



Hawaii Crop Weather

Week ending: September 16, 2018

In Cooperation with the Hawaii Department of Agriculture

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Weather Review

On September 11, the U.S. Drought Monitor reported some abnormally dry conditions for the entire state.

Based upon the full set of August rainfall and FSA input, adjustments were made to the Big Island and Maui depictions. In the Big Island, the districts of Kau and South Kona improved from Moderate drought to Abnormally dry, and sufficient rainfall occurred on the slopes of the North Kona and South Kohala districts for a severe drought to a moderate drought change; however, lower elevations received much less rain, and were left unchanged.

In Maui, the area from Maalaea to Kihei measured surplus monthly amounts and improved from severe drought to moderate drought, but the lower leeward slopes of the West Maui Mountains received far less rain and remained at severe drought. The rest of the islands were status quo.

Complete information provided by the Drought Monitor can be found on their website at <http://droughtmonitor.unl.edu>. For the week ending on September 16, 2018, the state rainfall averaged 4.15 inches.

Hawaii County

The Waimea Irrigation Systems level at the Puukapu reservoir was marked at 48.00 feet (49.10 MG) as of Thursday, September 13, 2018, down 2.00 feet from the previous Friday reading. The Puu Pulehu reservoir was marked at 18.50 feet (106.75 MG) on September 13, unchanged from the prior Friday. A mandatory ten percent conservation remained in effect.

The Honokaia Reservoir was at 8.00 feet (1.00 MG) as of Thursday, September 13, unchanged from the previous Friday reading.

The water level at the Paauilo reservoir was marked at 0 feet (0 MG) on Thursday, September 13, unchanged from the previous Friday 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 49.50 feet (38.18 MG) as of Thursday, September 13, 2018 up 1.00 feet from the previous Friday reading. No conservation measures were in effect.

Maui County

The Molokai Irrigation System water level was marked at 41.25 feet on Thursday, September 13, 2018 up 1.00 feet from the previous Friday reading. Conservation measures urged all non-homestead water users to cutback water consumption by ten percent.

The Waikamoi reservoir #1 water level was marked at 12.30 MG on Monday, September 10, 2018, down 2.50 MG from the previous Friday reading. The Waikamoi reservoir #2 water level was marked at 11.70 MG on the same day, a decrease of 2.30 feet from the previous Friday reading. Each reservoir has a 15.00 MG capacity.

The Kahakapao reservoir #1 was marked at 47.90 MG on Monday, September 10, 2018 up 1.60 MG from the previous Friday reading. The Kahakapao reservoir #2 water level was marked at 47.40 MG on the same day, with an increase of 1.30 MG from the previous Friday reading. Each reservoir has a 50.00 MG capacity.

The Piiholo reservoir was recorded at 42.60 MG on Monday, September 10, 2018, up 5.30 MG from the previous Friday reading. This reservoir has a capacity of 50.00 MG.

