

Kona Cooperative Extension - Events and Announcements Newsletter

Volume 1: January 2019

Dear Growers and Friends,

El Niño Watch

According to NOAA's Climate Prediction Center/NCEP/NWS and the International Research Institute for Climate and Society, [a weak to moderate] El Niño is expected to form and continue through the Northern Hemisphere winter 2018-19 (~90% chance) and through spring (~60% chance).
(<http://www.cpc.ncep.noaa.gov/> and <https://bit.ly/1I5XUb3>)

So, what does this have to do with Hawaii and farming?











Although we saw some rainfall during the summer and early fall months, we will see a decline in rainfall from about November to February. We may experience very dry conditions depending on the intensity of the El Niño event. Usually, the rains return to normal the following July.

Be sure that plants (and animals) receive adequate water, especially when potted. For coffee and other fruit and nut trees, monitor the need for irrigation particularly if fruits remain on the tree and are continuing to develop and mature. A lack of rain/irrigation could cause fruits and nuts to abort or lack in size, juice, and flavor. During droughts and dry weather, you may see trees declining, showing signs of leaf yellowing and leaf drop, droopy/flagging leaves, dullness of leaf color, and abortion of developing flowers and young fruit. In severe conditions, trees may need to be provided irrigation to avoid tree losses. Watch for added pest and disease pressure resulting from tree stress and treat as needed.

Every El Niño Differs!

The strengths and impacts of these events vary greatly making constant monitoring and awareness extremely important for decision makers to help you be prepared.

Summary for Hawai'i

		Rainfall	More rain in beginning of season, then rapidly less; drier wet-season
		Trade-winds	Weaker, with occasional westerly winds
		Sea Level	Near to slightly above normal; high run-up from distant swells
		Ocean Conditions	Much warmer at and below the surface
		Tropical Cyclones	Increased risk, storms form closer to & move towards the islands

Learn more about the impact of El Niño in Hawaii at:

- Pacific Region Fact Sheet - <https://bit.ly/2Ag5q2Y>
- NOAA One-pager - <https://bit.ly/2SI45PI>
- North Ops Monthly/Seasonal Outlook - <https://bit.ly/2SswTpj>

Here are some resources for weather and climate data that may be near your farm or location.

USDA NRCS

site_name	start	lat	lon	elev	county	huc
Island Dairy (2100)	2005-February	20.00	-155.29	1160	Hawaii	Kaula Gulch (200100000206)
Kainaliu (2096)	2005-February	19.53	-155.93	1364	Hawaii	Keauhou Bay (200100001102)

Kemole Gulch (2103)	2005-February	19.91	-155.59	4163	Hawaii	Kemole Gulch (200100001403)
Kukuihaele (2097)	2005-February	20.10	-155.51	947	Hawaii	Kahaupu Gulch (200100000203)
Mana House (2102)	2005-February	19.96	-155.54	4234	Hawaii	Waipunahoe Gulch (200100000202)
Pua Akala (2098)	2005-February	19.79	-155.33	6394	Hawaii	Ainahou (200100000405)
Silver Sword (2101)	2005-February	19.77	-155.42	9324	Hawaii	Waiaama Gulch (200100000401)
Waimea Plain (2099)	2005-February	20.01	-155.60	3039	Hawaii	Waiulili Stream (200100000201)

<https://wcc.sc.egov.usda.gov/nwcc/yearcount?network=scan&counttype=stalist&state=HI>
(Copy and paste this "Island Dairy" web address below to your browser. Change the 4-digit numbers in the link to view a different site. <https://wcc.sc.egov.usda.gov/nwcc/site?sitenum=2100&state=hi>)

UH Manoa Geography Department's Rainfall Atlas of Hawaii

<http://rainfall.geography.hawaii.edu/interactivemap.html>

View current and inactive weather station data and other rainfall, climate evapotranspiration, and solar radiation information.

Watch the news and check **NOAA** (<https://bit.ly/2BI1Yy1>), though there seems to be limited current information from sites other than airport stations. Also, check **Weather Underground** for Hawaii Island (<https://bit.ly/2CzUMWd>) and search for your location. Quite a few stations should show up on your screen. These may not be as accurate as some weather stations, but you might see a trend that is helpful.

Always be on the lookout for changing weather (and water) conditions. Be safe and have a Happy New Year!

-Andrea

UH CTAHR Cooperative Extension Offices will be closed on the following days:

Tuesday, January 1st, in observance of New Year's Day

Monday, January 21st, in observance of Martin Luther King Jr. Day

Visit <https://www.hawaiicoffee.com/events-and-announcements> for additional information

on the following events, announcements and more.

CTAHR HI Island: 2-day Pesticide Risk Reduction Education short course on April 11-12, 2019

Charles Nagamine will be offering a 2-day Pesticide Risk Reduction Education short course on April 11-12, 2019. He is willing to let a few CTAHR HI island employees take this 2-day course free of charge.

Location: Komohana REC, Room D-202

Dates: April 11-12, 8:00 a.m to 4:30 p.m.

If you are interested in attending this 2-day course please contact Susan Miyasaka at miyasaka@hawaii.edu

Position Announcement - CTAHR ADSC Manager

Position #: 79537
Position Title: Research Support (ADSC Manager)
Closing Date: January 15, 2019

Work at UH link:
<https://bit.ly/2Scdo44>

University of Hawai'i NEOGOV:
<https://bit.ly/2A8RLdK> and Search 79537

UH NEOGOV Direct link:
<https://bit.ly/2EGCUv4>

Applicants will need to apply online with NEOGOV.

ADSC Skeleton Crew During the Holidays

During the holiday season, the ADSC crew will be on a skeleton crew. Samples received on December 19th or later will not be completed until early January.

Hilo ADSC Clinic Closed

The Hilo ADSC Clinic will be closed from Friday, December 21st, 2018 until Tuesday, January 1st, 2019. Please plan your submissions accordingly. Samples being sent to Manoa will be sent out on Wednesday, December 26th.

HDOA News Release

Here is a link to a news release on the appointment of HDOA's Plant Industry Division: <https://bit.ly/2GyalfA>

Oahu Cooperative Extension: New Faces, New Positions and New Year

Visit <https://conta.cc/2LvaiFz> to view the newsletter. In this issue:

- Wild Animal Deterrent Field Day Summary
- Mamaki: Increased Transplant Success
- Save the Date: January 28, 2019 - Basil Workshop
- Recruitment for Administrative, Professional, Technical, Position for the Sustainable and Organic Agriculture Program
- Director of ADSC
- Lettuce Downy Mildew Management
- Cacao Protective Cage Video
- Recruiting: Mohala Farms: Farm Manager
- Bayer Community Meeting in Kunia - Tuesday, January 8, 2019 7 pm

CTAHR Notes

Visit <https://bit.ly/2sQZ0DE> for CTAHR Notes: Issue 389, December 21, 2018
This week's issue includes:

- Convocation Winter 2018
- Heart Hero
- On Their Turf
- New Partners Against ROD
- Nalo Kalikimaka

Visit CTAHR News for the articles: cms.ctahr.hawaii.edu/News
