



Hawaii Weekly Crop Weather Report

National
Agricultural
Statistics
Service

Week ending: February 7, 2010

In Cooperation with the Hawaii Department of Agriculture

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Rains Hit State Early In The Week



Weather Review

The very beginning of the week started with mostly sunny skies. Light winds coupled with the daytime heating of the islands caused clouds to form over and around the mountains. Only a few showers actually ended up falling during this time. Prefrontal precipitation associated with the coming of a cold front north of the islands brought heavy rains to the islands, first to Kauai Monday night then moving down the chain finally reaching the Big Island Wednesday morning. The actual cold front also brought some rainfall, but not as much. Registered high temperatures throughout the State for the week ranged from high 60s (Kaunakakai) to the mid 80s (Hilo and Kahului).

Hawaii County

With the exception of rains associated with the cold front that passed through the islands, Hawaii County remained relatively dry. The rain gauges registered very little rainfall during the remaining days. The Waimea Irrigation System

water level was marked at 48.2 feet on February 4th, a decrease of less than 1 percent from the previous week's reading of 48.5 feet. As we reported last week, the Agricultural Resource Management Division lifted the 10 percent voluntary conservation measure that had been in place for some time now. This was due to the combination of the near completion of earthquake repairs to both the Honokaa-Paaui Irrigation System and the Waimea Irrigation System and water being restored to the irrigation ditches with reservoir levels remaining steady for the past 12 months.

Maui County

The weather varied throughout the week with rain falling over the islands Tuesday and the remainder of the week being fairly dry. There was some volcanic haze over the weekend. The Molokai Irrigation System Water level was marked at 16.5 feet on February 4th, an increase of 14 percent from the previous week's reading of 14.50 feet. A mandatory 20 percent reduction remained in effect for all non-homestead users.

Honolulu County

Torrential downpours occurred over Honolulu County as prefrontal precipitation fell Tuesday morning. The National Weather Service placed a flood advisory at 8:34 a.m. as radars showed heavy showers that spanned the south shore from Ewa to Honolulu but later lifted it in the early afternoon. The Waimanalo Irrigation System Water level was marked at 36 feet on February 4th, unchanged from the previous week's reading. A voluntary 10 percent reduction in use remained in effect for all users.

Kauai County

Weather was fairly dry and stable after the quick-moving rains hit in the beginning of the week. Pasture conditions on the north and east sides continued to be in fair to poor condition. Winds changed from northerly to southerly over the course of the week causing extremely vuggy conditions by Saturday. The return of the trade winds on Sunday cleared up skies which ended the week on a good note.

Mark Hudson, Director
King Whetstone, Deputy Director

Larry Chun, Agricultural Statistician

National Agricultural Summary February 1 - February 7, 2010

Warmer than normal temperatures continued in the Pacific Northwest, with recordings reaching as many as 10 degrees above average in some locations. Conversely, abnormally cool temperatures prevailed in the Mid-Atlantic States, the Delta, and portions of Texas. Above average precipitation fell throughout much of the southern half of the Nation, as well as in the northern Great Plains. Areas in the Delta and Southeast accumulated rainfall totaling 3 inches or more. Elsewhere, the majority of the Rocky Mountains, Great Lakes, and New England were relatively dry.

In Florida, heavy rain and wet soils in the Panhandle and Big Bend areas hampered fieldwork for row crop farmers and caused erosion and fertilizer leaching in some fields. Sugarcane harvest continued in southern areas of the State where freeze damage sustained last month caused some reduction in yield. Vegetable growers in Charlotte, Glades, and Hendry Counties planted spring melons, while planting in Walton County was delayed by surplus rainfall. Citrus producers spent the week harvesting early and mid-season oranges.

The wheat crop in the Northern High Plains of Texas was reported in good condition with minimal insect pressure and leaf rust evident. Corn growers in the Blacklands and South Central areas of the State were waiting for drier field conditions before continuing tillage and fertilizing activities in preparation for planting. Fall planted onions had emerged from dormancy and were growing in the 3-leaf stage. Fresh market and processing spinach harvest stalled due to excessive moisture.

Above average temperatures and mostly wet weather prevailed across much of Arizona during the week. Small grain producers began seeding their crops, while vegetable growers continued shipping a variety of fruit and produce.

A wave of storm systems paraded across California, bringing light to moderate precipitation to the northern part of the State, while heavy rainfall in southern California caused numerous mudslides. As orchards dried out, fruit and nut producers continued pruning, shredding, tying, and cultivating activities.

