



# Hawaii Crop Weather

Week ending: October 14, 2018

In Cooperation with the Hawaii Department of Agriculture

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## Weather Review

On October 9, the U.S. Drought Monitor reported mostly normal conditions for the entire state.

Storminess in Hawaii led to continued improvement there. Drought has been eliminated, and only two small areas remain abnormally dry near the coast in northwestern Maui and northwestern Hawaii Island. Complete information provided by the Drought Monitor can be found on their website at <http://droughtmonitor.unl.edu>. For the week ending on October 14, 2018, the state rainfall averaged 4.15 inches.

### Hawaii County

The Waimea Irrigation Systems level at the Puukapu reservoir was marked at 50.00 feet (51.70 MG) as of Friday, October 12, 2018, unchanged from the previous Wednesday reading. The Puu Pulehu reservoir was marked at 18.10 feet (104.00 MG) on October 12, unchanged from the prior Wednesday. A mandatory ten percent conservation remained in effect.

The Honokaia Reservoir was at 8.00 feet (1.00 MG) as of Friday,

October 12, unchanged from the previous Wednesday reading.

The water level at the Paaulo reservoir was marked at 0 feet (0 MG) on Friday, October 12, unchanged from the previous Wednesday reading. The Paaulo 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 Friday, October 12, 2018 up 5.00 feet from the previous Wednesday reading. No conservation measures were in effect.

### Maui County

The Molokai Irrigation System water level was marked at 41.00 feet on Friday, October 12, 2018 unchanged from the previous Wednesday 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 5.70 MG on Friday, October 5, 2018, down 4.50 MG from the previous Friday reading. The Waikamoi reservoir #2 water level was marked at

4.80 MG on the same day, a decrease of 5.40 feet from the previous Friday reading. Each reservoir has a 15.00 MG capacity.

The Kahakapao reservoir #1 was marked at 47.70 MG on Friday, October 5, 2018 up 0.50 MG from the previous Friday reading. The Kahakapao reservoir #2 water level was marked at 47.40 MG on the same day, up 0.40 MG the previous Friday reading. Each reservoir has a 50.00 MG capacity.

The Piiholo reservoir was recorded at 48.40 MG on Friday, October 5, 2018, down 0.30 MG from the previous Friday reading. This reservoir has a capacity of 50.00 MG.

Note:

Reservoir readings for Waikamoi, Kahakapao and Piiholo reservoirs were unavailable at the time of this report.

