

Modoc County 2017 Annual Crop Report

“Where the West Still Lives!”



Modoc County
DEPARTMENT OF AGRICULTURE

202 West Fourth Street
Alturas, CA 96101

Agricultural Commissioner
Weights and Measures
Air Pollution Control Officer
Predatory Animal Control



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November 12, 2018

Karen Ross, Secretary

California Department of Food and Agriculture

Modoc County Board of Supervisors

In accordance with the provisions of Section 2279 of the California Food and Agricultural Code, I am pleased to submit the Modoc County Annual Crop Report for 2017. This report represents estimated acreage, yield, and gross value of agriculture products in Modoc County.

The gross agricultural receipts for 2017 totaled \$153,976,817.00. This represents a decrease of \$14,551,548.80 from, \$168,528,366.00 from the 2016 growing season. In 2017, federal and state grazing allotments permits were destroyed by multiple fires in Modoc County. The Farm Service Agency provided assistance to ranchers for grazing, water hauling, and fence repair.

The figures contained in this report represent gross values only, and do not reflect a net return to the producer or the cost of production. Also, the figures do not reflect an individual operation since the entire county is the smallest unit measure for any particular commodity.

I sincerely appreciate the efforts and cooperation of all the agricultural interest which provided production information. I especially thank department staff for compiling and producing the information publication.

Respectfully submitted,

Gary Fensler

Agricultural Commissioner/Sealer of Weights and Measures.

Department of Agriculture Weight & Measures Staff

| | |
|--|---------------|
| Agricultural Commissioner/Sealer of Weights & Measures | Gary Fensler |
| Agricultural Biologist | Jolene Moxon |
| Fiscal Officer | Susie Johnson |
| Noxious Weed Program & Shop Mechanic | Curtis Leslie |
| Noxious Weed Spray Crew | 8 people |

2017 Modoc County Board of Supervisors

| | |
|------------|------------------------|
| District 1 | David Allen |
| District 2 | Pat Cullins |
| District 3 | Kathie Rhoads Chairman |
| District 4 | Elizabeth Cavasso |
| District 5 | Geri Byrne Vice Chair |

General County Information

| | |
|-------------------------------|-------------|
| County Seat | Alturas |
| Population (2010) | 9,686 |
| Total Appraised Value (2016) | \$1,093,700 |
| Area of County (square miles) | 3,917.77 |
| Acres in County | 2,689,920 |

