



Ka ‘Oihana Mahi‘ai

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In Cooperation with the United States Department of Agriculture
National Agricultural Statistics Service, Pacific Region

Statistics on Land with Irrigation Systems or Equipment by County and Land Type, State of Hawai‘i, 2022

According to the USDA Census of Agriculture, irrigated land refers to all areas watered at least once during the year through any artificial or controlled means, such as sprinklers, flooding, furrows or ditches, sub-irrigation, and spreader dikes. In 2022, only 41,851 acres of Hawai‘i’s agricultural land were irrigated. However, approximately 22% of the total agricultural land (231,950 out of 1,053,302 acres) was under farm operations with some form of irrigation system or equipment. More specifically, 78.8% of cropland (61,957 out of 78,664 acres), 64.4% of harvested cropland (38,855 out of 60,378 acres), and 11.9% of pastureland (88,616 out of 743,094 acres) were in operation with irrigation systems. Among the four counties of Hawai‘i, Maui had the largest share of land with irrigated farms across all agricultural land types in 2022.

Additionally, based on the number of farms, 33.7% of Hawai‘i’s farms (2,216 out of 6,569) had some form of irrigation system or equipment on their agricultural land. Breaking down further, 40.4% of farms operating on cropland, 43.3% of those on harvested cropland, and 18.7% of those on pastureland had irrigation systems or equipment. Hawai‘i County had the highest number of farms with irrigation systems, followed by Maui, Honolulu, and Kauai. This is largely because Hawai‘i County has more farms than all other counties.

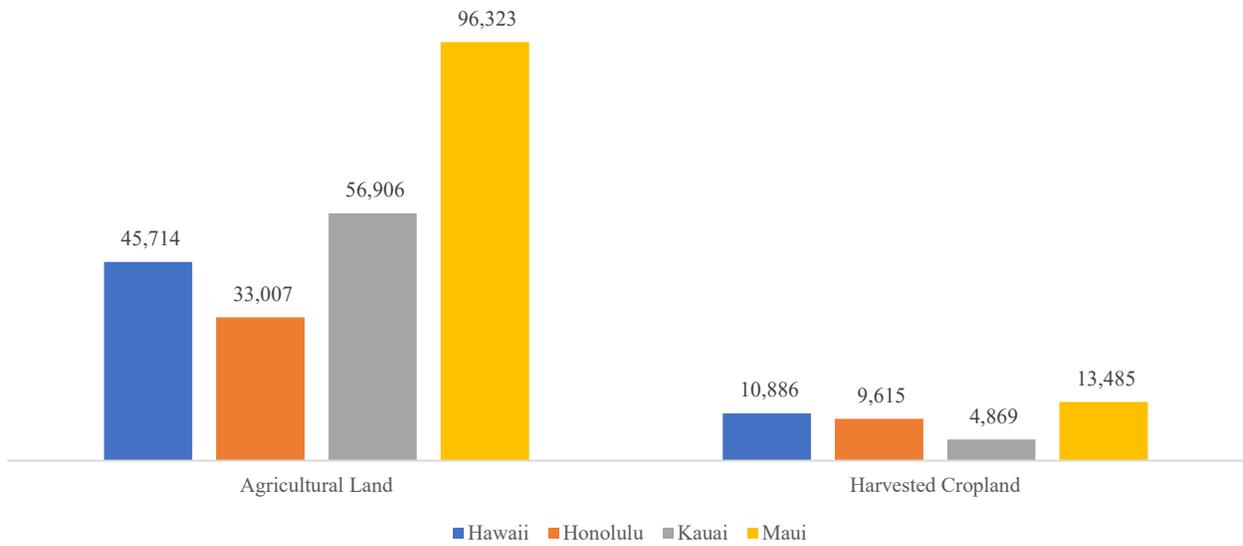
Table 1: Land with Any Irrigation Systems or Equipment by County and Land Type, Hawai‘i, 2022

