



Hawaii Weekly Crop Weather Report

National
Agricultural
Statistics
Service

Week ending: June 5, 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

Thunderstorms and Rain



Weather Review

Typical trade wind conditions in the very beginning of the week gave way for more unusual weather conditions during the second half of the week as an upper-level low moved over the state. This low brought its associated cooler air to our overlying atmosphere causing conditions to become unstable. All islands experienced heavy showers during this time, some with thunderstorms and even hail. Overall, Kauai and Oahu were hit hardest. With the trades still uncharacteristically blowing strong, most of these thunderstorms were mostly contained over windward areas. Temperatures were also very uncharacteristically low for this time of year in areas of the state affected by the upper-level low. Along with all these weather anomalies for this time of the year, Mauna Kea also saw snow during the week.

The National Drought Monitor showed virtually no change in conditions from the previously week. Note: The Drought Monitor focuses on broad-scale conditions as local conditions may vary.

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.

Hawaii County

The Big Island experienced some rainfall during the week with the heaviest of it falling at the tail end of the week. The Waimea Irrigation System's water level was marked at 46.5 feet on Monday, June 6th; an increase of 4 percent from the previous week's Monday's reading of 44.5 feet. The current conservation status remains unrestricted.

Maui County

Rainfall over Maui County was most prevalent during the second half of the week and mostly contained over the windward and mountain areas. A record daily maximum rainfall was set on June 4th at 0.18 inches, breaking the old record of 0.04 inches set on the same day in 1989. The Molokai Irrigation System water level was marked at 18.00 feet on Monday, June 1st, unchanged from the previous Monday'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

Typical trade wind weather gave way to more extreme weather in the second half of the week. Thunderstorms

plagued the island on Thursday and Friday with the most rainfall occurring over the windward areas. A record daily maximum rainfall was set at Honolulu International Airport on June 4th at 0.92 inches, breaking the old record of 0.41 inches set on the same day in 1972. The Waimanalo Irrigation System water level was marked at 58 feet on Monday, June 1st; down from the previous week's reading of 58.25 feet. A 10 percent voluntary water conservation is in place.

Kauai County

Kauai experienced daily rainfall which was quite heavy at times. According to the Drought Monitor, all of Kauai continued to be free from any drought conditions.



Agricultural Highlights

Orchards

Orchards were generally in good condition. The added rainfall this week was beneficial.

Vegetables

Vegetables were in generally good condition as well. Although, farmers faced some challenges in areas inundated with rain and flooding.

Livestock and Pasture

Pastures were in fair to good condition throughout the State. The increase in rainfall this week was very beneficial in easing drought conditions for now.

Mark Hudson, Director

Larry Chun, Agricultural Statistician

U.S. Drought Monitor

Hawaii

May 31, 2011
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	39.20	60.80	32.65	2.67	0.00	0.00
Last Week (05/24/2011 map)	39.20	60.80	32.65	2.67	0.00	0.00
3 Months Ago (03/01/2011 map)	27.79	72.21	66.04	10.31	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 (05/25/2010 map)	32.90	67.10	49.40	42.29	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.

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



Released Thursday, June 2, 2011
Anthony Artusa, NOAA/NWS/NCEP/CPC

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	1.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	8.0 _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	9.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	25.1 _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	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	27.8 _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	16.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	54.2 _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	3.5	*	0.0	0.0	0.0	0.0	0.0	0.0	17.6 _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	7.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	30.6 _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 _p	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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	14.9 _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	0.1	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 _p	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	12.7	3.4	0.0	0.0	0.0	0.0	0.0	0.0	29.8 _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	8.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	24.2 _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	2.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	19.1 _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	2.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	17.8 _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	3.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0	9.4 _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	19.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	21.8 _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	12.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	34.7 _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 June 5, 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)	0.12	0.00	0.01	0.00	0.00	0.00	0.44	0.57	8.00 p
2. Kealakekua (HI84)	0.00	0.00	0.15	0.00	0.00	0.08	0.04	0.27	25.11 p
3. Laupahoehoe (HI80)	0.08	0.00	0.04	0.26	0.04	0.02	1.20	1.64	27.75 p
4. Mt. View (HI81)	0.08	0.04	0.37	0.45	0.21	0.35	0.12	1.62	54.16 p
5. Pahala (HI85)	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.02	17.57 p
6. Pahoa (HI83)	0.03	0.02	0.26	0.53	0.19	0.18	0.04	1.25	30.60 p
Island of Maui									
7. Hana (HI61)	M	M	M	M	M	M	M	0.00	8.24 p
8. Kula (HI65)	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.09	14.92 p
9. Lahainaluna (HI60)	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	3.60 p
10. Wailuku (HI66)	M	M	M	M	M	M	M	M	0.00 p
Island of Oahu									
11. Kahuku (HI09)	0.00	0.02	0.06	0.36	0.01	2.82	0.11	3.38	29.78 p
12. Mililani (HI14)	0.00	0.00	0.13	0.04	0.00	1.03	0.05	1.25	24.20 p
13. Waianae (HI17)	0.00	0.00	0.00	0.00	0.03	0.16	0.01	0.20	19.10 p
14. Waimanalo (HI13)	0.00	0.04	0.07	0.01	0.04	0.55	0.12	0.83	17.75 p
Island of Kauai									
15. Moloaa Dairy	0.01	0.01	0.19	0.28	0.02	0.08	0.59	1.18	9.38 p
16. Hanalei (HI45)	0.00	0.04	0.56	0.16	0.50	0.34	0.52	2.12	21.79 p
17. Omao (HI51)	0.02	0.25	0.06	0.03	0.67	0.33	0.60	1.96	34.73 p

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