



Hawaii Weekly Crop Weather Report

National
Agricultural
Statistics
Service

Week ending: October 10, 2010

In Cooperation with the Hawaii Department of Agriculture

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Much Needed Rain Fell on Windward Side of Big Island



Weather Review

Measurable rainfall was recorded by stations located on the windward side of Hawaii County through Wednesday with accompanying cloudy conditions. Other Weather reporting stations recorded none to under a quarter inch for the week as clear and sunny conditions prevailed. Trade wind speed lessened during the latter portion of the week. Despite the welcomed precipitation, the U.S. Drought Monitor show over 95 percent of Hawaii is rated being in some stage of drought. All of Lanai and the leeward portion of Molokai were rated being in extreme drought. Less intense drought ratings were noted for Kauai County compared to previous week. Exceptional drought ratings (D5) were noted at the extreme southern portion of Hawaii County and areas of the South Kohala District, the only places in the Nation with such a designation.

Hawaii County

Leeward and the Ka`u District continue to suffer dry weather conditions. Leeward Kona showers resulted in slightly improved drought ratings in that area. Coffee harvest activities continued with no weather related delays island-wide. The Waimea Irrigation System water level was marked at 48 feet on Friday, October 7th; no change from the

previous week's reading. The current conservation status is unrestricted.

Maui County

The leeward slopes and coast continued to be rated as severe drought or worse by the U. S. Drought monitor. Planting, cultivating, and harvesting activities experienced no weather related delays as clear weather conditions prevailed. The Molokai Irrigation System water level was marked at 13 feet on Friday, October 7th; no change from the 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

Scattered showers were spotted mainly in the leeward slopes and mountain areas of the island. These showers were not heavy enough to halt or impede planting, cultivating, spraying, or harvesting activities. Rainfall on the northern and windward areas of the Island resulted in all drought classifications being cleared from that area. The Waimanalo Reservoir Irrigation System water level was marked at 25 feet on Friday, October 7th; an increase of 4 percent from the previous week's reading of 24 feet. **Phase III mandatory conservation measures remained in effect. Measures included a MANDATORY**

30 percent reduction in use and water service limited to Mondays, Wednesday, and Fridays between the hours of 7 AM and 3:30 PM.

Kauai County

Light showers, due to trade winds, fell during the earlier portion of the week. Trade winds lightened later in the week bringing clear and dry weather conditions.



Agricultural Highlights

Orchards

Orchards were rated in good conditions for the majority of the State. Irrigation water application rates varied, but were heavier in drier locations.

Vegetables

Crop conditions were rated mostly good, but dependent on irrigation water availability and scheduling delivery.

Livestock and Pasture

Leeward pastures and those in lower elevations continued to vary by location but overall available forage for livestock remains short.

Mark Hudson, Director

Larry Chun, Agricultural Statistician

National Agricultural Summary

October 3 - 9, 2010

Highlights: Dry weather promoted summer crop harvesting and winter wheat planting across the majority of the Plains, Midwest, and South. Fieldwork accelerated in the upper Midwest, following harvest delays due to excessive September rainfall. Meanwhile, newly planted wheat was in need of rain in several regions, including the Delta, the Ohio Valley, and portions of the central and southern Plains. In fact, significant rainfall across the eastern half of the U.S. was confined to the Northeast, where a slow-moving storm produced locally more than 2 inches of rain and resulted in several days of cool, breezy weather. Cool air on the western periphery of the storm brought season-ending freezes to the upper Midwest on October 3 and parts of the Great Lakes region on October 4-5. The freezes were roughly on schedule and caused little or no harm to mostly mature summer crops. In contrast, temperatures topped 90 degrees F on October 5 as far north as South Dakota and on October 8-9 in portions of the western Corn Belt. Elsewhere, showery weather prevailed for much of the week across the West. By week's end, scattered showers arrived across the northern half of the High Plains. Some of the heaviest precipitation fell from the Sierra Nevada into the western Great Basin and from Arizona northward into Utah. Western wetness caused some fieldwork delays but aided recently planted winter grains

