



# Hawaii Crop Weather



Week ending: August 2, 2015

## In Cooperation with the Hawaii Department of Agriculture

Pacific Region, Hawaii · 300 Ala Moana · Honolulu, HI 96814-2512 · 1-800-804-9514 · [www.nass.usda.gov/hi](http://www.nass.usda.gov/hi)



## Weather Review

On July 28, the U.S. Drought Monitor reported that 65.68 percent of the State was abnormally dry or drier. Unusual heat has characterized the Hawaiian Islands during July. Through July 27th, Honolulu, Oahu, had reached or exceeded the 90-degree mark on 16 July days, compared to 6 such days in July 2014 and none in each July from 2010 to 2013. Kahului, Maui, had reached or exceeded the 90-degree mark on 15 July days, compared to 8 such days in July 2014, 11 days in July 2013, and a total of 4 days from 2010 to 2012. A mixed precipitation pattern characterized the week in Hawaii, but no changes were made on the map. Complete information provided by the Drought Monitor can be found on their website at <http://droughtmonitor.unl.edu>. The precipitation across the state averaged 0.71 inches for the week ending on August 2, 2015.

### Hawaii County

Over the past week, light to moderate trade winds brought daily light precipitation to the windward side of the island. Temperatures remained in the mid-eighties island wide during the day. Rainfall last week was generally less than an inch in most districts with Kau receiving slightly greater than an inch early in the week. Upper portions of South

Kohala also saw precipitation slightly over one inch in a 24-hour period greater than one day last week.

The Waimea Irrigation Systems level at the Puukapu reservoir was marked at 50.00 feet (51.70 MG) on July 29, 2015, unchanged from the level recorded the previous week on July 24. The Puu Pulehu reservoir was marked at 18.50 feet (106.75 MG) on July 29, unchanged from the level recorded one week prior on July 24. Mandatory 10 percent conservation remains. The Honokaia Reservoir was 8.0 feet (1.00 MG) on July 29, unchanged from the previous Friday's reading. The water level at the Paauilo reservoir was marked at 21.00 feet (10.00 MG) on July 29, unchanged from the previous Friday's reading. The Paauilo and Honokaia Reservoirs feed into the Lower Hamakua Irrigation System where no conservation measures were in effect.

### Honolulu County

The Waimanalo Irrigation System water level was marked at 59.75 feet (54.86 MG) on Wednesday, July 29, 2015, up 0.75 feet from the previous Friday's reading. No conservation measures were in effect.

### Maui County

The Molokai Irrigation System water level was marked at 33.75 feet (742.50 MG) on Wednesday, July 29, 2015, down 0.25 feet from the July

24 reading. Conservation measures urged all non-homestead water users to cutback water consumption by 10 percent.



## Agricultural Highlights

On the Big Island, the leeward areas were mostly dry with some afternoon clouds and showers that benefitted most coffee crops. Some citrus crops had fruit development progressing well. Other field crops were progressing well with the warm and humid growing conditions. For some crops, the humid and warm conditions contributed to a rise in mildew, fungus and an increase in crop maintenance for these pests. Although the rain received this past week was generally light, reservoir levels maintained full levels.

