United States Department of Agriculture
National Agricultural Statistics Service

Hawaii Crop Weather

Week ending: June 3, 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

Weather Review

On May 29, the U.S. Drought Monitor reported some abnormally dry conditions for the entire state. Much of Hawaii had a wet spring so far, especially northeast-facing, windward slopes. The leeward areas of some of the islands have started to dry out a bit. Accordingly, abnormal dryness was introduced to leeward portions of Oahu, Molokai, Maui, and the Big Island this week. Complete information provided by the Drought Monitor can be found on their website at http://droughtmonitor.unl.edu. For the week ending on June 3, 2018, the state rainfall averaged 1.08 inches.

Hawaii County

The Waimea Irrigation Systems level at the Puukapu reservoir was marked at 50.00 feet (51.70 MG) as of Friday, June 1, 2018, unchanged from the previous Friday reading. The Puu Pulehu reservoir was marked at 18.50 feet (106.75 MG) on June 1, 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, June 1, unchanged from the previous Friday reading.

The water level at the Paauilo reservoir was marked at 0 feet (0 MG) on Friday, June 1, down 1.91 MG 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 54.50 feet (45.78 MG) as of Friday, June 1, 2018, down 1 foot from the previous Friday reading. No conservation measures were in effect.

Maui County

The Molokai Irrigation System water level was marked at 43.25 feet on Friday, June 1, 2018, down 0.50 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 10.60 MG on Friday, June 1, 2018, down 3.30 MG from the previous Thursday reading. The Waikamoi reservoir #2 water level was marked at 9.60 MG on the same day, showed a decrease of 3.50 MG from the previous Thursday reading. Each reservoir has a 15.00 MG capacity.

The Kahakapao reservoir #1 was marked at 48.10 MG on Friday, June 1, 2018, up 1.10 MG from the previous Thursday reading. The Kahakapao reservoir #2 water level was marked at 48.10 MG on the same day, an increase of 1.30 MG from the previous Thursday reading. Each reservoir has a 50.00 MG capacity.

The Piiholo reservoir was recorded at 48.40 MG on Friday, June 1, 2018, a decrease of 1.00 MG from the previous Thursday reading. This reservoir has a capacity of 50.00 MG.

Kathy King, State Statistician

Information also provided by the National Weather Service and the National Drought Mitigation Center. The U.S. Drought Monitor is produced in partnership between the National Drought Mitigation Center at the University of Nebraska-Lincoln, the United States Department of Agriculture, and the National Oceanic and Atmospheric Administration. Map courtesy of NDMC-UNL.

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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
								Inches						
Island of Hawaii														
1. Kamuela	2018	1.6	6.2	4.2	9.9p	5.3p	0.2	0.0	0.0	0.0	0.0	0.0	0.0	27.4p
	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. Kealakekua	2018	0.5	3.9	1.6p	3.3p	1.2p	*	0.0	0.0	0.0	0.0	0.0	0.0	10.4p
	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	9.6p	14.5p	0.4	0.0	0.0	0.0	0.0	0.0	0.0	54.4p
	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	26.3p	14.5	22.7p	15.4p	1.1	0.0	0.0	0.0	0.0	0.0	0.0	99.1p
	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	5.7p	2.3p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.8p
	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	16.5p	12.4p	0.6	0.0	0.0	0.0	0.0	0.0	0.0	96.2p
	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	10.5p	6.6p	0.1	0.0	0.0	0.0	0.0	0.0	0.0	47.7p
	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	9.9p	1.6p	0.1	0.0	0.0	0.0	0.0	0.0	0.0	33.4p
	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	0.0p	7.3	0.5	2.7p	0.2p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8p
	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	4.3p	3.8	14.1p	2.8p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.2p
	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	4.7p	0.9p	0.3	0.0	0.0	0.0	0.0	0.0	0.0	30.4p
	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	4.0p	0.9p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.1p
	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	3.7p	1.8	2.0p	0.1p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6p
	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	9.8p	1.1p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.6p
	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	0.5p	0.0p	0.0p	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0p
	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	37.2p	8.2p	0.9p	0.0	0.0	0.0	0.0	0.0	0.0	86.2p
	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	7.8p	3.5p	0.8	0.0	0.0	0.0	0.0	0.0	0.0	37.6p
	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 June 3, 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		
					Inches				
Island of Hawaii									
1. Kamuela (HI86)	0.34	0.00	0.03	0.08	0.08	0.07	0.00	0.60	27.35 p
2. Kealakekua (HI84)	0.06	0.01	0.00	0.00	0.00	0.00	0.01	0.08	10.44 p
3. Laupahoehoe (HI80)	0.49	0.04	0.87	0.47	0.24	0.07	0.07	2.25	54.35 p
4. Mt. View (HI81)	0.07	1.21	1.80	0.84	0.28	0.59	0.20	4.99	99.11 p
5. Pahala (HI85)	0.00	0.11	0.40	0.00	0.00	0.00	0.00	0.51	49.80 p
6. Pahoa (HI83)	0.07	1.62	1.48	0.05	0.10	0.34	0.15	3.81	96.21 p
Island of Maui									
7. Hana (HI61)	0.49	0.05	0.07	0.01	0.07	0.02	0.00	0.71	47.74 p
8. Kula (HI65)	0.01	0.00	0.00	0.00	0.02	0.02	0.01	0.06	33.35 p
9. Lahainaluna (HI60)	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	10.75 p
10. Wailuku (HI66)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	M	25.15 p
Island of Oahu									
11. Kahuku (HI09)	0.07	0.01	0.00	0.00	0.26	0.00	0.00	0.34	30.44 p
12. Mililani (HI14)	0.06	0.13	0.00	0.00	0.00	0.00	0.00	0.19	22.06 p
13. Waianae (HI17)	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.07	7.58 p
14. Waimanalo (HI13)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.62 p
Island of Kauai									
15. Moloaa Dairy	M	M	M	M	M	M	M	0.00	6.02 p
16. Hanalei (HI45)	0.58	0.64	0.13	0.04	0.48	0.15	0.22	2.24	86.16 p
17. Omao (HI51)	0.49	0.05	0.12	0.01	0.56	0.11	0.08	1.42	37.57 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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