Kathy King, State Statistician

Monthly Trend for Selected Stations

Comparison of 2018 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	2018	1.6	6.2	4.2	9.9 _p	5.3 _p	3.1	5.2	9.4	5.2	0.0	0.0	0.0	50.1 _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	2018	0.5	3.9	1.6 _p	3.3 _p	1.2 _p	1.3	3.7	7.8	1.5	0.0	0.0	0.0	24.8 _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	2018	12.6	8.6	8.7	9.6 _p	14.5 _p	8.5	8.0	13.0 _p	5.7	0.0	0.0	0.0	89.1 _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	2018	19.1	26.3 _p	14.5	22.7 _p	15.4 _p	11.6	9.6	35.4	9.9	0.0	0.0	0.0	164.6 _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	2018	3.4	31.6	6.8	5.7 _p	2.3 _p	0.3	1.0	22.3	2.0	0.0	0.0	0.0	75.4 _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. Pahoia	2018	19.8	35.2	11.7	16.5 _p	12.4 _p	9.5	15.0	34.9	5.2	0.0	0.0	0.0	160.2 _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	2018	2.8	14.8	12.9	10.5 _p	6.6 _p	1.8	4.9 _p	15.4	5.5	0.0	0.0	0.0	75.2 _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	2018	0.7	18.8	2.3	9.9 _p	1.6 _p	0.9	2.2	6.6	2.2	0.0	0.0	0.0	45.2 _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	2018	0.0 _p	7.3	0.5	2.7 _p	0.2 _p	*	0.1	0.6	0.2	0.0	0.0	0.0	11.6 _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	2018	0.2	4.3 _p	3.8	14.1 _p	2.8 _p	0.1	1.0	4.1	3.2	0.0	0.0	0.0	33.5 _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	2018	1.3	21.0	2.4	4.7 _p	0.9 _p	1.5	1.5	3.4	3.5	0.0	0.0	0.0	40.1 _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	2018	1.3	11.9	4.0	4.0 _p	0.9 _p	2.1	1.1	7.0	6.1	0.0	0.0	0.0	38.4 _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	2018	0.0	3.7 _p	1.8	2.0 _p	0.1 _p	*	0.1	0.9	1.5	0.0	0.0	0.0	10.0 _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	2018	0.7	14.2	4.9	9.8 _p	1.1 _p	0.7	0.8	1.8	5.8	0.0	0.0	0.0	39.6 _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	2018	1.2	4.4	0.5 _p	0.0 _p	0.0 _p	1.2	2.4	2.6	0.5	0.0	0.0	0.0	12.7 _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	2018	3.5	22.2	14.2	37.2 _p	8.2 _p	7.9 _p	13.0	30.5	7.6	0.0	0.0	0.0	144.2 _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	2018	2.7	14.8	8.1	7.8 _p	3.5 _p	3.2 _p	3.3	11.2	2.0	0.0	0.0	0.0	56.5 _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 16, 2018
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		
Island of Hawaii	<i>Inches</i>								
1. Kamuela (HI86)	0.17	0.07	0.98	1.61	0.07	0.02	0.08	3.00	50.11 p
2. Kealahou (HI84)	0.00	0.00	0.00	0.00	1.50	0.00	0.00	1.50	24.76 p
3. Laupahoehoe (HI80)	0.05	0.01	0.06	0.35	0.85	2.08	0.70	4.10	89.10 p
4. Mt. View (HI81)	0.00	0.00	0.03	3.34	0.90	1.05	1.58	6.90	164.62 p
5. Pahala (HI85)	0.00	0.03	0.00	0.29	1.49	0.00	0.00	1.81	75.41 p
6. Pahoa (HI83)	0.08	0.05	0.09	3.05	0.42	0.15	0.17	4.01	160.16 p
Island of Maui									
7. Hana (HI61)	0.00	0.04	2.54	1.25	0.01	0.30	0.16	4.30	75.18 p
8. Kula (HI65)	0.00	0.00	0.27	1.29	0.00	0.00	0.05	1.61	45.16 p
9. Lahainaluna (HI60)	0.00	0.00	0.11	0.05	0.00	0.00	0.01	0.17	11.57 p
10. Wailuku (HI66)	0.00	0.01	1.95	0.26	0.00	0.08	0.01	2.31	33.49 p
Island of Oahu									
11. Kahuku (HI09)	0.00	0.00	0.02	2.10	1.09	0.01	0.01	3.23	40.05 p
12. Mililani (HI14)	0.00	0.00	0.22	4.65	0.58	0.26	0.00	5.71	38.41 p
13. Waianae (HI17)	0.00	0.00	0.00	0.79	0.09	0.00	0.00	0.88	10.03 p
14. Waimanalo (HI13)	0.00	0.00	0.18	4.44	0.56	0.00	0.01	5.19	39.64 p
Island of Kauai									
15. Moloaa Dairy	0.02	0.01	0.02	0.01	0.02	0.02	0.01	0.11	12.68 p
16. Hanalei (HI45)	0.00	0.04	0.55	0.82	2.54	0.16	0.04	4.15	144.23 p
17. Omao (HI51)	0.00	0.00	0.05	0.74	0.04	0.09	0.14	1.06	56.54 p

^{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.

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