

# Oregon crops top \$5 billion in value

## Beef leads way in commodities

By STEVEN DUBOIS  
Associated Press

PORTLAND — For the second year in a row, beef is Oregon's No. 1 agricultural commodity.

The state Department of Agriculture this week released the list of Oregon's top 10 crop and livestock values for 2015. The commodities on the list are the same as the year before, except onions replaced hazelnuts.

Cattle and calves brought in \$914 million, down from \$922 million in 2014, edging greenhouse and nursery products for the top spot.

Agriculture Department spokesman Bruce Pokarney

said in a news release that the cattle industry is cyclical and prices have weakened in 2016: "Nonetheless, cattle and calves is expected to be a mainstay at or near the top all commodities in the foreseeable future."

Rounding out the top 10 for 2015 were hay, milk, grass seed, wheat, potatoes, pears, wine grapes and onions. Hay and milk retained their positions despite seeing their values drop by \$100 million and \$180 million, respectively.

Though ninth of the list, the wine grape sector has been the greatest gainer over the past decade. Pokarney said the production value for 2015 was \$147 million, an increase of more than 300 percent since 2005.

Outside the top 10, three commodities that have shown

tremendous growth in the last decade are blueberries, eggs and apples. Oregon harvested a record 97 million pounds of blueberries last year, satisfying demand for the berry that has a reputation as a superfood. The Oregon crop value is up about 250 percent since 2005.

As for apples, Pokarney said the growing popularity of ciders is perhaps why the value of production has spiked 131 percent since 2005.

The state produces more than 220 agricultural commodities and the overall crop value for 2015 was \$5.4 billion, similar to 2014. Only one of Oregon's top 20 commodities, Christmas trees, has declined in production value over the past decade, and it's only down 2 percent.

# 'Crazy snake worm' unearthed in Oregon

## Invasive species could impact forest water retention

By MATEUSZ PERKOWSKI  
Capital Press



Courtesy of Oregon Department of Agriculture  
Close-up image of the "Asian jumping worm." The state confirmed that the worm, *Amyntas agrestis*, was found in Clackamas and Josephine counties in 2016.

A new invasive species, known as the "crazy snake worm" or "Asian jumping worm," has been unearthed for the first time in Oregon.

The state Department of Agriculture has confirmed that the worm, *Amyntas agrestis*, was found in Clackamas and Josephine counties this year.

The significant distance between the two discoveries likely indicates the species is probably found elsewhere in Oregon as well, said Clint Burfitt, manager of the state's insect pest prevention and management program.

Residential landowners turned the worms over to officials from Department of Agriculture and the state Department of Fish and Wildlife after noticing its vigorous flipping.

"The behavior is very distinctive," Burfitt said. "Earthworms aren't known for their

energetic behavior, but this one is."

The worm's detrimental effects on forest health have also been causing growing concern in the Great Lakes region and the East Coast, said Jim Labonte, a Department of Agriculture entomologist.

"There's beginning to be a lot of attention to be paid to this there," he said.

Several pathways may be responsible for the worm's movement, including earth-moving equipment, compost and fishermen, he said. The species reproduces asexually, so not many individuals are necessary for an established population.

By rapidly consuming the detritus along the forest floor, the worms remove the protective layer that plant seeds need to sprout and outcompete other

animals that depend on this habitat.

"That affects the forest's ability to regenerate," said Burfitt.

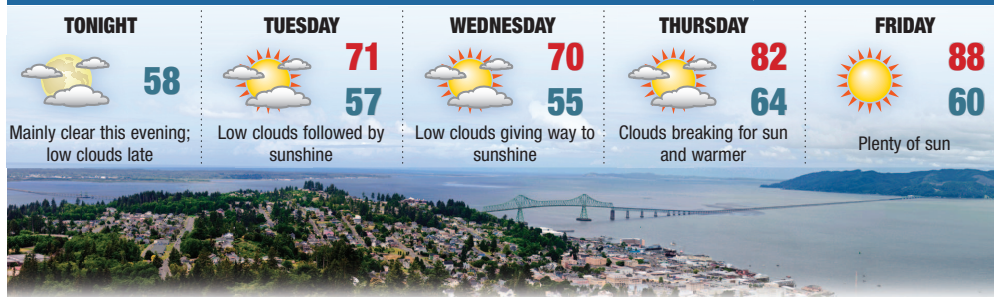
Bare soil isn't as effective as retaining water, allowing it to run off more quickly — potentially having an impact on agriculture, said LaBonte.

