



Hawaii Weekly Crop Weather Report

National
Agricultural
Statistics
Service

Week ending: August 29, 2010

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

Fair Weather, Mostly Dry



Weather Review

Rainfall varied by location throughout the week but was generally light and passing with activity heavier later in the week. The northern island of Kauai County received approximately twice the amount it had compared to last week. Central Oahu also received more rain than the previous week with the Mililani rain gauge receiving approximately .9 inches of rain. Rainfall elsewhere on Oahu and in the southern islands was relatively unchanged from last week's totals. The Drought Monitor indications remained the same as the previous week's with 97.8 percent of the State under some type of drought condition.

Hawaii County

During the week skies were partly cloudy with light showers, mostly located on the windward coast. Laupahoehoe received the most rain, with the weekly total coming in at 1.12 inches. Highlighting dry conditions, a major brush fire on the Big Island continued to burn this week on the Pohakuloa Training Area. The fire, which has been burning for over a week had consumed nearly 1,400 acres, and had not yet been completely contained as of the end of the week. High winds, low humidity, and dry conditions during the week increased

the intensity of the fire. These conditions also helped to create a fire phenomenon called a fire whirl. The Waimea Irrigation System water level was marked at 48 feet on Friday, August 27th; decrease of 4 percent from the previous Thursday's reading of 50 feet.

Maui County

Skies remained mostly clear early in the week with breezy conditions present throughout the week. Cloudy skies and windward showers came late in the week leaving .58 inches of rain in Hana. The Molokai Irrigation System water level was marked at 14.5 feet on Thursday, August 26th; no change from previous week's reading. **Phase III mandatory conservation measures remained in effect. Measures included a MANDATORY 30 percent conservation in usage from all non-homestead users.**

Honolulu County

Weather was fair throughout the week with very light passing morning and evening showers in some locations. A small fire burned some agricultural debris near the Waialua area. The leeward side remains very dry with the Waianae gauges registering no rain this month compared to an average of .7 inches. The Waimanalo Irrigation System water level was marked at 17 feet on Friday, August 27th; an increase of 26 percent from the previous Thursday's reading of 13.5 feet.

Phase III mandatory conservation measures remained in effect. Measures included a MANDATORY 30 percent reduction in use and water service limited to Mondays, Wednesdays, and Fridays between the hours of 7 am and 3:30 pm.

Kauai County

Mostly cloudy skies brought about rain during the middle part of the week in Kauai. Mount Waialeale has received 27.17 inches of rain over the month of August. This represents 69 percent of average rainfall for this gauge. This percentage was roughly par for the island in August. Other locations on the island, such as the Lihue airport, have received 1.26 inches which represents 66 percent of normal.



Agricultural Highlights

Orchards

Orchards were in good condition where irrigated. Clear skies were beneficial for growth.

Vegetables

Conditions were generally good for development. High temperatures and water issues presented problems in some areas.

Livestock and Pasture

Dry areas are visible across all islands with brown or browning pastures common, especially at lower elevations. Supplementing feed and water hauling has continued to be necessary in some areas.

Mark Hudson, Director
King Whetstone, Deputy Director

Larry Chun, Agricultural Statistician

Crop weather information in this report was provided voluntarily by local area officials of Farm Services Agency. Information also provided by the National Weather Service and the National Drought Mitigation Center.

National Agricultural Summary

August 22 - 28, 2010

Highlights: Locally heavy rain helped to ease the effects of a hot, drier-than-normal summer in the South and East. However, the rain -- which totaled 4 inches or more along the eastern Gulf Coast and in parts of New York and southern New England -- fell too late to benefit most summer crops. Farther west, cooler air settled across the Corn Belt, accompanied by a string of dry days. In fact, Midwestern rain was confined to western Corn Belt on August 23-24. The mild, dry weather promoted Midwestern summer crop maturation but maintained stress on late-planted soybeans across the southern Corn Belt. Meanwhile on the Plains, most of the week's rain also fell on August 23-24, with the most significant totals (2 inches or more) occurring from central Kansas into eastern Nebraska. An exception was Montana, where early- and late-week showers slowed small grain harvesting but boosted soil moisture in preparation for the upcoming winter wheat establishment season. Elsewhere, scattered showers dotted the Rockies and the Southwest. Several days of hot, dry weather promoted fieldwork and summer crop maturation across the majority of the West, but markedly cooler air arrived toward week's end. Relief from hot weather also reached the south-central United States, although readings of 100 degrees Fahrenheit or higher were common through August 24. Later, a surge of warmth in advance of a cold front boosted temperatures to 100 degrees Fahrenheit or higher as far north as Montana and the Dakotas on August 26-27.

