



Hawaii Weekly Crop Weather Report

National
Agricultural
Statistics
Service

Week ending: February 13, 2011

In Cooperation with the Hawaii Department of Agriculture

Hawaii Field Office · 1428 South King Street · Honolulu, HI 96814-2512 · 1-800-804-9514 · www.nass.usda.gov

Localized Showers



Weather Review

The week presented mixed weather conditions, none that were of heavy detriment to farmers. Mostly localized rains were heavy but brief. Despite some sweeping showers, skies were partly cloudy for the most part with rains favoring upper elevation and windward areas. Hazy conditions were also present during the week as winds were light and variable. A continued lack of rain on the windward side of the Big Island caused abnormally dry [D0] conditions to be introduced to that side.

HIGHLIGHTS: A record daily maximum rainfall of 1.6 inches was set at Kahului [Maui] on Friday, February 11th. This broke the old record of 1.3 inches in 1975. **IN ADDITION:** A record high temperature of 85 degrees Fahrenheit was set at Hilo [Hawaii] on Thursday, February 10th. This broke the old record of 84 set in 1998.

Hawaii County

Rainfall was generally sparse for the Big Island with showers concentrated between Monday and Wednesday. The normally wetter windward side received few showers during the week, which went in turn with its newly introduced drought rating. The

Waimea Irrigation System water level was marked at 47.5 feet on Friday, February 11th; a decrease of 4 percent from the previous week's reading of 49.5 feet. The current conservation status is unrestricted.

Maui County

Localized showers were present throughout week on Maui as cloudy to partly cloudy skies dominated the weather. The Molokai Irrigation System water level was marked at 18.5 feet on Friday, February 11th; no change from last week Thursday's reading. **Phase III mandatory conservation measures remained in effect. Measures included a MANDATORY 30 percent conservation in usage from all non-homestead users.** *Interesting fact: The record low for monthly precipitation in February at the Kahului airport occurred in 2000 when .06 inch of rain fell over the month.*

Honolulu County

Honolulu County received showers throughout the week in varying locations. Early in the week, showers were widespread across the Island of Oahu. After a brief lull mid week showers were again present over the weekend in some areas. Showers were mostly concentrated to windward areas, and were not as widespread as earlier in the week. The Waimanalo Irrigation System water level was marked at 55 feet on Friday, February 11th; an increase of

4 percent from the previous week's reading of 53 feet. **Phase I modified mandatory water conservation measures remained in effect. Measures included a MANDATORY 10 percent reduction in use and water services limited to weekdays, 24 hours a day, with no weekend services.**

Kauai County

Kauai County saw light but fairly consistent showers throughout the week in most areas. Light showers generally did not lead to heavy penetrating rains but were enough to leave most areas with adequate soil moisture.



Agricultural Highlights

Orchards

Orchards remained in fair to good condition. Orchards located on the Big Island and other drier areas were in mixed condition depending on irrigation. No other adverse conditions presented themselves during the week.

Vegetables

Crops were in fair condition throughout the week. Light rains were beneficial for crop progress. Where there was little rain, crops were in mixed condition.

Livestock and Pasture

Pasture conditions varied Statewide by the end of the week. While some pastures in the State received heavier downpours, other areas received little rain.

