



# Hawaii Weekly Crop Weather Report

National  
Agricultural  
Statistics  
Service

Week ending: May 20, 2012

In Cooperation with the Hawaii Department of Agriculture

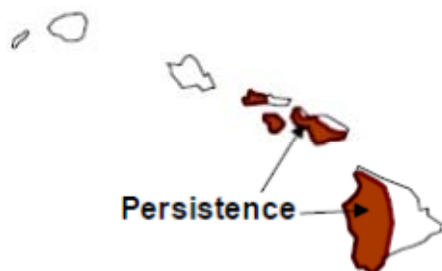
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## Sparse Rains in Most Areas



### Weather Review

On May 15, 2012, the U.S. Drought Monitor reported no change in drought conditions from last week. This is the third consecutive week drought conditions have held constant. The seasonal drought outlook for Hawaii from May 17 through July 31, 2012 indicated drought conditions are likely to either persist or intensify for leeward areas in Hawaii and Maui Counties.



### Hawaii County

This week the weather was mostly dry island-wide, with scattered light showers falling mostly during the nights and mornings. Windward, the continued dry weather was beginning to show in some pastures in the Honokaa/Kamuella area, and farmers there were actively irrigating crops. The Island Dairy gage in Ookala, which collected 1.13 inches of rain from

Saturday to Sunday, was the only rain gage on the island to record more than an inch of rain all week. Leeward areas remained characteristically dry, though there were some scattered light showers concentrating in the area from Honaunau to Kainaliu. The Waimea Irrigation System's water level was marked at 45.5 feet (45.3 million gallons) on Monday, May 21, 2012, a decrease 3.5 feet or 7 percent from the reading taken May 14, 2012. **Conservation status remained unrestricted.**

### Maui County

The weather for Maui has continued to mostly sunny and fair. Winds were transitioning from the normal trades to more south Kona winds. This limited precipitation to isolated windward and upper elevation areas. The central and leeward sections of the island continue to dry out. Irrigation for crops is essential to maintain steady progress. Active harvesting of sugar cane was noted this week. Pastures have continued to decline in condition for most areas. Some pastures along the windward sections of Maui and parts of the Upcountry area did receive some precipitation this week. The Molokai Irrigation System water level was marked at 16.25 feet (357.5 million gallons) on Monday, May 21, 2012, down 0.25 foot or 2 percent from the reading taken on Monday May 14, 2012. **Mandatory 30 percent water conservation measures were in effect for all non-homestead users.**

### Honolulu County

Rains were light and scattered on the windward coasts and slopes while mountainous locations received some precipitation. The Waimanalo Irrigation System water level was marked at 48.50 feet (36.7 million gallons) on Monday, May 21, 2012, down 0.75 foot or 2 percent from the reading taken on the previous Monday. **A voluntary 10 percent conservation status is in effect.**

### Kauai County

The National Weather Service's Hydronet system of automated rain gauges on Kauai averaged 0.13 inches of rainfall during the week. Despite the small rainfall amounts, Kauai County continued to be the only county with no reported drought conditions present according to the U.S. Drought Monitor.



### Agricultural Highlights

#### Orchards and Vegetables

Weather conditions did not disrupt planting and harvesting activities in most locations. Irrigation, where available, sustained vegetable and fruit growth and development.

#### Livestock and Pasture

Pasture conditions continued to be dry especially on leeward locations.

Mark Hudson, Director  
Ryan Schlecht, Statistician

Naomi Landgraf, Research Statistician – Maui County  
Sara Kamibayashi, Research Statistician – Hawaii County

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.

# U.S. Drought Monitor

## Hawaii

May 15, 2012

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	40.00	60.00	46.43	28.38	5.82	0.00
Last Week (05/08/2012 map)	40.00	60.00	46.43	26.85	5.82	0.00
3 Months Ago (02/14/2012 map)	9.30	90.70	50.85	31.28	4.35	0.00
Start of Calendar Year (12/27/2011 map)	43.55	56.45	47.37	28.72	1.66	0.00
Start of Water Year (09/27/2011 map)	5.02	94.98	44.93	14.84	0.85	0.00
One Year Ago (05/10/2011 map)	43.08	56.92	38.93	4.59	0.00	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://droughtmonitor.unl.edu>



