



# Hawaii Crop Weather

Week ending: September 9, 2018

In Cooperation with the Hawaii Department of Agriculture

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## Weather Review

On September 4, the U.S. Drought Monitor reported some abnormally dry conditions for the entire state.

After a reassessment of the rains from Hurricane Lane (Aug 22-26) and any impacts in Hawaii, it appeared as though the windward sides of the islands received the huge majority of the rains, including 51.53 inches at Mountain View and 36.76 inches at Hilo on the Big Island, and 24.71 inches at West Wailuaiki on Maui. The leeward sides, unfortunately, received much less rain, with many sites recording under an inch of rain, thus no changes were made to the leeward sides of the Big Island and Maui. In contrast, Molokai received 1-4 inches of rain, and conditions were improved by 1-category. Complete information provided by the Drought Monitor can be found on their website at <http://droughtmonitor.unl.edu>. For the week ending on September 9, 2018, the state rainfall averaged 0.86 inches.

### Hawaii County

The Waimea Irrigation Systems level at the Puukapu reservoir was marked at 50.00 feet (51.70

MG) as of Friday, September 7, 2018, unchanged from the previous Friday reading. The Puu Pulehu reservoir was marked at 18.50 feet (106.75 MG) on September 7, 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 Friday, September 7, unchanged from the previous Friday reading.

The water level at the Paaulo reservoir was marked at 0 feet (0 MG) on Friday, September 7, unchanged from the previous Friday 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 48.50 feet (36.73 MG) as of Friday, September 7, 2018 up 1.75 feet from the previous Friday reading. No conservation measures were in effect.

### Maui County

The Molokai Irrigation System water level was marked at 40.25 feet on Friday, September 7, 2018 unchanged 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, September 7, 2018, unchanged from the previous Friday reading. The Waikamoi reservoir #2 water level was marked at 14.00 MG on the same day, also unchanged from the previous Friday reading. Each reservoir has a 15.00 MG capacity.

The Kahakapao reservoir #1 was marked at 46.30 MG on Friday, September 7, 2018 down 1.60 MG from the previous Friday reading. The Kahakapao reservoir #2 water level was marked at 46.10 MG on the same day, down 1.60 MG from the previous Friday reading. Each reservoir has a 50.00 MG capacity.

The Piiholo reservoir was recorded at 37.30 MG on Friday, September 7, 2018, down 1.50 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>	5.3 <sub>p</sub>	3.1	5.2	9.4	2.2	0.0	0.0	0.0	47.1 <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	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	*	0.0	0.0	0.0	23.3 <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>	1.6	0.0	0.0	0.0	85.0 <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	3.0	0.0	0.0	0.0	157.7 <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	0.2	0.0	0.0	0.0	73.6 <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. Pahoa	2018	19.8	35.2	11.7	16.5 <sub>p</sub>	12.4 <sub>p</sub>	9.5	15.0	34.9	1.1	0.0	0.0	0.0	156.2 <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	1.2	0.0	0.0	0.0	70.9 <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	0.6	0.0	0.0	0.0	43.6 <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	*	0.0	0.0	0.0	11.4 <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	0.9	0.0	0.0	0.0	31.2 <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	0.2	0.0	0.0	0.0	36.8 <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	0.4	0.0	0.0	0.0	32.7 <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	2018	0.0	3.7 <sub>p</sub>	1.8	2.0 <sub>p</sub>	0.1 <sub>p</sub>	*	0.1	0.9	0.6	0.0	0.0	0.0	9.2 <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	0.6	0.0	0.0	0.0	34.5 <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	0.4	0.0	0.0	0.0	12.6 <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	3.4	0.0	0.0	0.0	140.1 <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	1.0	0.0	0.0	0.0	55.5 <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 September 9, 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		
<b>Island of Hawaii</b>	<i>Inches</i>								
1. Kamuela (HI86)	0.00	0.11	0.11	0.09	1.82	0.03	0.01	2.17	47.11 p
2. Kealahou (HI84)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.26 p
3. Laupahoehoe (HI80)	0.00	0.69	0.03	0.20	0.66	0.01	0.00	1.59	85.00 p
4. Mt. View (HI81)	0.26	2.50	0.17	0.00	0.09	0.00	0.00	3.02	157.72 p
5. Pahala (HI85)	0.00	0.16	0.02	0.00	0.00	0.00	0.00	0.18	73.60 p
6. Pahoa (HI83)	0.34	0.38	0.27	0.05	0.10	0.00	0.00	1.14	156.15 p
<b>Island of Maui</b>									
7. Hana (HI61)	0.12	0.07	0.10	0.00	0.38	0.02	0.01	0.70	70.88 p
8. Kula (HI65)	0.00	0.02	0.06	0.00	0.00	0.33	0.00	0.41	43.55 p
9. Lahainaluna (HI60)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.40 p
10. Wailuku (HI66)	0.00	0.14	0.04	0.00	0.61	0.02	0.00	0.81	31.18 p
<b>Island of Oahu</b>									
11. Kahuku (HI09)	0.02	0.04	0.01	0.00	0.00	0.00	0.00	0.07	36.82 p
12. Mililani (HI14)	0.00	0.10	0.11	0.00	0.01	0.00	0.01	0.23	32.70 p
13. Waianae (HI17)	0.12	0.46	0.00	0.00	0.00	0.00	0.00	0.58	9.15 p
14. Waimanalo (HI13)	0.02	0.25	0.04	0.01	0.00	0.00	0.00	0.32	34.45 p
<b>Island of Kauai</b>									
15. Moloaa Dairy	0.04	0.05	0.04	0.03	0.03	0.03	0.03	0.25	12.57 p
16. Hanalei (HI45)	0.70	1.19	0.09	0.04	0.03	0.04	0.45	2.54	140.08 p
17. Omao (HI51)	0.10	0.34	0.09	0.01	0.00	0.00	0.06	0.60	55.48 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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