Mark Hudson, Director

Larry Chun, Agricultural Statistician

U.S. Drought Monitor

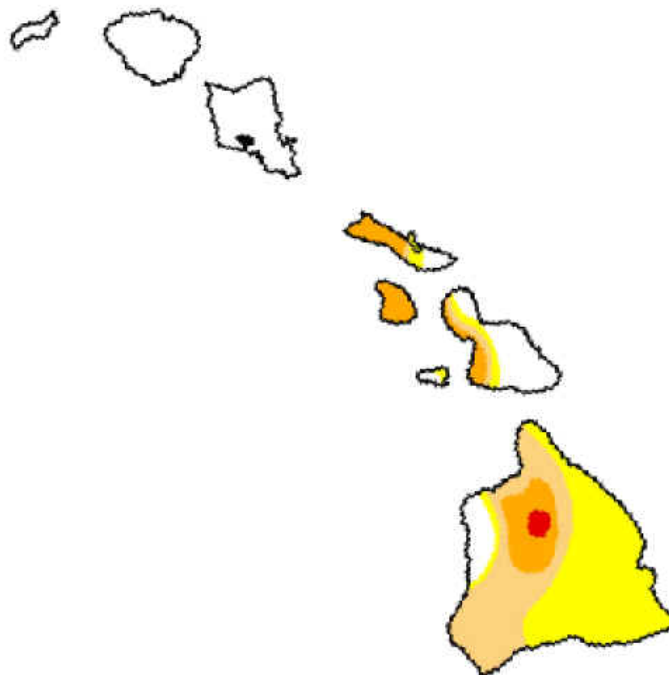
Hawaii

February 8, 2011

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	31.37	68.63	35.99	13.68	1.00	0.00
Last Week (02/01/2011 map)	44.34	55.66	35.99	13.68	1.00	0.00
3 Months Ago (11/09/2010 map)	32.95	67.05	50.64	37.01	16.81	2.62
Start of Calendar Year (12/28/2010 map)	46.22	53.78	36.40	20.50	2.43	0.00
Start of Water Year (09/28/2010 map)	2.19	97.81	73.89	46.79	31.55	5.11
One Year Ago (02/02/2010 map)	0.45	99.55	77.06	36.90	13.02	0.00



Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



Released Thursday, February 10, 2011

M. Rosencrans, CPC/NOAA

<http://drought.unl.edu/dm>

Monthly Trend for Selected Stations

Comparison of 2011 cumulative monthly and annual totals with average monthly totals for selected stations. ^{1/}

Station name		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
<i>Inches</i>														
Island of Hawaii														
1. Kamuela	2011	1.6 _p	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9 _p
	Average	6.6	6.0	7.9	6.9	4.0	2.2	3.7	4.1	2.2	3.3	5.8	7.3	60.0
2. Kealahou	2011	1.0 _p	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5 _p
	Average	4.7	3.4	5.6	6.2	7.7	8.2	8.7	8.3	8.2	6.2	4.4	3.4	75.0
3. Laupahoehoe	2011	4.1 _p	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6 _p
	Average	13.5	13.2	19.5	18.9	11.7	6.2	10.0	12.4	6.9	9.3	13.6	14.8	150.0
4. Mt. View	2011	7.1 _p	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8 _p
	Average	14.1	13.6	19.6	18.0	13.1	9.4	12.8	14.6	10.7	12.1	15.8	16.2	170.0
5. Pahala	2011	1.4 _p	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6 _p
	Average	7.7	6.1	6.3	5.0	3.8	2.2	2.1	3.3	3.4	4.2	5.5	5.4	55.0
6. Pahoa	2011	3.4 _p	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5 _p
	Average	13.9	10.9	10.5	13.9	10.5	7.1	9.8	10.6	9.2	11.5	13.3	14.6	140.0
Island of Maui														
7. Hana	2011	5.1 _p	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5 _p
	Average	8.5	5.7	9.1	7.5	5.9	4.1	5.9	5.8	6.1	7.3	8.0	6.1	80.0
8. Kula	2011	6.1 _p	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1 _p
	Average	3.5	3.0	2.5	1.6	1.1	0.8	0.8	0.8	1.1	1.5	2.3	3.3	22.3
9. Lahainaluna	2011	1.1 _p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1 _p
	Average	4.4	2.7	2.4	1.7	0.7	0.2	0.3	0.6	0.6	1.0	2.0	3.4	20.0
10. Wailuku	2011	0.0 _p	0.0 _p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 _p
	Average	5.2	3.8	3.6	3.0	1.2	0.4	0.6	0.7	0.6	1.7	2.9	4.3	28.0
Island of Oahu														
11. Kahuku	2011	5.6 _p	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2 _p
	Average	6.3	4.2	5.3	4.0	2.5	1.9	2.2	2.6	2.2	4.0	4.6	5.3	45.0
12. Mililani	2011	1.7 _p	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5 _p
	Average	6.4	4.9	4.9	4.0	2.5	1.7	2.1	2.4	1.7	3.7	4.5	6.2	45.0
13. Waianae	2011	8.4 _p	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1 _p
	Average	3.8	2.3	2.5	1.6	0.7	0.3	0.3	0.7	0.7	1.8	2.0	3.3	20.0
14. Waimanalo	2011	5.6 _p	3.6 _p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2 _p
	Average	6.8	4.6	3.6	3.2	3.2	1.5	1.6	1.5	2.0	3.7	5.6	5.5	42.8
Island of Kauai														
15. Moloaa Dairy	2011	1.1 _p	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5 _p
	Average	6.9	4.7	6.2	5.0	3.9	1.7	2.7	2.6	2.2	5.0	5.4	5.6	51.9
16. Hanalei	2011	0.0 _p	0.0 _p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 _p
	Average	11.8	9.4	13.4	12.2	9.3	6.5	9.8	8.7	6.9	8.5	10.2	12.0	118.7
17. Omao	2011	5.0 _p	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0 _p
	Average	6.9	4.5	5.5	5.2	4.2	3.4	4.7	4.6	3.8	4.7	5.9	6.7	60.0

