



Hawaii Weekly Crop Weather Report

National
Agricultural
Statistics
Service

Week ending: January 2, 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

Clear Skies



Weather Review

Last week was comparatively dry to the majority of December. Islands to the North had lingering precipitation early in the week from the week prior. As the week progressed rains tended to wane. The Island of Maui was left out of precipitation for the most part during the week. On the Big Island, light scattered showers, mostly windward, were present throughout the week. State Irrigation system water levels were in good shape with an increase in water level in all systems except for the Big Island's which had a weekly decrease of only 1 percent. Continued improvements in water level at the State's Waimanalo led to an upgrade from critical phase III restrictions to less restrictive phase II measures, see Honolulu County section for more information. Drought monitor shows good recovery for most areas, with leeward areas of Maui and Hawaii county still in abnormally dry [D1] to extreme [D3] conditions.

HIGHLIGHTS: A record daily maximum rainfall of .87 inch was set at Honolulu [Oahu] on Tuesday, December 28th. This broke the previous record of .45 inch set in 1954.

Hawaii County

Pasture conditions were improved greatly after December's heavy

rainfall. Although not as heavy, rains continued throughout the week. Last week's Drought Monitor, for the week prior, showed upgrade of extreme [D3] drought conditions in Southern Kona/Ka'u area. The only area under extreme [D3] conditions was an interior section of the North Kohala district. The Waimea Irrigation System water level was marked at 48.5 feet on Thursday, December 30th; a decrease of 1 percent from the previous week's reading of 49 feet. The current conservation status is unrestricted.

Maui County

Despite rains to the North and South Maui was dry with NASS followed gauges receiving less than .2 inch of rain. Breezy conditions and clear skies were good for crops, which were recovery from last week's inundating showers. The Molokai Irrigation System water level was marked at 17 feet on Thursday, December 30th; an increase of 3 percent the previous week's reading of 16.5 feet. **Phase III mandatory conservation measures remained in effect. Measures included a MANDATORY 30 percent conservation in usage from all non-homestead users.**

Honolulu County

The Waimanalo Irrigation System water level was marked at 42 feet on Friday, December 31st; an increase of 6 percent from last week's reading

of 39.5 feet. **Effective December 27th phase II mandatory conservation measures were implemented. Measures included a MANDATORY 20 percent reduction in use and water service limited to weekdays between the hours of 7 AM and 3:30 PM.**

Kauai County

The county saw significantly less rainfall than in previous weeks. Rainfall from the previous week system diminished as the week progressed which allowed areas that had seen flood damage to clean up. For the most part, showers dried up by Wednesday. Last week, Kauai County joined Honolulu County as a county clear of any type of drought status according to the National Drought Monitor.



Agricultural Highlights

Orchards

Clear and sunny skies with light winds were beneficial to orchard progress.

Vegetables

Conditions were improved with lighter rains as well as clear skies, allowing saturated soils a chance to drain after past weeks of heavy rain.

Livestock and Pasture

Pastures were in good condition in nearly all areas as greening from past showers, and light showers over the past week, was clearly visible across much of the State.

Mark Hudson, Director

Larry Chun, Agricultural Statistician

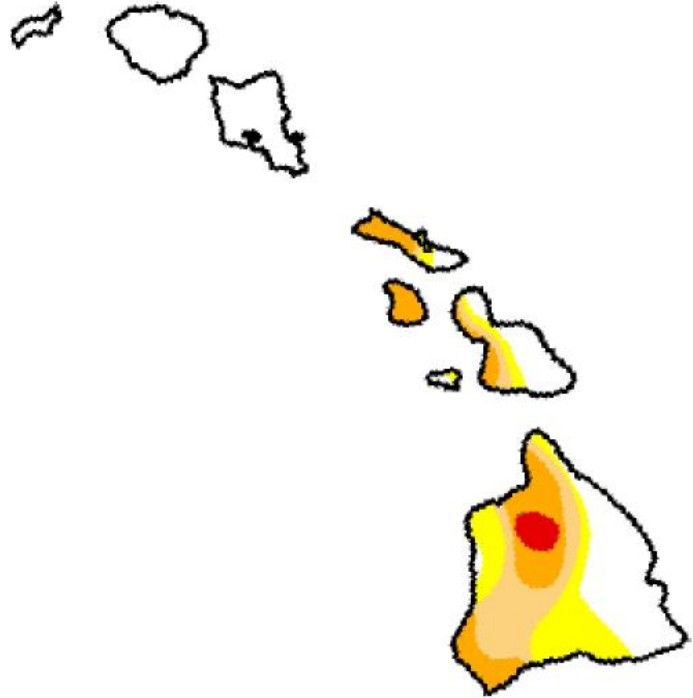
U.S. Drought Monitor

Hawaii

December 28, 2010
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	46.22	53.78	36.40	20.50	2.43	0.00
Last Week (12/21/2010 map)	43.97	56.03	39.76	30.28	4.37	0.00
3 Months Ago (09/28/2010 map)	2.19	97.81	73.89	46.79	31.55	5.11
Start of Calendar Year (12/29/2009 map)	31.12	68.88	53.44	28.81	5.10	0.00
Start of Water Year (09/28/2010 map)	---	---	---	---	---	---
One Year Ago (12/22/2009 map)	31.12	68.88	53.44	28.81	5.10	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.

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



Released Thursday, December 30, 2010
National Drought Mitigation Center

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	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
	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. Kealahou	2011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	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	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
	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	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	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	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
	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	2011	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
	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	2011	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	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	2011	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	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	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
	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	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	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	2011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	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	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	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*
	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 January 2, 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		
Island of Hawaii					<i>Inches</i>				
1. Kamuela (HI86)	0.01	0.00	0.00	0.00	0.07	0.00	0.01	0.09	0.01
2. Kealakekua (HI84)	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.33	0.00
3. Laupahoehoe (HI80)	0.00	0.00	0.00	0.02	0.03	0.01	0.00	0.06	0.01
4. Mt. View (HI81)	0.05	0.13	0.03	0.49	0.09	0.27	0.23	1.29	0.50
5. Pahala (HI85)	0.12	0.00	0.00	0.02	0.00	0.02	0.00	0.16	0.02
6. Pahoa (HI83)	0.06	0.08	0.01	0.16	0.12	0.17	0.00	0.60	0.17
Island of Maui									
7. Hana (HI61)	0.00	0.04	0.00	0.00	0.00	0.13	0.01	0.18	0.14
8. Kula (HI65)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9. Lahainaluna (HI60)	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.09	0.00
10. Wailuku (HI66)	M	M	M	M	M	M	M	M	0.00 p
Island of Oahu									
11. Kahuku (HI09)	0.06	1.13	0.02	0.01	0.01	0.23	0.10	1.56	0.33
12. Mililani (HI14)	0.07	2.42	0.01	0.04	0.10	0.01	0.00	2.65	0.01
13. Waianae (HI17)	M	0.24	0.00	0.01	0.00	0.00	0.00	0.25	0.00
14. Waimanalo (HI13)	0.09	0.03	0.02	0.23	0.00	0.00	0.00	0.37	0.00
Island of Kauai									
15. Moloaa Dairy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16. Hanalei (HI45)	M	M	M	M	M	M	M	M	0.00 p
17. Omao (HI51)	0.95	0.53	0.01	0.00	0.07	0.01	0.03	1.60	0.04

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