

Halloween planner: parties, patches, kids' fun and more 2S



Bulldogs-UNLV preview: Look who's coming home 1B



SAVE UP TO
\$330
IN COUPONS
SUNDAY

VOLUME 190, No. 35313
STAY CONNECTED FRESNOBEE.COM

[FACEBOOK.COM/FRESNOBEE](https://www.facebook.com/fresnobee)
[TWITTER.COM/FRESNOBEE](https://twitter.com/fresnobee)

NEWS ALL DAY.
YOUR WAY.

FRIDAY OCTOBER 18 2019

\$1.50

Clear
73°/49° See 12B

The Fresno Bee



Long-thought dormant fault showing movement

BY RONG-GONG LIN II
Los Angeles Times

A major Southern California fault capable of producing a magnitude 8 earthquake has begun moving for the first time on record, a result of this year's Ridgecrest earthquake sequence destabilizing nearby faults, Caltech scientists say in a new study released in the journal *Science* on Thursday.

In the modern historical record, the 160-mile-long Garlock

fault on the northern edge of the Mojave Desert has never been observed to produce either a strong earthquake or even to creep – the slow movement between earthquakes that causes a visible scar on the ground surface. But new satellite radar images now show that the fault has started to move, causing a bulging of land that can be viewed from space.

"This is surprising, because we've never seen the Garlock fault do anything. Here, all of a sudden, it changed its beha-

MORE INSIDE

Gilroy area shakes again 2A

rior," said the lead author of the study, Zachary Ross, assistant professor of geophysics at Caltech. "We don't know what it means."

The observations reported are another piece of evidence that illustrates a widely persistent myth that circulates in California and beyond – that quakes like the Ridgecrest temblors are somehow a good thing that



ROBERT GAUTHIER Los Angeles Times file

Buckled asphalt in a parking lot in Argus after the Ridgecrest earthquakes in July.

makes future quakes less likely. In fact, generally speaking, earthquakes make future earthquakes more likely. Most of the

time, the follow-up quakes are smaller. But occasionally,

SEE GARLOCK FAULT, 4A

Some farm crops left to rot, study shows, while families face hunger

BY MANUELA TOBIAS
mtobias@fresnobee.com

Maximina Molina Sanchez is worried about going hungry this winter.

She depends on the food bank in Huron to feed her husband and two kids. But with most agricultural workers out of jobs during the winter, demand is bound to increase, and she worries the food won't suffice.

Sanchez and her family are among the 22% of people in Fresno County who could not afford the groceries they needed in the past year. Fresno ranks third in the country for food insecurity, according to the Food Research and Action Center.

At the same time, the county leads the nation in agricultural production. And a new study from Santa Clara University revealed that a whopping one-third of the hand-picked crops grown in the state are left to rot in the field.

Food banks are addressing shortages on a piecemeal basis and startups are expanding sales avenues for farmers' surplus. But there is no solution in sight to bridge the food insecurity and crop overproduction that plague the Central Valley because it takes money and labor to harvest the surplus produce and haul it to food banks.

Todd Hirasuna, vice president of Sunnyside Packing Company in Selma, said he was not surprised by the study's finding. The company regularly leaves a third of its produce in the field.

"When you lump the whole Valley together, it's a pretty staggering number at the end of the day," Hirasuna said.

HUNGER IN THE VALLEY

The U.S. Department of Agriculture estimated that 10.6% of households across the state



JOHN WALKER jwalker@fresnobee.com

Cannon Michael, President of Bowles Farming Company of Los Banos, is looking for solutions to alleviate after-harvest surplus, such as tons of tomatoes left in one of their fields. An estimated one-third of hand-harvested crops are left to rot in the field after each season.

were food insecure in 2018. In 2016, over a fifth of Fresno residents received food stamps and 10.6% of Californians. It's unclear whether those are the same groups of people. However, according to the Food Research and Action Center, people on food stamps may still be food insecure because the aid doesn't always cover the cost of the food they need. And many families experiencing food insecurity have incomes higher than the CalFresh threshold.

Second Harvest Food Bank of Silicon Valley found that 27% of residents in Santa Clara and San

Mateo counties are at risk of hunger – yet live next to two of the most productive agricultural valleys in the country.

The food bank brought up the issue with food waste researchers at Santa Clara University, who in turn quantified the amount of surplus in those fields.

"We wondered whether there may be some opportunities to salvage the food left in the fields and direct it to people on food assistance," said Greg Baker, executive director of the

SEE CROP STUDY, 3A



JOHN WALKER jwalker@fresnobee.com

Rafael Santos picks eggplants for Sunnyside Packing in a field at Sanger in September.

LOCAL

PARKING METER APP ON PHONE

Leave your coins at home. There's a new way to pay for parking in downtown Fresno. 2A



WORLD

TURKEY-SYRIA DEVELOPMENT

The U.S. and Turkey agree to a cease-fire in the Turks' attacks on Kurdish fighters in northern Syria. 9A



NATION

POWERFUL DEMOCRAT DIES

Rep. Elijah Cummings was a central figure in the impeachment inquiry of President Trump. 10A

CUSTOMER SERVICE

To subscribe or report delivery issues,
800-877-3400 or fresnobee.com/customer-service

Business
Classified
Comics

6B
7B
10B

Lottery
Obituaries
Opinion

2A
10A
11A

Puzzles
Sports
TV

10B
1B
9B