^{1/} Rainfall stations were selected from the National Weather Service's Hydronet system of automated rain gauges. All data has not been quality controlled to date, and therefore is not certified by the National Weather Service.

M = Missing. p = Partial or incomplete. e = Estimated. * = More than zero, but less than .05 inches of rain.

Precipitation for week ending February 13, 2011
Daily, weekly, and year-to-date precipitation totals for selected Hawaii stations.^{1/}

Station name and identification number	24-Hour totals at 8 a.m.							Weekly total	Jan. 1 to date
	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
								<i>Inches</i>	
Island of Hawaii									
1. Kamuela (HI86)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.92 p
2. Kealahou (HI84)	0.00	0.30	1.13	0.00	0.00	0.00	0.00	1.43	2.49 p
3. Laupahoehoe (HI80)	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	5.56 p
4. Mt. View (HI81)	0.00	0.33	0.07	0.01	0.00	0.00	0.00	0.41	9.76 p
5. Pahala (HI85)	0.00	0.04	0.00	0.06	0.00	0.00	0.00	0.10	1.63 p
6. Pahoa (HI83)	0.00	0.46	0.03	0.00	0.00	0.00	0.00	0.49	4.53 p
Island of Maui									
7. Hana (HI61)	0.00	0.00	0.00	0.06	0.00	0.00	0.37	0.43	6.51 p
8. Kula (HI65)	0.00	0.48	0.00	0.00	0.10	1.26	0.12	1.96	8.10 p
9. Lahainaluna (HI60)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13 p
10. Wailuku (HI66)	M	M	M	M	M	M	M	M	0.00 p
Island of Oahu									
11. Kahuku (HI09)	0.64	0.38	0.00	0.00	0.27	0.00	0.28	1.57	7.19 p
12. Mililani (HI14)	0.98	0.02	0.00	0.00	1.05	0.22	0.00	2.27	4.53 p
13. Waianae (HI17)	1.18	0.11	0.00	0.00	1.02	0.36	0.00	2.67	11.10 p
14. Waimanalo (HI13)	0.85	0.14	0.00	0.02	0.23	1.73	0.63	3.60	9.16 p
Island of Kauai									
15. Moloaa Dairy	0.01	0.02	0.00	0.00	0.02	0.04	0.29	0.38	1.54 p
16. Hanalei (HI45)	M	M	M	M	M	M	M	M	0.00 p
17. Omao (HI51)	0.70	0.49	0.02	0.22	0.25	0.00	0.04	1.72	7.04 p

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