



Hawaii Weekly Crop Weather Report

National
Agricultural
Statistics
Service

Week ending: May 15, 2011

In Cooperation with the Hawaii Department of Agriculture

Hawaii Field Office · 1428 South King Street · Honolulu, HI 96814-9931 · 1-800-804-9514 · www.nass.usda.gov

Improved Weather



Weather Review

Last week's weather was generally very mild in comparison to the previous week. The northern counties of Kauai and Oahu continued to receive heavy showers early in the week, remnants from the storm the week prior. By Thursday, skies were slowly starting to clear with light and passing showers over the northern islands. In the southern portion of the State, Maui and Hawaii counties received little rain with most locations receiving less than an inch over the course of the week. Most rain fell between Thursday and Friday. The National Drought Monitor showed improvements for the Big Island. Extreme [D3] drought conditions were removed completely from the Kohala region. The area affected by severe [D2] drought was decreased and confined to a narrow band in the North Kohala region. Also, Moderate [D1] drought was shown to be improving as conditions shifted towards abnormally dry [D0] status on both the leeward and windward sides of the Big Island.

NOTICES: Qualified farm operators are eligible to apply for low interest Emergency Loans from the USDA's Farm Service Agency (FSA) due to the Presidential Designation of Hawaii, Maui, and Honolulu counties as major disaster areas due to tsunami losses on March 11, 2011. The designation was made on April 8th and farmers have eight months from this date to apply. For further information, please call your local FSA office. For Maui

County call 871-5500 extension 2, Honolulu County 483-8600 ext. 2, and Hawaii County 933-8381 ext. 1. **ALSO:** Deadlines for the *Conservation Innovation Grant* and the *Organic Initiative*, offered by the USDA's Natural Resources Conservation Service (NRCS), are quickly approaching. Applications for both programs are due by May 20, 2011. For further information, please call the Maui County NRCS Service Center Office at 483-8600 ext. 109 or the NRCS Service Center in your county.

Hawaii County

The Big Island experienced varying weather throughout the week. Generally, skies were partly cloudy with passing showers, mostly on the windward side. The Waimea Irrigation System's water level was marked at 45.5 feet on Friday, May 13th; an increase of 5 percent from the previous week's reading of 43.5 feet. The current conservation status remains unrestricted.

Maui County

Precipitation was light to none over Maui County during the week. Partly cloudy skies and breezy trades were the norm. The Molokai Irrigation System water level was marked at 18.25 feet on Friday, May 13th; a decrease of 1 percent from the previous week's reading of 18.5 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

Although the heavy showers ended, partly cloudy skies with localized showers remained until the weekend. The Waimanalo Irrigation System water level was marked at 61.25 feet on Friday, May 13th; an increase of 1 percent from the previous week's reading of 60.5 feet. The current conservation status remains unrestricted.

Kauai County

Intense rains that pounded the Hanalei area over the last two weeks finally let up by the end of last week. While accustomed to wet weather, heavy rains over the past weeks dropped 10% of an entire year's worth of normal rain totals in the course of two weeks.



Agricultural Highlights

Orchards

Orchards continued to be in varying condition based on location. Most areas experienced better weather than in the week prior.

Vegetables

Vegetables also continued to be in fair to poor condition. Conditions were wide ranging throughout the state and throughout the week.

Livestock and Pasture

Pastures were in good condition, especially on the Big Island and Kauai, with soil moisture still good after the past weeks' downpours. Maui County has not been as fortunate in terms of rain and pastures were not in prime condition as of the end of last week.