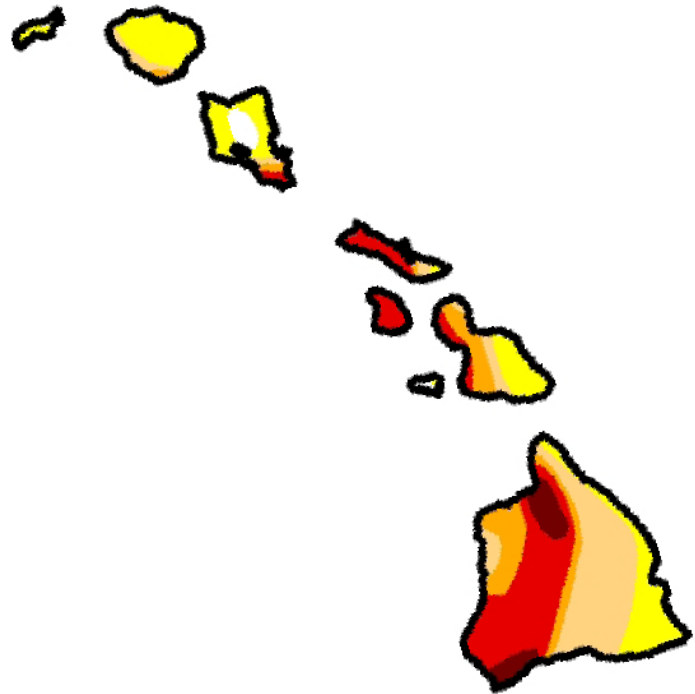
U.S. Drought Monitor Hawaii

August 24, 2010

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	2.2	97.8	69.0	44.0	30.6	5.1
Last Week (08/17/2010 map)	2.2	97.8	69.0	44.0	30.6	5.1
3 Months Ago (06/01/2010 map)	12.1	87.9	49.6	42.7	25.8	3.1
Start of Calendar Year (01/05/2010 map)	31.1	68.9	53.8	36.9	6.4	0.0
Start of Water Year (10/06/2009 map)	18.8	81.2	51.4	32.8	6.7	0.0
One Year Ago (08/25/2009 map)	30.0	70.0	51.4	32.6	3.1	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, August 26, 2010

Author: Brad Rippey, U.S. Department of Agriculture

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

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	0.7	6.8	3.5	0.7	1.3	1.7	1.5	0.0	0.0	0.0	0.0	18.5
	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	0.1 _p	* _p	1.3	1.9	1.3 _p	4.8	3.6 _p	0.0	0.0	0.0	0.0	14.3 _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	2010	3.9	3.1	20.2	10.0	2.0	2.6	2.6	2.8	0.0	0.0	0.0	0.0	47.4
	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	2.4	16.9	12.2 _p	7.6	5.8	5.7	5.3	0.0	0.0	0.0	0.0	57.3 _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	2010	0.1	1.6	1.0	0.8	0.6	0.3	0.5	0.2	0.0	0.0	0.0	0.0	5.1
	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	1.5	8.8	7.8	3.8	4.6	5.1	5.0	0.0	0.0	0.0	0.0	37.6
	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	0.8	7.3	6.7 _p	2.2 _p	1.3 _p	6.0 _p	3.8 _p	0.0	0.0	0.0	0.0	29.5 _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	2010	0.9	1.0	2.4	0.7	0.2	0.1	0.1	0.1 _p	0.0	0.0	0.0	0.0	5.6 _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	2010	0.1	0.1	0.4	0.1	*	*	0.3	0.1	0.0	0.0	0.0	0.0	1.1
	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	0.3 _p	0.2 _p	0.1 _p	0.0 _p	0.0 _p	0.0 _p	0.0 _p	0.0	0.0	0.0	0.0	0.9 _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	* _p	0.1 _p	3.4	2.0	0.7	1.6	1.6	0.0	0.0	0.0	0.0	10.1 _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	1.4	4.5	4.7	4.6	0.9	2.4	3.0	0.0	0.0	0.0	0.0	23.1
	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	0.2 _p	0.9	0.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	3.6 _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	1.5	1.0	0.3 _p	0.7 _p	0.2	0.8	0.7	0.0	0.0	0.0	0.0	10.7 _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	2010	0.0 _p	0.0 _p	0.0 _p	0.0 _p	0.0 _p	0.0 _p	0.0 _p	0.0 _p	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 _p	8.5 _p	1.1 _p	1.1 _p	0.0 _p	1.8 _p	0.0	0.0	0.0	0.0	12.5 _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	0.8	5.7	6.9	2.9	2.3	2.5	3.7 _p	0.0	0.0	0.0	0.0	27.7 _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 August 29, 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	0.04	0.01	0.19	0.24	18.46
2. Kealakekua (HI84)	0.07	0.01	0.01	0.02	0.00	0.00	0.00	0.11	14.31 p
3. Laupahoehoe (HI80)	0.01	0.00	0.01	0.00	0.03	0.03	1.04	1.12	47.38
4. Mt. View (HI81)	0.03	0.01	0.05	0.01	0.37	0.05	0.47	0.99	57.31 p
5. Pahala (HI85)	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.13	5.05
6. Pahoa (HI83)	0.00	0.02	0.09	0.07	0.45	0.10	0.21	0.94	37.56
Island of Maui									
7. Hana (HI61)	0.07	0.00	M	M	0.17	0.04	0.30	0.58	29.47 p
8. Kula (HI65)	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04	5.61 p
9. Lahainaluna (HI60)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13
10. Wailuku (HI66)	M	M	M	M	M	M	M	M	0.93 p
Island of Oahu									
11. Kahuku (HI09)	0.04	0.00	0.01	0.07	0.06	0.00	0.25	0.43	10.07 p
12. Mililani (HI14)	0.03	0.18	0.08	0.05	0.31	0.09	0.14	0.88	23.12
13. Waianae (HI17)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.63 p
14. Waimanalo (HI13)	0.00	0.00	0.00	0.04	0.00	0.00	0.01	0.05	10.69 p
Island of Kauai									
15. Moloaa Dairy	M	M	M	M	M	M	M	M	0.00 p
16. Hanalei (HI45)	M	0.06	M	M	0.00	0.00	0.19	0.25	12.46 p
17. Omao (HI51)	0.09	0.14	0.32	0.38	0.21	0.02	0.23	1.39	27.66 p

^{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.

U.S. Department of Agriculture
NASS, Hawaii Field Office
1428 South King Street
Honolulu, HI 96814-2512

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE, \$300

RETURN SERVICE REQUESTED