Major Farming Areas

Tulelake Basin

Surprise Valley

Adin

Lookout

New Pine Creek

Major Rivers

Lost River

Pit River

Ash Creek

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Field Crops

| Crop | Year | Harvested Acreage | Production per Acre | Total Production | Unit | Price per Unit | Total Value |
|--------------------------|------|-------------------|---------------------|------------------|------|----------------|---------------|
| Alfalfa Hay | 2017 | 32,458.21 | 6.5 | 210978.36 | Ton | \$170.00 | \$35,866,321 |
| | 2016 | 28,376 | 6.5 | 184,444 | Ton | \$140.00 | \$25,822,160 |
| | 2015 | 37,000 | 5.5 | 203,500 | Ton | \$190.00 | \$38,665,000 |
| Forage/Grain Hay | 2017 | 21,727 | 4.5 | 97,771.5 | Ton | \$110.00 | \$10,754,865 |
| | 2016 | 23,430 | 4.5 | 105,435 | Ton | \$80.00 | \$8,434,800 |
| | 2015 | 23,500 | 2.70 | 63,450 | Ton | \$200.00 | \$12,690,000 |
| Wheat | 2017 | 4,509.32 | 3.25 | 14,655.3 | Ton | \$170.00 | \$2,491,401 |
| | 2016 | 6,039 | 3.3 | 19,928.7 | Ton | \$118.00 | \$2,351,586.6 |
| | 2015 | 4,413 | 3.00 | 13,239 | Ton | \$153.00 | \$2,025,567 |
| Barley | 2017 | 5,041.36 | 2.3 | 11,595.13 | Ton | \$160.50 | \$1,861,018 |
| | 2016 | 4,895 | 2.57 | 12,580.15 | Ton | \$165.00 | \$2,075,716.5 |
| | 2015 | 3,560 | 2.5 | 8,900 | Ton | \$205.00 | \$1,824,500 |
| Meadow/Orchard Grass Hay | 2017 | 949 | 4.5 | 4270.5 | Ton | \$230 | \$982,215 |
| | 2016 | 20,000 | 5 | 100,000 | Ton | \$260.0 | \$26,000,000 |
| | 2015 | 20,000 | 1.75 | 35,000 | Ton | \$160.00 | \$5,600,000 |
| Mint | 2017 | 1,322.5 | 90 | 119,025 | lbs | \$20.00 | \$2,380,500 |
| | 2016 | 1,297 | 85 | 110245 | lbs | \$21.00 | \$2,315,145 |
| | 2015 | N/A | | | | | |
| Pasture - Irrigated | 2017 | 22,863.46 | | 250,000 | AUM | \$34.00 | \$8,500,000 |
| | 2016 | 25,053 | | 250,000 | AUM | \$33.00 | \$8,250,000 |
| | 2015 | 50,000 | | 250,000 | AUM | \$35.00 | \$7,500,000 |
| Rangeland | 2017 | 10,167.40 | | 336,000 | AUM | \$15.00 | \$5,040,000 |
| | 2016 | 15,551 | | 336,000 | AUM | \$20.00 | \$6,720,000 |
| | 2015 | 320,000 | | 336,000 | AUM | \$20.00 | \$6,720,000 |

Total Field Crops –

2017 – 99,038.25 Acres \$67,876,320.00

2016 - 124,977 Acres \$81,969,407.00

2015 - 485,473 Acres \$75,061,817.00

Note – Does not include federal and state grazing lands acres.

Seed Crops

| Crop | Year | Harvest Acres | Total Value |
|--------------|------|---------------|-------------|
| Peas Seed | 2017 | 25 | \$7,500 |
| Alfalfa Seed | 2017 | 55 | \$41,020 |
| Alfalfa Seed | 2016 | 30 | \$17,740 |

Total Seed Crops –

2017 – 80 Acres \$48,520.00

2016 - 30 Acres \$ 17,740.00

Vegetable/Specialty Crops

| Vegetable/Crop | Year | Acres | Production Per Acre | Total Units | Price Per Unit | Total Value |
|----------------|------|----------|---------------------|--------------------------|----------------|---------------|
| Potato | 2017 | 5,390.93 | 491.5 | 2,649,642 cwt | \$9.18 | \$24,323,713 |
| | 2016 | 4,810 | 462.5 | 2,224,625 cwt | \$10.75 | \$23,914,718 |
| | 2015 | 3,917 | 490 | 1,919,330 cwt | \$6.00 | \$11,515,980 |
| Dry Onion | 2017 | 1,152.06 | 460 | 529,947.6cwt | \$7.00 | \$3,709,633.2 |
| | 2016 | 1,396 | 500 | 698,000cwt | \$8.20 | \$5,723,600 |
| | 2015 | 938 | 500 | 469,000cwt | \$7.35 | \$3,447,150 |
| Garlic | 2017 | 143 | 140 | 20,020 cwt | \$20 | \$400,400 |
| | 2016 | 89 | 110 | 9,790 cwt | \$21 | \$1,076,900 |
| Horseradish | 2017 | 257.02 | 2.5 | 642.55 Ton | \$500.00 | \$321,275 |
| | 2016 | 243 | 2.5 | 607.5 Ton | \$500.00 | \$303,750 |
| Wild Rice | 2017 | 2,842.97 | 1,440.1 | 4,094,161 6,737,403.8 | \$0.659 | \$2,698,052 |
| | 2016 | 3,611 | 1,865.8 | # | \$0.972 | \$6,548,765.4 |

| | | | | | | |
|---------------|------|--------|-------|-------------|--------|-------------|
| Leafy Lettuce | 2017 | 210.00 | 9,000 | 1,890,000 # | \$1.16 | \$2,192,400 |
|---------------|------|--------|-------|-------------|--------|-------------|

