvignon	3,055	3,147	9,256	\$1,979.00	\$18,317,624
Zinfandel	1,617	1,625	3,471	\$1,793.00	\$6,223,503
Merlot	1,171	1,178	2,442	\$1,416.00	\$3,457,872
Sauvignon Blanc	696	732	2,370	\$1,426.00	\$3,379,620
Petite Sirah	537	537	1,297	\$2,000.00	\$2,594,000
Syrah	529	548	1,208	\$1,915.00	\$2,313,320
Grenache	117	133	445	\$2,193.00	\$975,885
Carignane	326	326	341	\$1,623.00	\$553,443

<sup>\*</sup>Milk production values were not available at the time of publication so were not included in the total.

2009 \$ 118,149,700 2010 \$ 116,191,400 2011 \$ 115,407,300 2012 \$ 144,962,700 2013 \$ 156,631,400 2014 \$ 139,295,900 2015 \$ 138,110,100 2016 \$ 165,837,100 2017 \$ 166,692,756 2018 \$ 188,012,110 2019 \$ 162,036,841 2020 \$ 129,019,850 2021 \$ 133,437,007

PEARS 11% APPLES 1% WINE GRAPES 87% OTHER 1%	11% 1% 87% 1%	10745343 11.1375 179172 0.185711 84484842 87.56813 1085000 1.124597 96478985	
LIVESTOCK & PRODUCTS FIELD CROPS	15% 11%	19,842,440 14.87131 13898210 10.41629	
NURSERY	1%	1821000 1.364785	

1%

72%

1387000 1.039515

96478985 72.3081

133,427,635

VEGETABLE

FRUIT & NUT