Mark Hudson, Director

Larry Chun, Agricultural Statistician

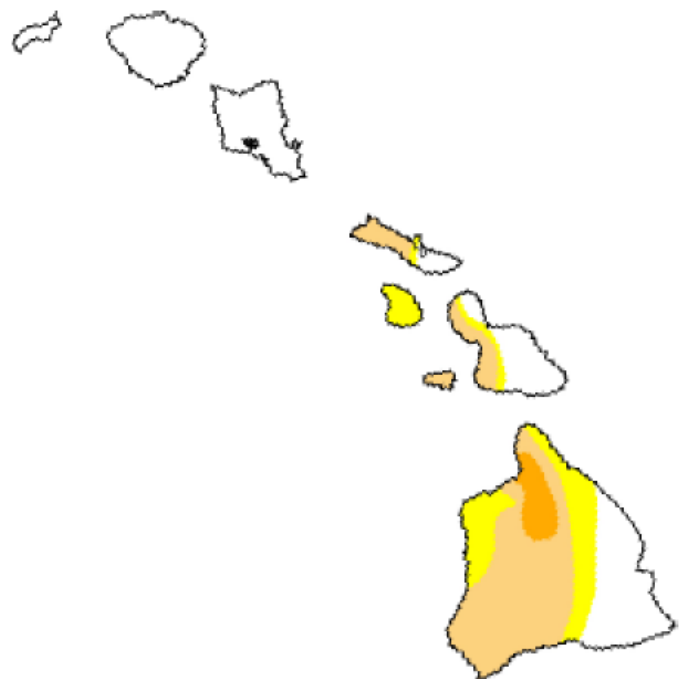
U.S. Drought Monitor

Hawaii

May 10, 2011
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	43.08	56.92	38.93	4.59	0.00	0.00
Last Week (05/03/2011 map)	42.42	57.58	45.76	7.59	1.00	0.00
3 Months Ago (02/08/2011 map)	31.37	68.63	35.99	13.68	1.00	0.00
Start of Calendar Year (12/28/2010 map)	46.22	53.78	36.40	20.50	2.43	0.00
Start of Water Year (09/28/2010 map)	2.19	97.81	73.89	46.79	31.55	5.11
One Year Ago (05/04/2010 map)	31.85	68.15	49.59	41.52	25.09	3.07



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, May 12, 2011
Rich Tinker, NOAA/NWS/NCEP/CPC

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

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	1.6 _p	1.9	1.8	1.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3 _p
	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	1.0 _p	2.7	5.2	6.9	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.5 _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	2011	4.1 _p	2.1	10.5	3.2	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.7 _p
	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	7.1 _p	4.6	16.8	8.0	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.4 _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	2011	1.4 _p	4.5	4.1	4.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.1 _p
	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	3.4 _p	3.1	11.2	4.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.1 _p
	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	5.1 _p	1.9 _p	0.0 _p	0.0 _p	1.2 _p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2 _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	2011	6.1 _p	4.4	1.4	1.8	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8 _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	2011	1.1 _p	1.0	0.8	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6 _p
	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 _p	0.0 _p	0.0 _p	0.0 _p	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	5.6 _p	2.4	3.6	2.2 _p	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.8 _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	2011	1.7 _p	3.0	3.9	5.7	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2 _p
	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	8.4 _p	4.5	1.7	1.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9 _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	2011	5.6 _p	3.6 _p	4.2	1.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.9 _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	2011	1.1 _p	1.7	0.4	1.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7 _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	2011	0.0 _p	0.0 _p	0.0 _p	0.7 _p	17.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.4 _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	2011	5.0 _p	6.1 _p	7.6	2.4	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.6 _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 May 15, 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		
<i>Inches</i>									
Island of Hawaii									
1. Kamuela (HI86)	0.45	0.00	0.02	0.00	0.04	0.00	0.00	0.51	7.30 p
2. Kealakekua (HI84)	0.00	0.00	0.12	0.05	0.04	0.10	0.36	0.67	21.49 p
3. Laupahoehoe (HI80)	0.06	0.00	0.00	0.00	0.05	0.00	0.00	0.11	23.66 p
4. Mt. View (HI81)	0.30	0.22	0.07	0.11	0.95	0.06	0.04	1.75	48.38 p
5. Pahala (HI85)	0.01	0.00	0.00	0.20	0.75	0.02	0.00	0.98	16.11 p
6. Pahoa (HI83)	0.21	0.08	0.05	0.03	0.32	0.00	0.00	0.69	27.11 p
Island of Maui									
7. Hana (HI61)	M	M	M	M	M	M	M	M	8.24 p
8. Kula (HI65)	0.00	0.08	0.00	0.00	0.38	0.00	0.19	0.65	14.82 p
9. Lahainaluna (HI60)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.55 p
10. Wailuku (HI66)	M	M	M	M	M	M	M	M	0.00 p
Island of Oahu									
11. Kahuku (HI09)	5.21	1.05	0.22	0.00	0.00	0.00	0.01	6.49	25.84 p
12. Mililani (HI14)	0.71	0.09	0.30	0.01	0.00	0.01	0.00	1.12	22.21 p
13. Waianae (HI17)	0.52	0.01	0.03	0.03	0.08	0.01	0.00	0.68	18.87 p
14. Waimanalo (HI13)	0.07	0.07	0.13	0.00	0.00	0.00	0.00	0.27	16.87 p
Island of Kauai									
15. Moloaa Dairy	1.43	0.00	0.59	0.15	0.08	0.01	0.00	2.26	7.71 p
16. Hanalei (HI45)	6.29	1.31	1.21	0.02	0.23	0.01	0.01	9.08	18.42 p
17. Omao (HI51)	3.16	1.62	0.35	0.16	0.06	0.83	0.05	6.23	31.56 p

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