



# Hawaii Crop Weather

Week ending: September 2, 2018

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](http://www.nass.usda.gov/hi)



## Weather Review

On August 28, the U.S. Drought Monitor reported some abnormally dry conditions for the entire state. Hurricane Lane dumped a tremendous amount of record-breaking rainfall over parts, but not all, of Hawaii this past week, and not necessarily in agriculturally-related drought areas. As such, several areas of abnormally dry conditions improved to normal. Over Kaua'i, the small area of Kaho'olawe improved. Over Maui, where windward rainfall was excessive in some areas, the abnormally dry area was reduced toward the southwest. Notably, the area of severe drought in west Maui is consistent with the large brush fire that went out of control when Lane approached. No changes were made here. Over the Big island, the 40-50 inch and higher rainfall totals fell mainly in the existing drought-free areas. The area of abnormally dry was scaled back in the west and most was removed on the east side. Local experts continue to monitor the islands to assess how the rainfall impacts conditions. Complete information provided by the Drought Monitor can be found on their website at <http://droughtmonitor.unl.edu>. For the week ending on September 2, 2018, the state rainfall averaged 2.82 inches.

## Hawaii County

The Waimea Irrigation Systems level at the Puukapu reservoir was marked at 50.00 feet (51.70 MG) as of Friday, August 31, 2018, unchanged from the previous Monday reading. The Puu Pulehu reservoir was marked at 18.50 feet (106.75 MG) on August 31, unchanged from the prior Monday. A mandatory ten percent conservation remained in effect.

The Honokaia Reservoir was at 8.00 feet (1.00 MG) as of Friday, August 31, unchanged from the previous Monday reading.

The water level at the Paauilo reservoir was marked at 0 feet (0 MG) on Friday, August 31, unchanged from the previous Monday 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 46.75 feet (34.26 MG) as of Friday, August 31, 2018 down 0.50 feet from the previous Monday reading. No conservation measures were in effect.

## Maui County

The Molokai Irrigation System water level was marked at 40.25 feet on Friday, August 31, 2018 up 1 foot from the previous Monday 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, August 31, 2018, up 2.50 MG from the previous Tuesday reading. The Waikamoi reservoir #2 water level was marked at 14.00 MG on the same day, showed an increase of 2.60 MG from the previous Tuesday reading. Each reservoir has a 15.00 MG capacity.

The Kahakapao reservoir #1 was marked at 47.90 MG on Friday, August 31, 2018 unchanged from the previous Tuesday reading. The Kahakapao reservoir #2 water level was marked at 47.70 MG on the same day, also unchanged from the previous Tuesday reading. Each reservoir has a 50.00 MG capacity.

The Piiholo reservoir was recorded at 38.80 MG on Friday, August 31, 2018, down 9.60 MG from the previous Tuesday 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	*	0.0	0.0	0.0	44.9 <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>	0.0	0.0	0.0	0.0	83.4 <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	0.0	0.0	0.0	0.0	154.7 <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	0.0	0.0	0.0	0.0	73.4 <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>	12.4 <sub>p</sub>	9.5	15.0	34.9	0.0	0.0	0.0	0.0	155.0 <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	0.5	0.0	0.0	0.0	70.2 <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	0.1	0.0	0.0	0.0	43.1 <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>	0.2 <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	0.1	0.0	0.0	0.0	30.4 <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	0.1	0.0	0.0	0.0	32.5 <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	*	0.0	0.0	0.0	8.6 <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	0.3	0.0	0.0	0.0	34.1 <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	0.1	0.0	0.0	0.0	12.3 <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	0.9	0.0	0.0	0.0	137.5 <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>	3.5 <sub>p</sub>	3.2 <sub>p</sub>	3.3	11.2	0.4	0.0	0.0	0.0	54.9 <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 2, 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)	0.04	0.18	0.02	0.14	0.01	0.01	0.00	0.40	44.94 p
2. Kealahou (HI84)	0.73	0.00	0.18	0.57	2.24	0.01	0.00	3.73	23.26 p
3. Laupahoehoe (HI80)	M	0.20	0.43	0.15	0.19	0.00	0.00	0.97	83.41 p
4. Mt. View (HI81)	1.09	0.50	2.05	0.30	0.22	0.00	0.00	4.16	154.70 p
5. Pahala (HI85)	0.00	0.27	0.11	0.00	0.00	0.00	0.00	0.38	73.42 p
6. Pahoa (HI83)	1.37	0.80	1.10	0.09	0.12	0.00	0.00	3.48	155.01 p
<b>Island of Maui</b>									
7. Hana (HI61)	0.58	0.23	0.10	0.00	0.06	0.39	0.07	1.43	70.18 p
8. Kula (HI65)	0.21	0.12	0.06	0.00	0.03	0.07	0.07	0.56	43.14 p
9. Lahainaluna (HI60)	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	11.40 p
10. Wailuku (HI66)	0.13	0.03	0.00	0.01	0.00	0.07	0.00	0.24	30.37 p
<b>Island of Oahu</b>									
11. Kahuku (HI09)	0.07	0.03	0.00	0.00	0.00	0.01	0.16	0.27	36.75 p
12. Mililani (HI14)	1.21	1.65	0.02	0.00	0.08	0.01	0.12	3.09	32.47 p
13. Waianae (HI17)	0.19	0.41	0.00	0.00	0.00	0.00	0.01	0.61	8.57 p
14. Waimanalo (HI13)	0.44	0.24	0.00	0.00	0.00	0.00	0.30	0.98	34.13 p
<b>Island of Kauai</b>									
15. Moloaa Dairy	0.26	0.19	0.19	0.15	0.10	0.06	0.06	1.01	12.32 p
16. Hanalei (HI45)	1.89	13.83	4.13	0.01	0.01	0.51	0.39	20.77	137.54 p
17. Omao (HI51)	1.06	2.84	1.57	0.00	0.03	0.30	0.08	5.88	54.88 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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