The change in soil structure also disrupts nutrient cycling, harming the forest's health over time, he said.

At this point, though, it's unknown whether these impacts will be experienced in Oregon as they have elsewhere in the U.S., since the forest type and climate here are different, LaBonte said.

"When you're making projections, it's easy to go to, 'The sky is falling,'" he said. "Sometimes that happens, sometimes it doesn't."

### FIVE-DAY FORECAST FOR ASTORIA



#### ALMANAC

Astoria through Sunday.

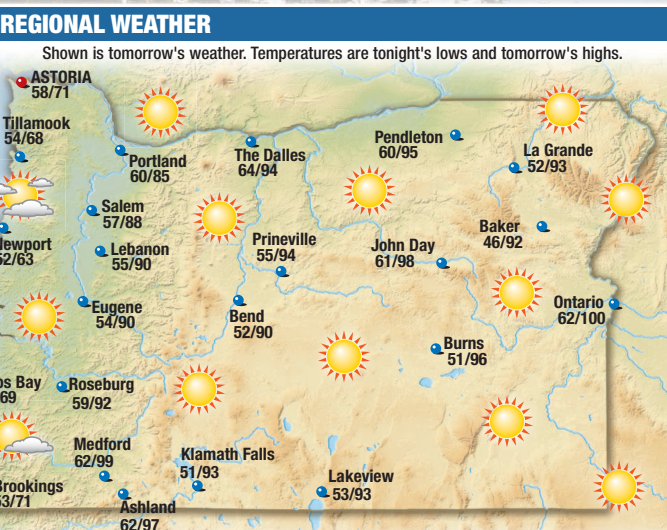
**Temperatures**  
 High/low ..... 68°/57°  
 Normal high/low ..... 69°/53°  
 Record high ..... 90° in 1942  
 Record low ..... 44° in 1984

**Precipitation**  
 Sunday ..... 0.00"  
 Month to date ..... 0.40"  
 Normal month to date ..... 0.39"  
 Year to date ..... 40.74"  
 Normal year to date ..... 37.58"

#### SUN AND MOON

Sunset tonight ..... 8:24 p.m.  
 Sunrise Tuesday ..... 6:16 a.m.  
 Moonrise today ..... 6:34 p.m.  
 Moonset today ..... 3:25 a.m.

Full Last New First  
 Aug 18 Aug 24 Sep 1 Sep 9



#### UNDER THE SKY

Tonight's Sky: The constellation of Orion is visible just before sunrise in the east.

Source: Jim Todd, OMS

#### TOMORROW'S TIDES

Astoria / Port Docks

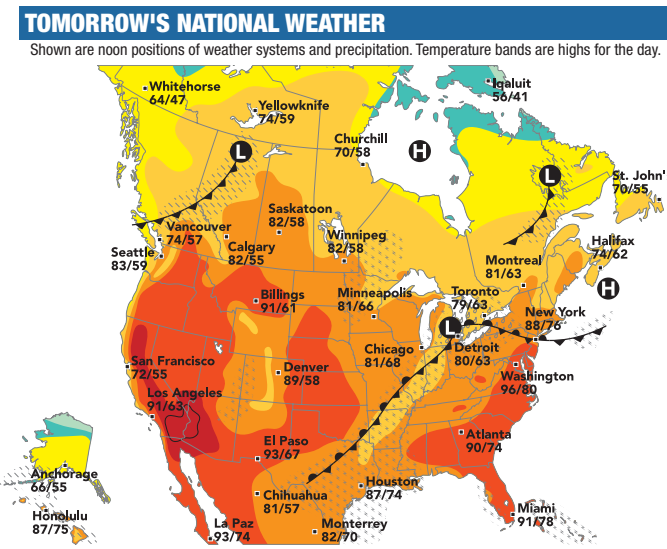
Time	High	Low
1:23 p.m.	7.1 ft.	7:00 a.m. -0.7 ft.
none	6:56 p.m.	2.0 ft.

