



Hawaii Crop Weather



Week ending: July 26, 2015

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 21, the U.S. Drought Monitor reported that 65.68 percent of the State was abnormally dry or drier. On this week's map, minor improvements were made on the island of Maui in an area of Severe Drought. Elsewhere in the Hawaiian Islands, conditions remained status quo on the map. Complete information provided by the Drought Monitor can be found on their website at <http://droughtmonitor.unl.edu>. The rainfall averaged 1.81 inches across the state for the week ending on July 26, 2015.

Hawaii County

The Waimea Irrigation Systems level at the Puukapu reservoir was marked at 50.00 feet (51.70 MG) on July 23, 2015, unchanged from the level recorded the previous week on July 16. The Puu Pulehu reservoir was marked at 18.50 feet (106.75 MG) on July 23, unchanged from the level recorded one week prior on July 16. Mandatory 10 percent conservation remains. The Honokaia Reservoir was 8.0 feet (1.00 MG) on July 23, unchanged from the previous Thursday's reading. The water level at the Paauilo reservoir was marked at 20.00 feet (9.59 MG) on July 23, down 1.00 feet from the previous Thursday's 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 59.50 feet (54.41 MG) on Thursday, July 23, 2015, down 0.25 feet from the previous Thursday's reading. No conservation measures were in effect.

Maui County

The Molokai Irrigation System water level was marked at 34.00 feet (748.00 MG) on Thursday, July 23, 2015, down 0.25 feet from the July 16 reading. Conservation measures urged all non-homestead water users to cutback water consumption by 10 percent.

Precipitation was generally light along the windward coast with some downpours occurring off and on throughout the week. The precipitation that fell kept soil moisture at adequate levels for various crops without irrigation; this maintained the crops' growth and development. Pastures in Hamakua have received good amounts of moisture to maintain optimal quality in some areas, especially for the summer season. Pastures in Kau have benefitted from consistent and light precipitation.



Agricultural Highlights

Over the past week, mostly trade wind weather prevailed on the Big Island. Temperatures were warm with highs in the upper 80's, and lows in the low 70's. Trade showers occurred almost daily peppering the windward districts with some light precipitation blowing over to the leeward areas. Leeward districts were mostly sunny with afternoon clouds and volcanic haze.

Kathy King, State Statistician

Cheresa Coles, Research Statistician – Hawaii County

Monthly Trend for Selected Stations

Comparison of 2015 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	2015	0.1 _p	2.1 _p	5.4	1.1	2.1	3.0	1.9 _p	0.0	0.0	0.0	0.0	0.0	15.7 _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	2015	1.7	1.5	3.5	9.9	2.3 _p	3.7 _p	0.0 _p	0.0	0.0	0.0	0.0	0.0	22.6 _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	2015	5.8	3.6	7.7 _p	9.9	6.1	5.8	6.0 _p	0.0	0.0	0.0	0.0	0.0	44.9 _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	2015	4.6	3.8	6.7	16.6 _p	12.2 _p	10.4	9.6 _p	0.0	0.0	0.0	0.0	0.0	63.8 _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	2015	1.0	2.0	2.0	0.0 _p	* _p	2.3	2.5 _p	0.0	0.0	0.0	0.0	0.0	9.7 _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. Pahoa	2015	2.6	4.8	9.6	13.8	7.2 _p	7.4	2.4 _p	0.0	0.0	0.0	0.0	0.0	47.7 _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	2015	4.4	3.6	10.4	4.7	5.7	3.3	4.6	0.0	0.0	0.0	0.0	0.0	36.7
	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	2015	4.8	8.5	4.2	2.3	2.1	3.0	4.9	0.0	0.0	0.0	0.0	0.0	29.7
	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	2015	0.6	0.9	1.7	0.4	0.1	0.3	*	0.0	0.0	0.0	0.0	0.0	4.0
	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	2015	0.9 _p	3.9	7.0 _p	0.6 _p	2.1	1.2	1.7	0.0	0.0	0.0	0.0	0.0	17.3 _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	2015	2.5	3.4	2.1	2.0 _p	1.5	1.4	1.9	0.0	0.0	0.0	0.0	0.0	14.8 _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	2015	1.4 _p	16.0	1.2	3.6	2.0	1.2	1.1	0.0	0.0	0.0	0.0	0.0	26.4 _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	2015	0.0 _p	0.0 _p	0.1 _p	0.3	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0	1.6 _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	2015	2.4	3.1	3.4	4.6	2.5	0.8	1.5	0.0	0.0	0.0	0.0	0.0	18.2
	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	2015	0.0 _p	0.0 _p	0.0 _p	0.0 _p	0.0 _p	0.0	0.0 _p	0.0	0.0	0.0	0.0	0.0	0.0 _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	2015	4.5	2.7	2.5 _p	0.0 _p	0.0 _p	0.0	0.0 _p	0.0	0.0	0.0	0.0	0.0	9.7 _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	2015	1.3	1.6	1.9	3.6	11.5 _p	1.8	3.4	0.0	0.0	0.0	0.0	0.0	24.9 _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 July 26, 2015
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		
<i>Inches</i>									
Island of Hawaii									
1. Kamuela (HI86)	0.11	0.00	0.04	0.00	0.66	0.21	0.02	1.04	15.74 p
2. Kealahou (HI84)	M	M	M	M	M	M	M	0.00	22.62 p
3. Laupahoehoe (HI80)	0.18	0.00	0.00	0.01	1.28	0.91	0.00	2.38	44.87 p
4. Mt. View (HI81)	0.11	0.00	0.28	0.18	0.70	0.26	0.00	1.53	63.79 p
5. Pahala (HI85)	0.45	0.23	0.29	0.01	0.00	0.00	0.00	0.98	9.71 p
6. Pahoa (HI83)	0.12	0.08	0.06	M	M	M	M	0.26	47.72 p
Island of Maui									
7. Hana (HI61)	0.37	0.00	0.00	0.01	0.07	0.00	0.02	0.47	36.68
8. Kula (HI65)	0.28	0.32	1.12	0.00	0.00	0.00	0.44	2.16	29.70
9. Lahainaluna (HI60)	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	4.03
10. Wailuku (HI66)	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02	17.30 p
Island of Oahu									
11. Kahuku (HI09)	0.00	0.19	0.00	0.00	0.12	0.09	0.00	0.40	14.76 p
12. Mililani (HI14)	0.01	0.00	0.03	0.02	0.05	0.00	0.00	0.11	26.42 p
13. Waianae (HI17)	0.00	0.43	0.03	0.01	0.00	0.00	0.00	0.47	1.61 p
14. Waimanalo (HI13)	0.04	0.00	0.00	0.00	0.12	0.00	0.01	0.17	18.17
Island of Kauai									
15. Moloaa Dairy	M	M	M	M	M	M	M	0.00	0.00 p
16. Hanalei (HI45)	M	M	M	M	M	M	M	0.00	9.65 p
17. O'aoa (HI51)	0.18	0.06	0.93	0.01	0.10	0.04	0.03	1.35	24.86 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.

U.S. Department of Agriculture
NASS, Hawaii Field Office
300 Ala Moana
Honolulu, HI 96814-2512

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE, \$300

RETURN SERVICE REQUESTED