



Hawaii Crop Weather

Week ending: August 5, 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 July 31, the U.S. Drought Monitor reported some abnormally dry conditions for the entire state. Complete information provided by the Drought Monitor can be found on their website at <http://droughtmonitor.unl.edu>. For the week ending on August 5, 2018, the state rainfall averaged 1.44 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 3, 2018, unchanged from the previous Friday reading. The Puu Pulehu reservoir was marked at 18.50 feet (106.75 MG) on August 3, 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, August 3, unchanged from the previous Friday reading.

The water level at the Paauilo reservoir was marked at 0 feet (0 MG) on Friday, August 3, unchanged 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 43.00 feet (29.41 MG) as of Friday, August 3, 2018, up 3.00 feet from the previous Friday reading. No conservation measures were in effect.

Maui County

The Molokai Irrigation System water level was marked at 39.75 feet on Friday, August 3, 2018 down 0.25 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 8.60 MG on Friday, August 3, 2018, down 4.00 MG from the previous Friday reading. The Waikamoi reservoir #2 water level was marked at 7.90 MG on the same day, showed an decrease of 3.90 MG from the previous Friday reading. Each reservoir has a 15.00 MG capacity.

The Kahakapao reservoir #1 was marked at 47.40 MG on Friday, August 3, 2018 unchanged from the previous Friday reading. The

Kahakapao reservoir #2 water level was marked at 47.00 MG on the same day, unchanged from the previous Friday reading. Each reservoir has a 50.00 MG capacity.

The Piiholo reservoir was recorded at 48.70 MG on Friday, August 3, 2018, up 1.60 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. ^{1/}

| Station name | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Annual |
|-------------------------|---------|------------------|-------------------|------------------|-------------------|-------------------|------------------|------------------|------|------|------|------|------|--------------------|
| <i>Inches</i> | | | | | | | | | | | | | | |
| Island of Hawaii | | | | | | | | | | | | | | |
| 1. Kamuela | 2018 | 1.6 | 6.2 | 4.2 | 9.9 _p | 5.3 _p | 3.1 | 5.2 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.5 _p |
| | 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 _p | 3.3 _p | 1.2 _p | 1.3 | 3.7 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 15.9 _p |
| | 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 _p | 14.5 _p | 8.5 | 8.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 73.2 _p |
| | 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 _p | 14.5 | 22.7 _p | 15.4 _p | 11.6 | 9.6 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 123.7 _p |
| | 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 _p | 2.3 _p | 0.3 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 51.1 _p |
| | 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 _p | 12.4 _p | 9.5 | 15.0 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 122.6 _p |
| | 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 | 10.5 _p | 6.6 _p | 1.8 | 4.9 _p | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 55.0 _p |
| | 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 _p | 1.6 _p | 0.9 | 2.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 36.5 _p |
| | 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 _p | 7.3 | 0.5 | 2.7 _p | 0.2 _p | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.8 _p |
| | 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 _p | 3.8 | 14.1 _p | 2.8 _p | 0.1 | 1.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 26.3 _p |
| | 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 | 4.7 _p | 0.9 _p | 1.5 | 1.5 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 33.4 _p |
| | 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 _p | 0.9 _p | 2.1 | 1.1 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 25.7 _p |
| | 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 _p | 1.8 | 2.0 _p | 0.1 _p | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 _p |
| | 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 _p | 1.1 _p | 0.7 | 0.8 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 32.3 _p |
| | 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 | 0.5 _p | 0.0 _p | 0.0 _p | 1.2 | 2.4 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 10.0 _p |
| | 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 _p | 8.2 _p | 7.9 _p | 13.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 108.2 _p |
| | 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 _p | 3.5 _p | 3.2 _p | 3.3 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 44.1 _p |
| | 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 August 5, 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 | | |
| Island of Hawaii | <i>Inches</i> | | | | | | | | |
| 1. Kamuela (HI86) | 0.01 | 0.00 | 0.00 | 0.00 | 0.26 | 0.45 | 0.28 | 1.00 | 36.52 p |
| 2. Kealahou (HI84) | 0.25 | 0.00 | 0.00 | 0.00 | 0.31 | 0.05 | 0.08 | 0.69 | 15.85 p |
| 3. Laupahoehoe (HI80) | 0.00 | 0.11 | 0.07 | 0.33 | 0.46 | 1.27 | 0.63 | 2.87 | 73.21 p |
| 4. Mt. View (HI81) | 0.41 | 0.299 | 0.24 | 0.17 | 1.32 | 1.24 | 1.46 | 5.14 | 123.72 p |
| 5. Pahala (HI85) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 51.09 p |
| 6. Pahoa (HI83) | 0.46 | 3.86 | 0.04 | 0.47 | 0.91 | 0.85 | 0.24 | 6.83 | 122.60 p |
| Island of Maui | | | | | | | | | |
| 7. Hana (HI61) | 0.32 | 0.17 | 0.03 | 0.40 | 0.00 | 0.13 | 0.20 | 1.25 | 55.04 p |
| 8. Kula (HI65) | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.02 | 0.00 | 0.04 | 36.46 p |
| 9. Lahainaluna (HI60) | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 10.82 p |
| 10. Wailuku (HI66) | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.01 | 0.05 | 26.28 p |
| Island of Oahu | | | | | | | | | |
| 11. Kahuku (HI09) | 0.03 | 0.07 | 0.00 | 0.00 | 0.01 | 0.12 | 0.05 | 0.28 | 33.35 p |
| 12. Mililani (HI14) | 0.11 | 0.02 | 0.00 | 0.00 | 0.06 | 0.29 | 0.05 | 0.53 | 25.70 p |
| 13. Waianae (HI17) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.69 p |
| 14. Waimanalo (HI13) | 0.00 | 0.00 | 0.00 | 0.03 | 0.07 | 0.12 | 0.00 | 0.22 | 32.30 p |
| Island of Kauai | | | | | | | | | |
| 15. Moloaa Dairy | 0.01 | 0.06 | 0.00 | 0.03 | 0.02 | 0.26 | 0.10 | 0.48 | 10.04 p |
| 16. Hanalei (HI45) | 0.90 | 1.25 | 0.07 | 0.13 | 0.04 | 0.95 | 0.78 | 4.12 | 108.16 p |
| 17. Omao (HI51) | 0.08 | 0.11 | 0.08 | 0.00 | 0.08 | 0.45 | 0.19 | 0.99 | 44.11 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.

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