Kathy King, State Statistician

## Monthly Trend for Selected Stations

Comparison of 2018 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	2018	1.6	6.2	4.2	9.9 <sub>p</sub>	5.3 <sub>p</sub>	3.1	5.2	9.4	7.4	1.3	0.0	0.0	53.6 <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	2018	0.5	3.9	1.6 <sub>p</sub>	3.3 <sub>p</sub>	1.2 <sub>p</sub>	1.3	3.7	7.8	2.9	7.7	0.0	0.0	33.9 <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	2018	12.6	8.6	8.7	9.6 <sub>p</sub>	14.5 <sub>p</sub>	8.5	8.0	13.0 <sub>p</sub>	7.6	5.0	0.0	0.0	96.0 <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	2018	19.1	26.3 <sub>p</sub>	14.5	22.7 <sub>p</sub>	15.4 <sub>p</sub>	11.6	9.6	35.4	13.8	11.7	0.0	0.0	180.2 <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	2018	3.4	31.6	6.8	5.7 <sub>p</sub>	2.3 <sub>p</sub>	0.3	1.0	22.3	5.5	7.1	0.0	0.0	85.9 <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	2018	19.8	35.2	11.7	16.5 <sub>p</sub>	12.4 <sub>p</sub>	9.5	15.0	34.9	9.0	6.3	0.0	0.0	170.3 <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	2018	2.8	14.8	12.9	10.5 <sub>p</sub>	6.6 <sub>p</sub>	1.8	4.9 <sub>p</sub>	15.4	8.1	3.4	0.0	0.0	81.2 <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	2018	0.7	18.8	2.3	9.9 <sub>p</sub>	1.6 <sub>p</sub>	0.9	2.2	6.6	3.0	7.9	0.0	0.0	53.8 <sub>p</sub>
	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 <sub>p</sub>	7.3	0.5	2.7 <sub>p</sub>	0.2 <sub>p</sub>	*	0.1	0.6	3.4	0.1	0.0	0.0	14.9 <sub>p</sub>
	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 <sub>p</sub>	3.8	14.1 <sub>p</sub>	2.8 <sub>p</sub>	0.1	1.0	4.1	4.6	1.0	0.0	0.0	35.9 <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	2018	1.3	21.0	2.4	4.7 <sub>p</sub>	0.9 <sub>p</sub>	1.5	1.5	3.4	7.5	2.4	0.0	0.0	46.4 <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	2018	1.3	11.9	4.0	4.0 <sub>p</sub>	0.9 <sub>p</sub>	2.1	1.1	7.0	8.8	1.7	0.0	0.0	42.8 <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	2018	0.0	3.7 <sub>p</sub>	1.8	2.0 <sub>p</sub>	0.1 <sub>p</sub>	*	0.1	0.9	2.3	0.1	0.0	0.0	11.0 <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	2018	0.7	14.2	4.9	9.8 <sub>p</sub>	1.1 <sub>p</sub>	0.7	0.8	1.8	7.6	6.3	0.0	0.0	47.7 <sub>p</sub>
	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	2018	1.2	4.4	0.5 <sub>p</sub>	0.0 <sub>p</sub>	0.0 <sub>p</sub>	1.2	2.4	2.6	0.8	0.2	0.0	0.0	13.2 <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	2018	3.5	22.2	14.2	37.2 <sub>p</sub>	8.2 <sub>p</sub>	7.9 <sub>p</sub>	13.0	30.5	13.4	0.8	0.0	0.0	150.9 <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	2018	2.7	14.8	8.1	7.8 <sub>p</sub>	3.5 <sub>p</sub>	3.2 <sub>p</sub>	3.3	11.2	7.4	0.4	0.0	0.0	62.2 <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 October 14, 2018**  
**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)	0.25	0.12	0.00	0.04	0.01	0.17	0.03	0.62	53.60 p
2. Kealahou (HI84)	0.01	1.01	1.78	1.22	0.14	1.49	0.00	5.65	33.85 p
3. Laupahoehoe (HI80)	0.46	2.37	0.00	1.06	0.28	0.30	0.01	4.48	95.97 p
4. Mt. View (HI81)	2.13	5.58	0.00	0.27	0.01	0.57	0.16	8.72	180.16 p
5. Pahala (HI85)	1.67	1.31	0.00	0.79	0.16	0.04	2.10	6.07	85.93 p
6. Pahoa (HI83)	1.17	1.98	0.00	0.83	0.03	0.00	0.22	4.23	170.28 p
<b>Island of Maui</b>									
7. Hana (HI61)	0.77	0.25	0.08	0.84	0.43	0.03	0.14	2.54	81.15 p
8. Kula (HI65)	0.92	2.95	0.00	0.41	0.00	0.42	0.17	4.87	53.81 p
9. Lahainaluna (HI60)	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.14	14.94 p
10. Wailuku (HI66)	0.00	0.02	0.01	0.16	0.41	0.25	0.15	1.00	35.94 p
<b>Island of Oahu</b>									
11. Kahuku (HI09)	0.00	0.05	0.05	0.71	0.05	0.00	0.32	1.18	46.43 p
12. Mililani (HI14)	0.27	0.14	0.00	0.09	0.08	0.91	0.00	1.49	42.83 p
13. Waianae (HI17)	0.04	0.01	0.00	0.03	0.03	0.00	0.00	0.11	10.96 p
14. Waimanalo (HI13)	0.02	0.17	0.00	0.90	1.30	0.32	0.01	2.72	47.73 p
<b>Island of Kauai</b>									
15. Moloaa Dairy	0.00	0.01	0.04	0.07	0.02	0.00	0.00	0.14	13.18 p
16. Hanalei (HI45)	0.04	0.07	0.04	0.26	0.01	0.00	0.00	0.42	150.85 p
17. Omao (HI51)	0.17	0.06	0.02	0.01	0.01	0.06	0.01	0.34	62.23 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.

M = Missing. p = Partial or incomplete. e = Estimated. \* = More than zero, but less than .05 inches of rain.