Total Vegetable/Specialty Crop –

2017 – 9785.96 Acres \$33,649,473.00

2016 - 10,149 Acres \$16,057,414.00

2015 - 4,855 Acres \$14,963,130.00

Nursery Products

| Crop | Year | Total Value |
|---------|------|-------------|
| Nursery | 2017 | \$313,696 |
| Nursery | 2016 | \$316,117 |

Total Nursery Products –

2017 - \$313,696.00

2016 - \$316,117.00

Livestock & Poultry

| Crop | Year | Number of Head Sold | Total Live Weight | Value/cwt | Total Value |
|--------------------|------|---------------------|-------------------|---------------|----------------|
| All Cattle/ Calves | 2017 | 45,500 | 22,750,000 # | \$1.59 | \$36,172,500 |
| | 2016 | 45,500 | 22,750,000 # | \$1.55 | \$35,262,500 |
| | 2015 | 36,500 | 255,500 cwt | \$147.00 | \$37,558,500 |
| Cull Cows/Bulls | 2017 | 4000 | N/A | N/A | \$2,253,200 |
| | 2016 | 3965 | N/A | N/A | \$2,233,491.10 |
| Feeder Cattle | 2017 | 8500 | N/A | N/A | \$7,083,347.72 |
| | 2016 | 8525 | N/A | N/A | \$7,104,181.10 |
| Sheep/Lambs/Goats | 2012 | 14250 | N/A | \$1.45 (lamb) | \$20,662.5 |

Total Livestock Poultry –

2017- \$45,529,710.20

2016 - \$44,618,270.00

2015 - \$37,558,500.00

Note – Cattle come from Oregon to be sold. This does not include video sale cattle. The prices are based on average from cattle sale reports.

Apiary Products & Services

| Crop | Year | Production (# colonies) | Production of Honey | Total Value |
|------------|------|-------------------------|---------------------|-------------|
| Bees/Honey | 2017 | 1418 Hives | 16,640 | \$43,396 |
| | 2016 | 1058 Hives | 12,416 | \$24,832 |

Total Apiary Products & Services –

2017 - \$43,396.00

2016 - \$24,832.00

Timber Products

| Crop | Year | Volume/Production | Total Value |
|----------------|------|-------------------|-------------|
| Timber | 2017 | 40,734 | \$6,489,669 |
| | 2016 | 21,336 | \$3,988,975 |
| | 2015 | 71,419 | \$9,588,000 |
| Fire Wood | 2017 | | \$21,543 |
| | 2016 | | \$19,971 |
| | 2015 | | \$17,595 |
| Christmas Tree | 2017 | | \$4,490 |
| | 2016 | | \$5,311 |
| | 2015 | 554 | \$5,540 |

Total Timber –

2017 - \$6,515,702.00

2016 - \$4,014,257.00

2015 - \$9,611,135.00

Fallow Acres

| Crop | Year | Acres |
|-------------|------|----------|
| Fallow Land | 2017 | 16,753.3 |
| | 2016 | 14,663 |
| Fire Acres | 2017 | 85,000 |

Total Fallowed Land –

2017 101753.3 acres

No Drought in 2017

Note – Extreme fire season on federal and state grazing allotments permits.

Five – Year Tread

| Commodity | 2013 | 2014 | 2015 | 2016 | 2017 |
|----------------------------|---------------|---------------|---------------|---------------|-----------------|
| Field Crops | \$95,722,470 | \$84,433,788 | \$75,061,817 | \$81,969,407 | \$67,876,320 |
| Seed Crops | N/A | N/A | N/A | \$17,740 | \$48,520 |
| Veg/Specialty Crops | \$23,086,210 | \$23,333,784 | \$21,291,130 | \$37,567,733 | \$33,649,473 |
| Nursery Products | N/A | N/A | N/A | \$316,117 | \$313,696 |
| Livestock & Poultry | \$35,442,000 | \$45,131,750 | \$13,246,755 | \$44,618,270 | \$45,529,710.20 |
| Apiary Products & Services | N/A | N/A | N/A | \$24,832 | \$43,396 |
| Timber Products | \$12,252,280 | \$13,246,755 | \$9,611,135 | \$4,014,257 | \$6,515,702 |
| Totals | \$166,502,960 | \$166,146,077 | \$143,522,582 | \$168,528,366 | \$153,976,817 |