Kathy King, State Statistician

Cheresa Coles, Research Statistician – Hawaii County

## Monthly Trend for Selected Stations

Comparison of 2015 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	2015	0.1 <sub>p</sub>	2.1 <sub>p</sub>	5.4	1.1	2.1	3.0	2.6 <sub>p</sub>	0.6	0.0	0.0	0.0	0.0	17.1 <sub>p</sub>
	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	2015	1.7	1.5	3.5	9.9	2.3 <sub>p</sub>	3.7 <sub>p</sub>	0.0 <sub>p</sub>	0.0 <sub>p</sub>	0.0	0.0	0.0	0.0	22.6 <sub>p</sub>
	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	2015	5.8	3.6	7.7 <sub>p</sub>	9.9	6.1	5.8	6.4 <sub>p</sub>	1.4	0.0	0.0	0.0	0.0	46.6 <sub>p</sub>
	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	2015	4.6	3.8	6.7	16.6 <sub>p</sub>	12.2 <sub>p</sub>	10.4	11.7 <sub>p</sub>	1.6	0.0	0.0	0.0	0.0	67.4 <sub>p</sub>
	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	2015	1.0	2.0	2.0	0.0 <sub>p</sub>	* <sub>p</sub>	2.3	2.8 <sub>p</sub>	0.0	0.0	0.0	0.0	0.0	10.0 <sub>p</sub>
	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	2015	2.6	4.8	9.6	13.8	7.2 <sub>p</sub>	7.4	2.4 <sub>p</sub>	0.0 <sub>p</sub>	0.0	0.0	0.0	0.0	47.7 <sub>p</sub>
	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	2015	4.4	3.6	10.4	4.7	5.7	3.3	5.4	*	0.0	0.0	0.0	0.0	37.5
	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	2015	4.8	8.5	4.2	2.3	2.1	3.0	5.5	0.0	0.0	0.0	0.0	0.0	30.3
	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	2015	0.6	0.9	1.7	0.4	0.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	4.3
	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	2015	0.9 <sub>p</sub>	3.9	7.0 <sub>p</sub>	0.6 <sub>p</sub>	2.1	1.2	1.7	0.1	0.0	0.0	0.0	0.0	17.4 <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	2015	2.5	3.4	2.1	2.0 <sub>p</sub>	1.5	1.4	2.0	*	0.0	0.0	0.0	0.0	14.9 <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	2015	1.4 <sub>p</sub>	16.0	1.2	3.6	2.0	1.2	1.4	0.0	0.0	0.0	0.0	0.0	26.7 <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	2015	0.0 <sub>p</sub>	0.0 <sub>p</sub>	0.1 <sub>p</sub>	0.3	0.3	0.3	0.8	0.0	0.0	0.0	0.0	0.0	1.8 <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	2015	2.4	3.1	3.4	4.6	2.5	0.8	1.5	0.1	0.0	0.0	0.0	0.0	18.3
	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	2015	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 <sub>p</sub>	0.0 <sub>p</sub>	0.0	0.0	0.0	0.0	0.0 <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	2015	4.5	2.7	2.5 <sub>p</sub>	0.0 <sub>p</sub>	0.0 <sub>p</sub>	0.0	0.0 <sub>p</sub>	0.0 <sub>p</sub>	0.0	0.0	0.0	0.0	9.7 <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	2015	1.3	1.6	1.9	3.6	11.5 <sub>p</sub>	1.8	3.4	0.2	0.0	0.0	0.0	0.0	25.1 <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 August 2, 2015  
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		
<i>Inches</i>									
<b>Island of Hawaii</b>									
1. Kamuela (HI86)	0.00	0.64	0.00	0.01	0.03	0.04	0.60	1.32	17.06 p
2. Kealahou (HI84)	M	M	M	M	M	M	M	0.00	22.62 p
3. Laupahoehoe (HI80)	0.03	0.00	0.00	0.00	0.35	0.25	1.13	1.76	46.63 p
4. Mt. View (HI81)	0.29	1.35	0.00	0.00	0.38	0.12	1.43	3.57	67.36 p
5. Pahala (HI85)	0.18	0.12	0.00	0.00	0.00	0.00	0.00	0.30	10.01 p
6. Pahoa (HI83)	M	M	M	M	M	M	M	0.00	47.72 p
<b>Island of Maui</b>									
7. Hana (HI61)	0.06	0.64	0.00	0.03	0.08	0.03	0.00	0.84	37.52
8. Kula (HI65)	0.03	0.61	0.00	0.00	0.00	0.00	0.00	0.64	30.34
9. Lahainaluna (HI60)	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.23	4.26
10. Wailuku (HI66)	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	17.37 p
<b>Island of Oahu</b>									
11. Kahuku (HI09)	0.00	0.00	0.00	0.00	0.09	0.02	0.01	0.12	14.88 p
12. Mililani (HI14)	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.28	26.70 p
13. Waianae (HI17)	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.14	1.75 p
14. Waimanalo (HI13)	0.00	0.00	0.00	0.01	0.00	0.11	0.00	0.12	18.29
<b>Island of Kauai</b>									
15. Moloaa Dairy	M	M	M	M	M	M	M	0.00	0.00 p
16. Hanalei (HI45)	M	M	M	M	M	M	M	0.00	9.65 p
17. O'ahu (HI51)	0.03	0.01	0.00	0.00	0.02	0.18	0.02	0.26	25.12 p

<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.

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