United States Department of Agriculture

Hawaii Weekly Crop Weather Report

National Agricultural Statistics Service

Week ending: August 1, 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

Gusty Winds Bring Light Showers

Weather Review

Light showers picked up as tradewinds became very windy late in the week. Showers were passing and heavier on the windward sides. Most precipitation was limited to morning hours and dried quickly as the day progressed and tradewinds picked up and aided evaporation. The Drought Monitor showed no change from the previous week. Hawaii Department of Agricultural irrigation systems were slightly up from the week prior on all islands except Molokai. Farmers in windward areas report that farms are in fair condition on Oahu. Due to dry conditions in most areas irrigation is required. Crops where irrigation is not available are reported to be in poor conditions.

HIGHLIGHTS: A record low temperature of 69 degrees Fahrenheit was set in Honolulu [Oahu] on Wednesday, July 28th. This broke the old record of 70 degrees set in 1954.

Hawaii County

Windward gauges on the Big Island garnered nearly an inch and a half of rain, similar to the previous week's totals. As with the previous week, the majority of the total weekly rainfall fell over a couple days and was not evenly distributed throughout the week. The Waimea Irrigation System water level was marked at 50 feet on Friday, July 30th; an increase of 1 percent from the previous week's reading of 49.5 feet.

Maui County

The most intense winds over the week blew on Maui where winds blew at speeds well over 40 miles per hour. Even with light showers over the second half of the week, the Kula rain gauge ended the month of July with only 12.5 percent of normal total monthly rainfall. Of monitored gauges for this report, 12.5 percent represents the largest relative disparity of monthly rainfall for the month of July for the State. Also, small brush fire razed 170 acres in Kahului, no reports were available on an agricultural impacts or value of damage. The Molokai Irrigation System water level was marked at 15.5 feet on Friday, July 30th; a decrease of 3 percent from previous week's reading of 16 feet. A mandatory 20 percent reduction in use remained in effect for all non-homestead users.

Honolulu County

Central Oahu received the largest amount of rain as tradewinds blew in showers as the week progressed. Nighttime and early morning showers did not bring saturating rains, rather light misting showers, which evaporated by mid-morning. The Waimanalo Irrigation System water level was marked at 10.5 feet on Friday, July 30th; an increase of 2 percent from the previous week's reading of 10.25 feet. **Phase III Critical Low mandatory conservation measures remained in effect. Measures included a REQUIRED 30% reduction in use and water service limited to Mondays, Wednesdays, and Fridays between the hours of 7 am and 3:30 pm.**

Kauai County

No significant changes in weather or crop conditions occurred over the past week. Although cloud cover was increased, Kauai was not as privy as the remainder of the State as rainfall totals in most locations either remained the same or decreased from the prior week.

Agricultural Highlights

Orchards

Orchards were in good condition where irrigated. Minor wind damage occurred in isolated areas.

Vegetables

No change, irrigated crops maintained healthy yields. Some wind damage was reported to trellised crops.

Livestock and Pasture

Rainfall was not significant enough to result in any kind of major recovery. as haling of water and feed continued.

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

July 25 - 31, 2010

Highlights: Much-needed rain fell across the South, helping to temper the effects of hot weather that intensified and shifted westward toward week's end. Agriculturally, rain was especially beneficial in the Carolinas, where many locations received more than 2 inches. Farther north, occasional showers and moderate temperatures maintained abundant moisture reserves for reproductive to filling Midwestern summer crops. Some of the week's heaviest rain (locally 4 inches or more) soaked the already soggy western Corn Belt on July 29-30. Meanwhile on the northern Plains, scattered showers caused only minor small grain harvest delays. Across the remainder of the Nation's midsection, late-week heat replaced generally tranquil conditions on the central and southern Plains. Elsewhere, an active monsoon resulted in locally heavy rainfall in the Four Corners States, while warm, mostly dry weather promoted fieldwork and crop development in California and the Northwest. In fact, near- to above-normal temperatures covered much of the Nation. Cooler than normal conditions were confined to the immediate Pacific Coast and scattered locations in the Northeast and Southwest. The Midwest again escaped the triple-digit heat that stressed pastures, animals, and summer crops in parts of the South.