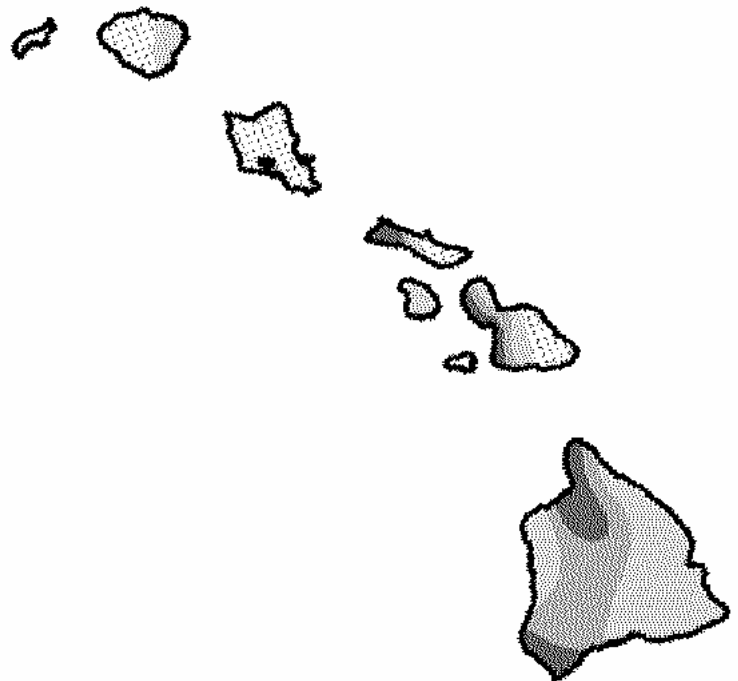
U.S. Drought Monitor

Hawaii

February 2, 2010
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.4	99.6	77.1	36.9	13.0	0.0
Last Week <small>(01/26/2010 map)</small>	0.7	99.3	56.9	36.9	9.8	0.0
3 Months Ago <small>(11/10/2009 map)</small>	31.1	68.9	51.4	28.8	6.8	0.0
Start of Calendar Year <small>(01/05/2010 map)</small>	31.1	68.9	53.8	36.9	6.4	0.0
Start of Water Year <small>(10/06/2009 map)</small>	18.8	81.2	51.4	32.8	6.7	0.0
One Year Ago <small>(02/03/2009 map)</small>	23.1	76.9	54.7	33.7	3.4	0.0



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 4, 2010
Author: M. Rosencrans, CPC/NOAA

Monthly Trend for Selected Stations

Comparison of 2010 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	2010	2.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
	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	2010	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
	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	2010	3.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4
	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	2010	1.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
	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	2010	0.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
	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	2010	1.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
	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	2010	1.5 _p	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6 _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	2010	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
	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	2010	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	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	2010	0.3 _p	0.1 _p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3 _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	2010	0.7 _p	0.0 _p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7 _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	2010	1.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
	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	2010	0.5 _p	0.0 _p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5 _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	2010	5.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
	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	2010	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	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	2010	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	2010	2.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
	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 7, 2010
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	0.06	0.00	0.00	0.06	2.42	
2. Kealakekua (HI84)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	
3. Laupahoehoe (HI80)	0.01	0.00	0.00	0.89	0.57	0.00	0.00	1.47	5.38	
4. Mt. View (HI81)	0.55	0.19	0.19	0.00	0.00	0.01	0.06	1.00	2.58	
5. Pahala (HI85)	0.49	0.05	0.05	0.30	0.00	0.00	0.02	0.91	0.99	
6. Pahoa (HI83)	0.77	0.00	0.00	0.00	0.00	0.00	0.07	0.84	1.96	
Island of Maui										
7. Hana (HI61)	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.05	1.59 p	
8. Kula (HI65)	0.01	0.00	0.00	0.93	0.00	0.00	0.00	0.94	1.83	
9. Lahainaluna (HI60)	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.04	0.17	
10. Wailuku (HI66)	M	0.00	0.00	0.05	0.00	0.00	M	0.05	0.34 p	
Island of Oahu										
11. Kahuku (HI09)	M	M	M	M	M	M	M	M	0.65 p	
12. Mililani (HI14)	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.96	2.68	
13. Waianae (HI17)	M	0.00	0.00	M	M	M	0.00	0.00	0.51 p	
14. Waimanalo (HI13)	0.04	0.02	0.02	0.30	0.01	0.02	0.02	0.43	6.04	
Island of Kauai										
15. Moloaa Dairy	M	M	M	M	M	M	M	M	0.00 p	
16. Hanalei (HI45)	M	M	M	M	M	M	M	M	0.00 p	
17. Omao (HI51)	0.00	0.57	0.57	0.02	0.00	0.00	0.00	1.16	4.08	

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