U.S. Drought Monitor

Hawaii

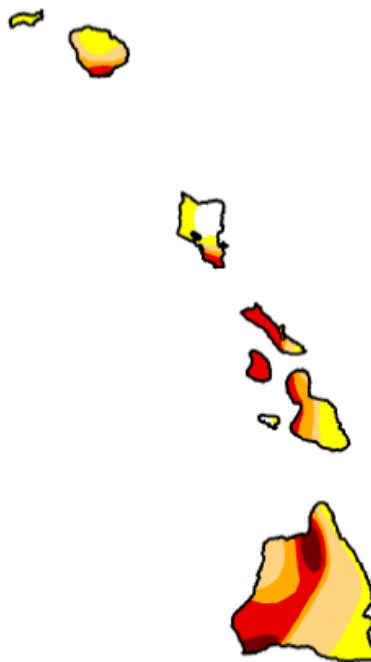
October 5, 2010
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	4.4	95.6	72.1	43.1	28.2	5.1
Last Week (09/28/2010 map)	2.2	97.8	73.9	46.8	31.5	5.1
3 Months Ago (07/13/2010 map)	0.4	99.6	72.8	44.4	30.6	5.1
Start of Calendar Year (01/05/2010 map)	31.1	68.9	53.8	36.9	6.4	0.0
Start of Water Year (10/05/2010 map)	4.4	95.6	72.1	43.1	28.2	5.1
One Year Ago (10/06/2009 map)	18.8	81.2	51.4	32.8	6.7	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, October 7, 2010

Author: Laura Edwards, Western Regional Climate Center

<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	1.9	0.9	0.7	0.0	0.0	20.5
	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	3.1	1.4	0.0	0.0	18.9 _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	4.0	2.4	1.4	0.0	0.0	52.3
	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	5.7	3.9	3.5	0.0	0.0	65.1 _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	0.4	0.3	0.0	0.0	5.7
	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	5.1	3.1	2.0	0.0	0.0	42.8
	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	2.8	0.7 _p	0.0	0.0	33.0 _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	*	0.4	0.0	0.0	6.0 _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	*	0.2	0.0	0.0	1.3
	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 _p	0.0 _p	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	1.5	0.3	0.0	0.0	11.9 _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	0.9	1.0	0.0	0.0	25.1
	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	0.2	0.2	0.0	0.0	4.0 _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	1.4	0.4	0.0	0.0	12.6 _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 _p	0.0 _p	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	1.9 _p	0.2 _p	0.5	0.0	0.0	13.4 _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	2.3	0.2	0.0	0.0	30.2 _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 October 10, 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	0.01	0.00	0.00	0.00	0.00	0.02	0.03	20.47
2. Kealakekua (HI84)	0.13	0.01	0.00	0.13	0.11	0.00	0.00	0.38	18.91 p
3. Laupahoehoe (HI80)	0.06	0.98	0.08	0.00	0.00	0.00	0.00	1.12	52.30
4. Mt. View (HI81)	0.68	0.80	1.78	0.00	0.00	0.01	0.00	3.27	65.05 p
5. Pahala (HI85)	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.05	5.74
6. Pahoa (HI83)	0.43	0.60	0.72	0.01	0.04	0.00	0.04	1.84	42.79
Island of Maui									
7. Hana (HI61)	M	0.07	M	M	M	M	M	0.07	33.03 p
8. Kula (HI65)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.01 p
9. Lahainaluna (HI60)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.32
10. Wailuku (HI66)	M	M	M	M	M	M	M	M	0.93 p
Island of Oahu									
11. Kahuku (HI09)	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.09	11.86 p
12. Mililani (HI14)	0.14	0.07	0.00	0.01	0.00	0.00	0.00	0.22	25.06
13. Waianae (HI17)	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	4.02 p
14. Waimanalo (HI13)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	12.55 p
Island of Kauai									
15. Moloaa Dairy	M	M	M	M	M	M	M	M	0.00 p
16. Hanalei (HI45)	0.02	0.13	0.01	0.00	0.00	0.00	0.01	0.17	13.35 p
17. Omao (HI51)	0.06	0.02	0.00	0.00	0.00	0.00	0.00	0.08	30.18 p

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