



# Hawaii Crop Weather

Week ending: May 6, 2018

In Cooperation with the Hawaii Department of Agriculture

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## Weather Review

On May 1, the U.S. Drought Monitor reported normal conditions for the entire state. In the Hawaiian Islands, rainfall accumulations were light this week with the exception of the windward side of the Big Island that received accumulations ranging from 2-to-4 inches. Overall, precipitation during the past 30 days has been well above normal across most of the Hawaiian Islands, including a possible record-breaking rainfall event (currently under review) in which the rain gage at Waipa (north Kauai) recorded 49.69 inches on April 14<sup>th</sup>-15<sup>th</sup>-potentially breaking the U.S 24-hour rainfall record. Complete information provided by the Drought Monitor can be found on their website at <http://droughtmonitor.unl.edu>. For the week ending on May 6, 2018, the state rainfall averaged 0.68 inches.

### Hawaii County

The Waimea Irrigation Systems level at the Puukapu reservoir was marked at 50.00 feet (51.70 MG) as of Wednesday, May 2, 2018, unchanged from the previous Friday reading. The Puu Pulehu reservoir was marked at

18.50 feet (106.75 MG) on May 2, 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 Wednesday, May 2, unchanged from the previous Friday reading.

The water level at the Paauilo reservoir was marked at 17.00 feet (7.97 MG) on Wednesday, May 2, up 3.00 feet 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 57.75 feet (51.30 MG) as of Wednesday, May 2, 2018, down 0.50 feet from the previous Friday reading. No conservation measures were in effect.

### Maui County

The Molokai Irrigation System water level was marked at 43.50 feet on Wednesday, May 2, 2018, up 0.50 MG 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 14.80 MG on Friday, May 4, 2018, up 0.20 MG from the previous Friday reading. The Waikamoi reservoir #2 water level was marked at 14.80 MG on the same day, showed an increase of 0.80 MG from the previous Friday reading. Each reservoir has a 15.00 MG capacity.

The Kahakapao reservoir #1 was marked at 46.80 MG on Friday, May 4, 2018, down 0.40 MG from the previous Friday reading. The Kahakapao reservoir #2 water level was marked at 46.50 MG on the same day, a decrease of 0.50 MG from the previous Friday reading. Each reservoir has a 50.00 MG capacity.

The Piiholo reservoir was recorded at 42.30 MG on Friday, May 4, 2018, up 9.10 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. <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>	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0 <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>	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7 <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>	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0 <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>	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83.5 <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>	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.6 <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. Pahoia	2018	19.8	35.2	11.7	16.5 <sub>p</sub>	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83.6 <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>	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.3 <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>	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.1 <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>	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6 <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>	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.7 <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>	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.5 <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>	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.4 <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	2018	0.0	3.7 <sub>p</sub>	1.8	2.0 <sub>p</sub>	*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5 <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>	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0 <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>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0 <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	2018	3.5	22.2	14.2	37.2 <sub>p</sub>	1.4	0.0 <sub>p</sub>	0.0	0.0	0.0	0.0	0.0	0.0	78.5 <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>	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.8 <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 6, 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)	0.26	0.01	0.01	0.13	0.01	0.00	0.00	0.42	22.04 p
2. Kealahou (HI84)	0.48	0.00	0.00	0.00	0.13	0.00	0.33	0.94	9.74 p
3. Laupahoehoe (HI80)	0.16	0.00	0.00	0.14	0.45	0.00	0.00	0.75	40.02 p
4. Mt. View (HI81)	0.06	0.20	0.11	0.25	0.31	0.00	0.00	0.93	83.53 p
5. Pahala (HI85)	0.37	0.95	0.00	0.01	0.00	0.00	0.10	1.43	48.58 p
6. Pahoa (HI83)	0.34	0.18	0.01	0.04	0.08	0.00	0.00	0.65	83.57 p
<b>Island of Maui</b>									
7. Hana (HI61)	0.02	0.01	0.05	0.00	0.40	0.00	0.84	1.32	42.33 p
8. Kula (HI65)	0.12	0.01	0.00	0.01	0.00	0.37	0.00	0.51	32.06 p
9. Lahainaluna (HI60)	0.00	0.00	0.00	0.01	0.05	0.00	0.00	0.06	10.59 p
10. Wailuku (HI66)	0.00	0.00	0.01	0.01	0.20	0.09	0.11	0.42	22.74 p
<b>Island of Oahu</b>									
11. Kahuku (HI09)	0.00	0.00	0.00	0.09	0.01	0.04	0.00	0.14	29.46 p
12. Mililani (HI14)	0.00	0.00	0.15	0.07	0.00	0.06	0.00	0.28	21.43 p
13. Waianae (HI17)	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.04	7.51 p
14. Waimanalo (HI13)	0.00	0.00	0.06	0.12	0.00	0.29	0.01	0.48	30.00 p
<b>Island of Kauai</b>									
15. Moloaa Dairy	M	M	M	M	M	M	M	0.00	6.02 p
16. Hanalei (HI45)	0.16	0.01	0.00	0.74	0.55	0.11	0.03	1.60	78.53 p
17. Omao (HI51)	0.03	0.00	0.00	1.17	0.29	0.05	0.00	1.54	34.82 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.