#### NATIONAL CITIES

City	Today	Tues.
Atlanta	92 73 t 90 74 pc	
Boston	87 71 r 83 72 t	
Chicago	79 68 r 81 68 c	
Denver	90 58 s 89 58 t	
Des Moines	83 66 pc 85 68 s	
Detroit	81 69 c 80 63 r	
El Paso	90 65 s 93 67 s	
Fairbanks	72 53 c 69 55 c	
Honolulu	87 75 pc 87 75 pc	
Indianapolis	79 72 r 77 68 r	
Kansas City	84 64 pc 87 66 s	
Las Vegas	108 82 s 109 81 s	
Los Angeles	92 65 s 91 63 s	
Memphis	87 74 t 82 73 t	
Miami	91 79 pc 91 78 pc	
Nashville	92 74 t 88 73 t	
New Orleans	90 80 t 89 78 t	
New York	91 77 pc 88 76 t	
Oklahoma City	89 63 pc 90 65 s	
Philadelphia	94 78 pc 94 79 t	
St. Louis	77 70 r 84 70 c	
Salt Lake City	97 70 pc 98 71 s	
San Francisco	71 54 pc 72 55 pc	
Seattle	83 59 s 83 59 s	
Washington, DC	95 78 pc 96 80 t	

#### REGIONAL CITIES

City	Today	Tues.
Baker City	91 46 s 92 48 s	
Bend	90 52 s 90 52 s	
Brookings	69 53 pc 71 54 pc	
Eugene	91 54 s 90 52 s	
Ilwaco	65 58 pc 67 56 pc	
Klamath Falls	92 51 s 93 53 s	
Medford	99 62 s 99 62 s	
Newberg	86 55 s 87 54 s	
Newport	62 52 pc 63 51 pc	
North Bend	65 53 pc 67 53 pc	
Olympia	83 53 s 84 51 s	
Pendleton	95 60 s 95 60 s	
Portland	85 60 s 85 61 s	
Roseburg	93 59 s 92 59 s	
Salem	90 57 s 88 56 s	
Seaside	67 58 pc 68 56 pc	
Spokane	92 62 s 92 63 s	
Springfield	89 55 s 90 53 s	
Vancouver	85 59 s 86 58 s	
Yakima	97 59 s 99 61 s	



## Tribes can gather national park plants under new rule

Associated Press

PHOENIX — Tribes can begin entering into agreements with the National Park Service to allow their members to pick plants on protected land under a new federal rule.

The rule announced in June by Interior Secretary Sally Jewell went into effect Thursday.

Under the rule, tribes must have a culturally significant tie to the land that makes up

a national park in order for its members to harvest foliage that grows there. And Native Americans or Alaskan Natives must use the plants for traditional reasons, such as using a root for medicinal purposes, or branches or bark to make a basket.

There are 58 national parks in the U.S., with some covering vast expanses within proximity to some of the nation's largest Indian reservations.

## LOTTERIES

**OREGON**

**Sunday's Pick 4:**  
 1 p.m.: 2-8-8-9  
 4 p.m.: 5-8-8-1  
 7 p.m.: 8-8-4-8  
 10 p.m.: 3-5-4-6

**Saturday's Megabucks:**  
 2-6-13-18-29-47  
 Estimated jackpot: \$8.7 million

**Saturday's Powerball:**  
 44-60-64-69, Powerball: 6  
 Estimated jackpot: \$94 million

**Saturday's Pick 4:**  
 1 p.m.: 2-2-2-9  
 4 p.m.: 9-5-5-3  
 7 p.m.: 0-1-1-5  
 10 p.m.: 2-7-5-4

**Friday's Pick 4:**  
 1 p.m.: 7-4-0-7  
 4 p.m.: 2-5-6-5  
 7 p.m.: 0-0-6-7  
 10 p.m.: 0-3-6-2

**WASHINGTON**

**Sunday's Daily Game:** 7-7-9  
**Sunday's Keno:** 11-12-17-21-26-27-37-38-40-41-47-50-52-54-56-65-73-77-78-80  
**Sunday's Match 4:** 04-06-07-14  
**Saturday's Daily Game:** 0-7-8  
**Saturday's Hit 5:** 01-04-10-28-32  
 Estimated jackpot: \$300,000  
**Saturday's Keno:** 04-05-08-12-19-28-35-36-41-50-58-61-65-66-70-71-75-76-78-80  
**Saturday's Lotto:** 06-17-29-30-42-48  
 Estimated jackpot: \$4.3 million  
**Saturday's Match 4:** 03-19-22-23  
**Friday's Daily Game:** 4-4-1  
**Friday's Keno:** 01-08-10-13-15-16-17-21-23-25-30-42-58-60-61-63-70-71-72-78  
**Friday's Match 4:** 04-05-20-23  
**Friday's Mega Millions:** 04-41-44-56-69, Mega Ball: 10  
 Estimated jackpot: \$45 million

## MEMORIAL

Saturday, Aug. 20

SMOTHERMAN, Kelly Edward — Celebration of life at 1 p.m., Warrenton High School, 1700 S. Main Ave. in Warrenton. Smotherman, 53, of Warrenton, died Tuesday, Aug. 9, 2016, in Valdez, Alaska.