Agricultural Report

In accordance with Section 2272 of the California Food and Agriculture Code, the Agricultural Report provides a brief account of efforts being made to exclude or eradicate exotic pests and to best manage those with already exist in a manner most conducive to the protection of our environment.

Quarantine Inspections:

In 2017, 68 shipments of agricultural products where inspected for compliance with quarantine requirements, which resulted in no live detections of pests. These inspections included 0 border station hold notices.

Certified Farmer's Market

In 2017, there was one Certified Farmer's Market with 9 certificates issued.

Pest Prevention/Detection:

Modoc County's pest prevention program included pest detection trapping of exotic pests.



75 traps placed for Gypsy Moth throughout Modoc County. No detection



5 Traps placed for Japanese beetle throughout Modoc County. No detection.

Pest Management/Biological Control:

| Pest Management | Biological Control | Program Size |
|------------------------------------|---|-----------------------|
| Alfalfa Weevil – Hypera postica | Parastici wasps – Dibracnoides dyanstes Tetrastichus Incertus | Established |
| Aphides, ect. | C7 Ladybird Beetle Coccinella simiputata | Established |
| Spotted & Squarrose Knappweeds | Lesser Flower Weevil Larinus minutus | Established |
| Yellow Starthistle | Y.S.T Seedhead Weevil Bangosternus occidentalis Y.S.T Hairy Weevil Eustenopus villosus False Peacock Fly Chaetorellia succinea | Established |
| St. Johnswort – Klamath Weed | Klamath Weed Beetle Chrysolina sp. | Generally Distributed |
| Bull Thistle | Gall Gly 2 Urophora stylata | Release Sites |
| Cereal Leaf Beetle | | |

Noxious Weeds/Pest Eradication:

Modoc County encompasses approximately 2,689,920 acres, which are surveyed by our department for noxious weed list by California Department of Food and Agriculture. In 2017, 3 noxious weeds were under eradication and 6 species were under limited control treatment. The control agent was chemical/mechanical control. There were 185 sites and 7 regions/locations.

Eradication Species:

Scotch Thistle

Knapweed

Leafy Spurge

Limited Control Species:

Yellow Starthistle

Dalmatian Toadflax

Cripina

Russian Knapweed

Perennial Pepperweed

Organic Farming:

In 2017, Modoc County, had 34 organic growers and 2 organic handling/processing facilities. Organic farm land total was 27,100 acres including rangeland. Operations ranged for small gardens to livestock, field crop, and specialty crop operations.

Weights & Measures:

We work closely with the California Department of Food & Agriculture – Division of Measurement Standards to carry out vast majority of weights and measures enforcement activities. Ensuring fair competition for industry and accurate value comparison for consumers is the primary function of our program. Modoc County has 250 locations and 233 registered devices.

Gas Dispensers 115

Vehicle Meters 11

Computing Scales 15

Platform Scales 10

Hoppers 5

Livestock Scales 61

LPG Meters 7

Modoc County Export

Pest Exclusion:

Phytosanitary certificates are documents stating a said plant or plant products is free from pests and diseases, which are required by an importing county. Import requirements are designed to protect the importing countries agricultural industry from insects and diseases which have the potential to arrive with the shipment, and to ensure a higher quality product.

USDA Phytosanitary Certificates Issues: 13

Products exported to other countries: Horseradish Roots

Importing Countries: 0

State Phytosanitary Certificates Issued: 0

Modoc County Department of Agriculture would like to thank
all the contributors to the 2017 Crop Report.

Thank you!

Your support is much appreciated.

Modoc County – 2016 Annual Crop Report

<http://www.co.modoc.ca.us>