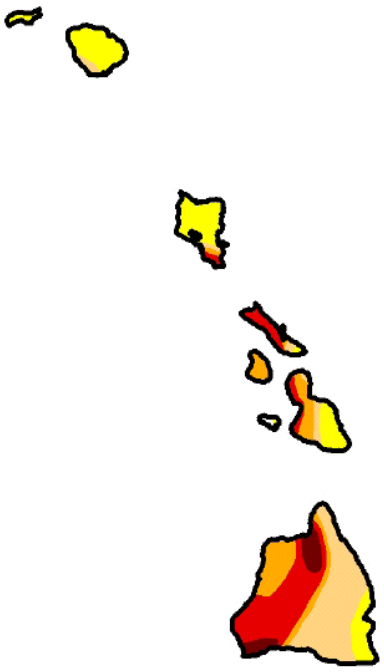
U.S. Drought Monitor

July 27, 2010
Valid 7 a.m. EST

Hawaii

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.4	99.6	72.8	45.1	28.4	5.1
Last Week (07/20/2010 map)	0.4	99.6	72.8	45.1	28.4	5.1
3 Months Ago (05/04/2010 map)	31.8	68.2	49.5	41.5	25.1	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 (07/28/2009 map)	0.7	99.3	68.3	33.6	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.

http://drought.unl.edu/dm

USDA National Drought Mitigation Center

Released Thursday, July 29, 2010

Author: D. Miskus, 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
							Inches							
Island of Hawaii														
1. Kamuela	2010	2.4	0.7	6.8	3.5	0.7	1.3	1.7	0.1	0.0	0.0	0.0	0.0	17.0
	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. Kealakekua	2010	1.4	0.1p	*p	1.3	1.9	1.3p	4.8	0.2	0.0	0.0	0.0	0.0	10.9p
	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	0.4	0.0	0.0	0.0	0.0	44.9
	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	12.2p	7.6	5.8	5.7	0.7	0.0	0.0	0.0	0.0	52.7p
	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	0.0	0.0	0.0	0.0	0.0	4.9
	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	0.6	0.0	0.0	0.0	0.0	33.2
	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	1.5p	0.8	7.3	6.7p	2.2p	1.3p	6.0p	0.1	0.0	0.0	0.0	0.0	25.8p
	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	*	0.0	0.0	0.0	0.0	5.5
	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	0.0	0.0	0.0	0.0	0.0	1.0
	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	0.3p	0.3p	0.2p	0.1p	0.0p	0.0p	0.0p	0.0p	0.0	0.0	0.0	0.0	0.9p
	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	0.7p	*p	0.1p	3.4	2.0	0.7	1.6	0.0	0.0	0.0	0.0	0.0	8.4p
	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	0.1	0.0	0.0	0.0	0.0	20.3
	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	0.5p	0.2p	0.9	0.5	1.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	3.6p
	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	0.3p	0.7p	0.2	0.8	*	0.0	0.0	0.0	0.0	10.0p
	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	0.0p	0.0p	0.0p	0.0p	0.0p	0.0p	0.0p	0.0p	0.0	0.0	0.0	0.0	0.0p
	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	0.0p	0.0p	0.0p	8.5p	1.1p	1.1p	0.0p	0.0p	0.0	0.0	0.0	0.0	10.7p
	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	*	0.0	0.0	0.0	0.0	24.0
	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 1, 2010

Daily, weekly, and year-to-date precipation 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		
					Inches				
Island of Hawaii									
1. Kamuela (HI86)	0.02	0.10	0.01	0.03	0.17	0.00	0.10	0.43	17.03
2. Kealakekua (HI84)	0.17	0.01	0.00	0.14	0.00	0.04	0.18	0.54	10.94 p
3. Laupahoehoe (HI80)	0.09	0.00	0.00	0.01	0.19	0.14	0.40	0.83	44.94
4. Mt. View (HI81)	0.09	0.13	0.04	0.03	0.22	0.11	0.68	1.30	52.71 p
5. Pahala (HI85)	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.02	4.85
6. Pahoa (HI83)	0.25	0.13	0.00	0.14	0.18	0.16	0.61	1.47	33.22
Island of Maui									
7. Hana (HI61)	0.01	0.11	0.02	0.22	0.09	0.01	0.06	0.52	25.78 p
8. Kula (HI65)	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	5.49
9. Lahainaluna (HI60)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02
10. Wailuku (HI66)	M	M	M	M	M	M	M	M	0.93 p
Island of Oahu									
11. Kahuku (HI09)	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.04	8.44 p
12. Mililani (HI14)	0.00	0.00	0.00	0.12	0.06	0.02	0.09	0.29	20.26
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	0.02	0.00	0.00	0.00	0.09	0.02	0.13	10.03 p
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	10.71 p
17. Omao (HI51)	0.01	0.03	0.02	0.03	0.04	0.07	0.03	0.23	24.00

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