



Hawaii Crop Weather



Week ending: September 6, 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



Weather Review

On September 1, the U.S. Drought Monitor reported that 44.57 percent of the State was abnormally dry or drier. Hawaii had no changes due to rainfall data uncertainty, pending reassessment next week. Complete information provided by the Drought Monitor can be found on their website at <http://droughtmonitor.unl.edu>. For the week ending on September 6, 2015, the state rainfall averaged 1.14 inches.

Hawaii County

The past week on the Big Island was very warm and humid with mostly variable winds. Leeward sections of the island received scattered showers throughout the week which brought up to 3 inches of rain per hour. South Kohala and Hamakua districts also received heavy rainfall which resulted in flooding in some pastures and greater than normal stream flow. Pastures in the North and South Kohala areas were green with forage growing well from low to upper elevations. Windward areas received much lighter precipitation and had typically hazy skies for most of the week. Daytime temperatures around the island continued to reach into the high-eighties with some areas reaching into the low-nineties. Hilo set or tied record high

temperatures several times this past week.

The Waimea Irrigation Systems level at the Puukapu reservoir was marked at 50.00 feet (51.70 MG) on Thursday, September 3, 2015, 3.50 feet above the level recorded the previous week on Friday, August 28. The Puu Pulehu reservoir was marked at 18.50 feet (106.75 MG) on September 3, unchanged from the level recorded one week prior on August 28. Mandatory 10 percent conservation remains. The Honokaia Reservoir was 8.0 feet (1.00 MG) on September 3, unchanged from the previous Friday's reading. The water level at the Paauilo reservoir was marked at 21.00 feet (10.00 MG) on September 3, 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 62.00 feet (59.00 MG) on Thursday, September 3, 2015, unchanged from the previous Friday's reading. No conservation measures were in effect.

Maui County

The Molokai Irrigation System water level was marked at 35.25 feet

(775.50 MG) on Thursday, September 3, 2015, 1.00 foot above the August 28 reading. Conservation measures urged all non-homestead water users to cutback water consumption by 10 percent.



Agricultural Highlights

On the Big Island, various orchard crops of papaya, citrus, and dracaena were progressing well. Citrus trees also progressed well with a good fruit set; some harvesting began. Reservoir levels in Waimea reached full capacity from the rainfall received last week. In parts of Waimea, soil was saturated around the vegetable crops which decreased the need for supplemental irrigation.

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. ^{1/}

Station name		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
<i>Inches</i>														
Island of Hawaii														
1. Kamuela	2015	0.1 _p	2.1 _p	5.4	1.1	2.1	3.0	2.6 _p	6.9	0.6	0.0	0.0	0.0	23.9 _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	2015	1.7	1.5	3.5	9.9	2.3 _p	3.7 _p	0.0 _p	0.0 _p	0.0 _p	0.0	0.0	0.0	22.6 _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	2015	5.8	3.6	7.7 _p	9.9	6.1	5.8	6.4 _p	14.8	0.7	0.0	0.0	0.0	60.8 _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	2015	4.6	3.8	6.7	16.6 _p	12.2 _p	10.4	11.7 _p	21.7 _p	0.0 _p	0.0	0.0	0.0	87.5 _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	2015	1.0	2.0	2.0	0.0 _p	* _p	2.3	2.8 _p	10.3	0.7	0.0	0.0	0.0	21.0 _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	2015	2.6	4.8	9.6	13.8	7.2 _p	7.4	2.4 _p	0.0 _p	0.0 _p	0.0	0.0	0.0	47.7 _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	2015	4.4	3.6	10.4	4.7	5.7	3.3	5.4	11.3	0.5	0.0	0.0	0.0	49.3
	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	9.5	0.8	0.0	0.0	0.0	40.6
	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	2015	0.6	0.9	1.7	0.4	0.1	0.3	0.3	0.8	0.5	0.0	0.0	0.0	5.6
	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 _p	3.9	7.0 _p	0.6 _p	2.1	1.2	1.7	6.4	1.4	0.0	0.0	0.0	25.1 _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	2015	2.5	3.4	2.1	2.0 _p	1.5	1.4	2.0	3.4	0.5	0.0	0.0	0.0	18.7 _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	2015	1.4 _p	16.0	1.2	3.6	2.0	1.2	1.4	5.6 _p	0.9	0.0	0.0	0.0	33.2 _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	2015	0.0 _p	0.0 _p	0.1 _p	0.3	0.3	0.3	0.8	1.6	1.0	0.0	0.0	0.0	4.3 _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	2015	2.4	3.1	3.4	4.6	2.5	0.8	1.5	8.5	1.4	0.0	0.0	0.0	28.1
	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	2015	0.0 _p	0.0 _p	0.0 _p	0.0 _p	0.0 _p	0.0	0.0 _p	8.0 _p	1.6	0.0	0.0	0.0	9.6 _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	2015	4.5	2.7	2.5 _p	0.0 _p	0.0 _p	0.0	0.0 _p	0.0 _p	0.0 _p	0.0	0.0	0.0	9.7 _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	2015	1.3	1.6	1.9	3.6	11.5 _p	1.8	3.4	5.2	2.5	0.0	0.0	0.0	32.6 _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 September 6, 2015
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)	0.09	0.02	0.01	0.23	0.32	0.00	0.00	0.67	23.93 p
2. Kealahou (HI84)	M	M	M	M	M	M	M	0.00	22.62 p
3. Laupahoehoe (HI80)	0.10	0.00	0.05	0.69	0.00	0.00	0.00	0.84	60.77 p
4. Mt. View (HI81)	M	M	M	M	M	M	M	0.00	87.50 p
5. Pahala (HI85)	0.00	0.00	0.00	0.31	0.03	0.02	0.38	0.74	21.03 p
6. Pahoa (HI83)	M	M	M	M	M	M	M	0.00	47.72 p
Island of Maui									
7. Hana (HI61)	0.28	0.07	0.00	0.41	0.00	0.00	0.02	0.78	49.29
8. Kula (HI65)	0.40	0.06	0.30	0.00	0.06	0.12	0.25	1.19	40.59
9. Lahainaluna (HI60)	0.00	0.00	0.20	0.15	0.14	0.00	0.00	0.49	5.56
10. Wailuku (HI66)	0.22	0.06	0.06	0.01	1.30	0.00	0.00	1.65	25.10 p
Island of Oahu									
11. Kahuku (HI09)	0.00	0.05	0.05	0.19	0.20	0.01	0.00	0.50	18.72 p
12. Mililani (HI14)	0.00	0.01	0.02	0.08	0.49	0.00	0.25	0.85	33.18 p
13. Waianae (HI17)	0.00	0.04	0.00	0.00	0.89	0.01	0.01	0.95	4.32 p
14. Waimanalo (HI13)	0.00	0.09	0.00	0.46	0.80	0.00	0.04	1.39	28.08
Island of Kauai									
15. Moloaa Dairy	0.25	1.12	0.02	0.10	0.02	0.37	0.00	1.88	9.61 p
16. Hanalei (HI45)	M	M	M	M	M	M	M	0.00	9.65 p
17. Omao (HI51)	0.44	1.72	0.01	0.00	0.08	0.65	0.00	2.90	32.55 p

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