Land with Irrigation Systems or Equipment	Agricultural Land	Cropland (Excluding Harvested & Pastured)	Harvested Cropland	Pastureland (Excluding Woodland)	Agricultural Land	Cropland (Excluding Harvested & Pastured)	Harvested Cropland	Pastureland (Excluding Woodland)
County	Acres Irrigated				Number of Farms with Irrigation			
Hawai‘i	45,714	(D)	10,886	19,240	794	183	764	161
Honolulu	33,007	9,993	9,615	(D)	548	143	541	50
Kauai	56,906	(D)	4,869	(D)	192	64	190	23
Maui	96,323	35,840	13,485	40,857	682	164	646	131
Subtotal	231,950	61,967	38,855	88,616	2,216	554	2,141	365
Total Statewide	1,053,302	78,664	60,378	743,094	6,569	1,372	4,943	1,956
% of Farms with Irrigation Systems	22.0	78.8	64.4	11.9	33.7	40.4	43.3	18.7

Source: USDA NASS.

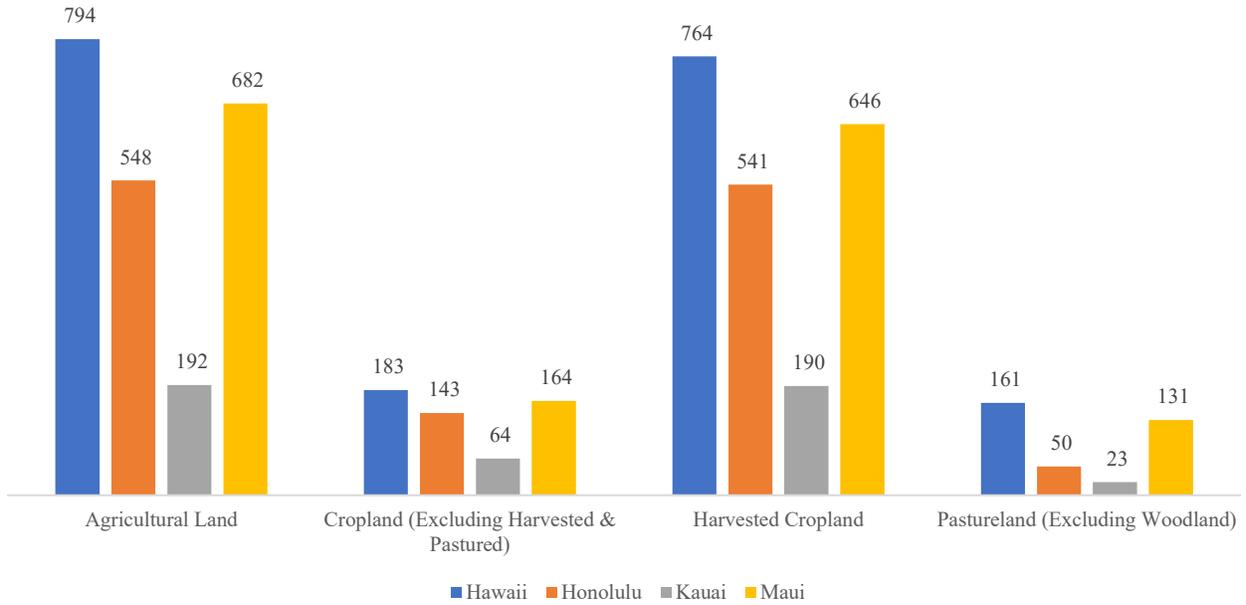
Note: (D) means the information is withheld to avoid disclosing data for individual farms.

Chart 1: Acres under Any Irrigation System by County and Land Type, Hawai‘i, 2022



Note: Information on irrigated cropland and pastureland is omitted due to undisclosed data in Table 1.

Chart 2: Number of Farms with Any Irrigation System by County and Land Type, Hawai‘i, 2022



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