



Hawaii Weekly Crop Weather Report

National
Agricultural
Statistics
Service

Week ending: November 22, 2009

In Cooperation with the Hawaii Department of Agriculture

Hawaii Field Office · 1428 South King Street · Honolulu, HI 96814-2512 · 1-800-804-9514 · www.nass.usda.gov

Light Showers



Weather Review

Weather conditions were good for agriculture during the week ending November 22, 2009. Soil moisture was at adequate to surplus levels after a week with light but persistent showers across State. Skies were partly cloudy with light to breezy trades for most of the week. Windward areas of most islands reported saturated fields with some minor washouts occurring. Crop progress and fieldwork was slowed in some areas due to the rain and overcast conditions. After a second consecutive week of rainfall, farmers were keeping a close eye on crops susceptible to moisture related diseases and problems related to excessively wet soils. Overall crops were in fair condition. Progression has slowed with cloud cover this week and seasonally cooler temperatures as well as shorter days.

Hawaii County

Precipitation was recorded consistently over the first half of the week. Windward areas received a majority of the rain, and many fields experienced slowed production as a result. Voggy conditions continued to affect leafy crop production near the volcano. South Point coastal pastures

did improve with the rains, however upper elevations of Kona did not. Pasture conditions continued to deteriorate in leeward areas. Some protea farmers reported healthy growth due to reduced vog in Ocean View. The Waimea Irrigation System Water level was marked at 49.9 feet on Friday, November 20th, no change from the previous week's reading. A cautionary 10 percent cutback was recommended for users of both the Waimea and Honokaa-Paauilo Irrigation Systems.

Maui County

Trade winds have continued to bring occasional strong gusts as well as isolated rainfall primarily along the windward facing sections of the islands. Some of these areas have recorded several inches during the middle of the week. The central section of Maui received quite a bit of overcast skies with some light passing rainfall. By the end of the week, there were increased clear and sunny skies, but the trade winds have continued to be notably breezy throughout the County. The Molokai Irrigation System Water level was marked at 13.5 feet on Friday, November 20th, an increase of 4 percent from the previous week's reading. A mandatory 20 percent reduction was in effect for all non-homestead users.

Honolulu County

Intermittent rains and high winds hampered spraying of crops in most sections of the island. Despite showers over most of the island, the Northwest portion of the island continued to be abnormally dry. Crop progress was normal for this time of the year as of last week with progress going slow and steady as the winter months approach. The Waimanalo Irrigation System Water level was at 32.5 feet on Friday, November 20th, a decrease of 5 percent from the previous week's reading of 34.25 feet. A mandatory 20 percent reduction was in effect for all users.

Kauai County

There was light rainfall throughout the week, but no substantial rain or flooding as in previous weeks. Windy to very windy weather swept over the island bringing some needed relief to the high humidity. Some fruit drop earlier in the week due to excessive moisture and strong winds. Leafy vegetables fared the weather earlier in the week, and progress was made later in the week. Pastures were in good condition, but lower level pastures along flooding areas sustained damages on the central, east, and north side of the island.

Mark Hudson, Director
King Whetstone, Deputy Director

Larry Chun, Agricultural Statistician



Agricultural Highlights

Fruits

Bananas

Rainfall was heavy early in the week and most windward orchards benefitted from soils becoming saturated. On Wednesday, the rains lightened, soils drained, and sunny skies boosted growth allowed field operations to continue as normal. Banana Bunchy Top virus remained isolated in the Puna and Kona areas.

Papayas

Heavy rains and intermittent sunny periods boosted orchard growth. Young plantings benefitted most as soils became saturated allowing for deep root growth and seedling establishment. Most producing orchards were in fair to good condition.

Vegetables

Head Cabbage

This week's weather allowed for uninterrupted field activities for both planting and harvesting. Growth rate has decreased due to cooler growing conditions and shorter day length. Harvesting was expected to be steady into the next couple of weeks. Overall, the head cabbage crop was in fair condition.

Chinese Cabbage

The crop was in good condition. Winds were brisk, and days were mostly sunny with moderate rainfall. However, irrigation was still necessary for most fields. Upper Puna crops progressed normally despite the cold snap at the beginning of the week.

Dry Onion

This week's weather has allowed for the dry onion crop to make slow but steady progress. Production was expected to be at lower levels due to extended time needed for the crop to reach maturity. Overall, the dry onion crop was in fair condition.

Sweet Potato

Plantings in windward sections were faring well. Soil moisture was high following several days of saturating rainfall, and the crop was making good progress. Fall planting has been heavy in East Hawaii fields, and large parcels of new fields were being prepared.

Sweet Corn

The sweet corn crop was in poor to fair condition as farmers experienced rot from rain.



We Need You!