Released Thursday, May 17, 2012  
Brad Rippey, U.S. Department of Agriculture

## Monthly Trend for Selected Stations

Comparison of 2012 cumulative monthly and annual totals with average monthly totals for selected stations. <sup>1/</sup>

Station name		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
<i>Inches</i>														
<b>Island of Hawaii</b>														
1. Kamuela	2012	0.4	0.9	3.4	1.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4
	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	2012	0.3	0.2	0.5	4.5	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9
	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	2012	1.0	11.7	10.6	4.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9
	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	2012	4.0	20.4	15.0	12.3	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.4
	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	2012	4.1	3.4	3.3	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5
	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	2012	6.6	10.4	13.0	8.2	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.2
	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
<b>Island of Maui</b>														
7. Hana	2012	0.0 <sub>p</sub>	0.0 <sub>p</sub>	0.0 <sub>p</sub>	0.0 <sub>p</sub>	0.0 <sub>p</sub>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 <sub>p</sub>
	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	2012	*	1.3	4.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6
	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	2012	*	0.4	1.3	0.1	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
	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	2012	0.0 <sub>p</sub>	0.0 <sub>p</sub>	0.0 <sub>p</sub>	0.0 <sub>p</sub>	* <sub>p</sub>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	* <sub>p</sub>
	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
<b>Island of Oahu</b>														
11. Kahuku	2012	0.0	1.0	8.4 <sub>p</sub>	1.3	0.5 <sub>p</sub>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1 <sub>p</sub>
	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	2012	0.7 <sub>p</sub>	2.1	7.4	3.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4 <sub>p</sub>
	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	2012	0.0	1.4	3.2	0.1	* <sub>p</sub>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7 <sub>p</sub>
	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	2012	0.2	1.3	12.9	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8
	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
<b>Island of Kauai</b>														
15. Moloaa Dairy	2012	5.3	6.6	19.4 <sub>p</sub>	1.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.0 <sub>p</sub>
	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	2012	1.4	11.4	51.8	4.7	2.0 <sub>p</sub>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.3 <sub>p</sub>
	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	2012	2.2	11.2	8.1	3.8	1.7 <sub>p</sub>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.9 <sub>p</sub>
	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

<sup>1/</sup> 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 20, 2012  
Daily, weekly, and year-to-date precipitation totals for selected Hawaii stations.<sup>1/</sup>

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		
<b>Island of Hawaii</b>					<i>Inches</i>				
1. Kamuela (HI86)	0.00	0.00	0.00	0.00	0.10	0.00	0.15	0.25	7.36
2. Kealakekua (HI84)	0.14	0.01	0.01	0.01	0.00	0.18	0.26	0.61	9.94
3. Laupahoehoe (HI80)	0.03	0.00	0.00	0.11	0.04	0.14	0.22	0.54	30.93
4. Mt. View (HI81)	0.06	0.01	0.00	0.16	0.49	0.11	0.26	1.09	56.42
5. Pahala (HI85)	0.21	0.00	0.00	0.01	0.00	0.00	0.00	0.22	11.54
6. Pahoa (HI83)	0.24	0.00	0.00	0.16	0.20	0.24	0.38	1.22	43.18
<b>Island of Maui</b>									
7. Hana (HI61)	M	M	M	M	M	M	M	M	0.00 p
8. Kula (HI65)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.64
9. Lahainaluna (HI60)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.74
10. Wailuku (HI66)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	M	0.01 p
<b>Island of Oahu</b>									
11. Kahuku (HI09)	0.00	0.00	0.00	0.00	0.03	0.02	0.00	0.05	11.06 p
12. Mililani (HI14)	0.00	0.00	0.00	0.01	0.16	0.00	0.05	0.22	14.39 p
13. Waianae (HI17)	0.00	0.00	0.00	0.00	M	M	M	0.00	4.67 p
14. Waimanalo (HI13)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.79
<b>Island of Kauai</b>									
15. Moloaa Dairy	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.03	33.03 p
16. Hanalei (HI45)	0.00	0.00	0.00	0.02	0.08	0.00	0.01	0.11	71.28 p
17. Omao (HI51)	0.01	0.01	0.01	0.00	0.19	0.02	0.00	0.24	26.88 p

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