## DEATH

Aug. 14, 2016

MASON, Hugh, 76, of Warrenton, died in Warrenton. Caldwell's Luce-Layton Mortuary in Astoria is in charge of the arrangements.

## PUBLIC MEETINGS

**MONDAY**  
**Cannon Beach Watershed Council,** 4:30 p.m., City Hall, 163 E. Gower St.  
**Astoria City Council,** 7 p.m., City Hall, 1095 Duane St.

**TUESDAY**  
**Cannon Beach Public Works Committee,** 9 a.m., City Hall, 163 E. Gower St.  
**Sunset Empire Parks and Rec District,** 4 p.m., 1225 Ave. A, Seaside.  
**Clatsop County Human**

**Services Advisory Council,** 4 to 5:30 p.m., 800 Exchange St., Room 430.  
**Port of Astoria Commission,** 5 p.m., executive session (closed to public), 6 p.m., regular meeting, 10 Pier 1, Suite 209.  
**Historic Landmarks Commission,** 5:15 p.m., City Hall, 1095 Duane St.  
**Shoreline Sanitary District Board,** 7 p.m., Gearhart Hertig Station, 33496 West Lake Lane, Warrenton.

**WHY TRAVEL? WE HAVE ONE OF THE MOST SUCCESSFUL AND PREDICTABLE SYSTEMS AVAILABLE!**

**Klemp Family Dentistry offers Implants • CT scan Same day dentures**

**Guided implant placement** **All on 4 implant denture**

**X-Rays**

**Before implants** **Implants in progress** **After implants and veneers**

**KLEMP FAMILY DENTISTRY**  
 1006 West Marine Drive, Astoria  
 (503) 468-0116  
 www.klempfamilydentistry.com

### OBITUARY POLICY

The Daily Astorian publishes paid obituaries. The obituary can include a small photo and, for veterans, a flag symbol at no charge. The deadline for all obituaries is 9 a.m. the business day prior.

Obituaries may be edited for spelling, proper punctuation and style. Death notices and upcoming services will be published at no charge. Notices must be submitted by 9 a.m. the day of publication.

Obituaries and notices may be submitted online at [www.dailyastorian.com/forms/obits](http://www.dailyastorian.com/forms/obits), by email at [ewilson@dailyastorian.com](mailto:ewilson@dailyastorian.com), placed via the funeral home or in person at The Daily Astorian office, 949 Exchange St. in Astoria. For more information, call 503-325-3211, ext. 257.

**The Daily Astorian**  
 Established July 1, 1873 (USPS 035-000)

Published daily, except Saturday and Sunday, by EO Media Group, 949 Exchange St., PO Box 210, Astoria, OR 97103 Telephone 503-325-3211, 800-781-3211 or Fax 503-325-6573. POSTMASTER: Send address changes to The Daily Astorian, PO Box 210, Astoria, OR 97103-0210

www.dailyastorian.com

**SUBSCRIPTION RATES**  
 Effective July 1, 2015

HOME DELIVERY	MAIL
EZpay (per month).....\$11.25	EZpay (per month).....\$16.60
13 weeks in advance.....\$36.79	13 weeks in advance.....\$51.98
26 weeks in advance.....\$70.82	26 weeks in advance.....\$102.63
52 weeks in advance.....\$135.05	52 weeks in advance.....\$199.90

Circulation phone number: 503-325-3211  
 Periodicals postage paid at Astoria, OR

**ADVERTISING OWNERSHIP**  
 All advertising copy and illustrations prepared by The Daily Astorian become the property of The Daily Astorian and may not be reproduced for any use without explicit prior approval.

**COPYRIGHT** ©  
 Entire contents © Copyright, 2016 by The Daily Astorian.  
 Printed on recycled paper