The data we provide can only be as good as the data we receive!

If you want to contribute to the crop weather report, please email: Lawrence_Chun@nass.usda.gov by 9 P.M. Sunday with your name, location, and name of your operation

Monthly Trend for Selected Stations

Comparison of 2009 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	2009	2.7	5.1	4.1	2.4	0.9	1.3	3.3	4.3	1.4	1.9	1.7	0.0	29.1
	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	2009	2.2	2.0	4.2	1.8	1.3	2.6	2.5	5.4	3.7	1.2	0.8	0.0	27.6
	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	2009	9.6	14.7	22.4	18.7	2.3	4.4	7.1	7.0	4.6	6.0	11.7	0.0	108.4
	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	2009	4.8 _p	13.8	27.1	16.0	0.4 _p	11.5	14.8	6.3 _p	12.3	11.5	18.9	0.0	137.6 _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	2009	4.2	0.5	9.5	1.4	2.6	0.7	1.8	0.8	0.3	1.9	1.2	0.0	24.9
	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	2009	7.1	9.3	19.2 _p	10.6	4.7	6.8	9.0	4.7	5.8 _p	12.8	15.9	0.0	105.9 _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	2009	1.3 _p	2.2 _p	7.3 _p	5.8	0.8 _p	2.0 _p	6.0 _p	4.8	4.3	3.5 _p	9.2	0.0	47.2 _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	2009	5.8	0.3	1.8	0.8	1.0	0.1	0.5	2.9	0.1	0.1	0.8	0.0	14.3
	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	2009	1.8	*	1.4	0.1	0.1	*	* _p	0.3 _p	0.0	0.5	*	0.0	4.3 _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	2009	0.0 _p	0.0 _p	0.0 _p	0.0 _p	0.0 _p	0.0 _p	0.0 _p	0.0 _p	0.2 _p	0.9 _p	3.5 _p	0.0	4.7 _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	2009	1.5	1.7	2.4	4.7	0.7	0.8	1.2	2.5	1.0 _p	0.2 _p	5.1	0.0	21.6 _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	2009	3.9	3.1	4.7	2.7	0.4	0.4	*	1.1	0.8	1.7	3.1	0.0	21.7
	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	2009	2.0	0.1	1.2	0.6	0.3	0.0	*	1.4	0.1	0.9	0.5	0.0	7.0
	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	2009	4.4	1.2	5.6	8.5	4.7	0.7	2.0	2.6	0.9	4.9	1.7	0.0	37.1
	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	2009	3.5	1.8	3.4	2.5	4.6	1.0	3.0	2.7	1.5	0.8 _p	0.0 _p	0.0	24.8 _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	2009	2.5 _p	4.8	12.3	10.8 _p	0.2 _p	1.6	7.9	6.7 _p	5.4	6.3	* _p	0.0	58.6 _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	2009	3.1 _p	2.1	5.2 _p	2.4 _p	*	1.4	3.7	5.9	* _p	2.0 _p	5.9	0.0	31.6 _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 November 22, 2009
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)	0.33	0.08	0.23	0.05	0.01	0.02	0.00	0.72	29.08	
2. Kealakekua (HI84)	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.02	27.59	
3. Laupahoehoe (HI80)	1.02	2.31	0.50	0.46	0.37	0.20	0.01	4.87	108.41	
4. Mt. View (HI81)	2.05	1.25	1.31	1.11	1.04	0.82	0.48	8.06	137.55 p	
5. Pahala (HI85)	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	24.85	
6. Pahoa (HI83)	1.15	1.30	0.42	0.57	0.14	0.15	0.08	3.81	105.87 p	
Island of Maui										
7. Hana (HI61)	0.29	1.17	0.17	0.21	0.01	0.00	0.29	2.14	47.18 p	
8. Kula (HI65)	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.19	14.30	
9. Lahainaluna (HI60)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.26 p	
10. Wailuku (HI66)	0.00	0.00	0.00	M	M	M	M	M	4.68 p	
Island of Oahu										
11. Kahuku (HI09)	0.00	0.35	0.00	0.00	0.00	0.00	0.10	0.45	21.59 p	
12. Mililani (HI14)	0.04	0.11	0.10	0.01	0.01	0.00	0.36	0.63	21.68	
13. Waianae (HI17)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.03	
14. Waimanalo (HI13)	0.04	0.05	0.02	0.10	0.01	0.01	0.11	0.34	37.11	
Island of Kauai										
15. Moloaa Dairy	M	M	M	M	M	M	M	0.00	24.82 p	
16. Hanalei (HI45)	M	M	M	M	M	M	M	0.00	58.56 p	
17. Omao (HI51)	0.00	0.58	0.22	0.04	0.08	0.06	0.51	1.49	31.64 p	

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