EXHIBIT 16

Monsanto Company Petition to Voluntarily Designate 1,084.079 acres at Naiwa, Manowainui, Kahanui, Moloka'i as Important Agricultural Lands (IAL)



State of Hawai'i Land Use Commission
October 18, 2017



Monsanto Serves Farmers Around the World

Working with Growers Large and Small



100% Agriculture



Vegetable Seeds

- Over 2,000 seed varieties covering 22 vegetable crops.
- Develop and provide seeds in all major markets globally, including conventional and organic farmers.
- Deliver quality vegetable seeds under the Seminis brand to many Hawai'i farmers, both conventional and organic.









Row Crop Seeds

- High-quality seeds are at the center of our business.
- Monsanto helps farmers achieve better harvests while using natural resources more efficiently.

















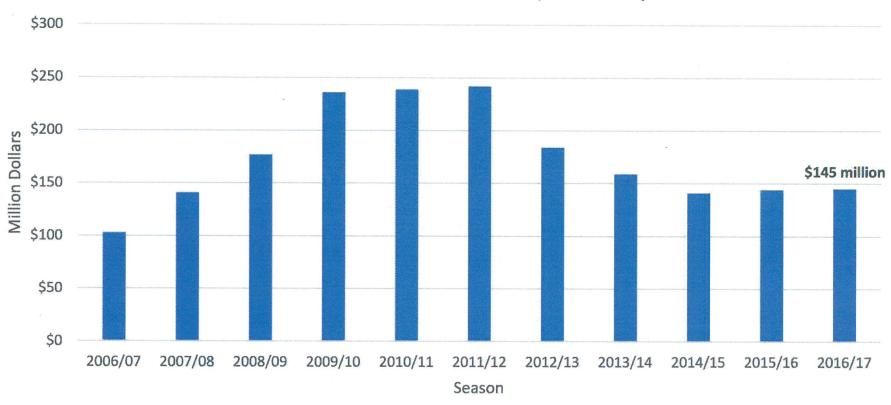


Alfalfa



USDA, National Agriculture Statistics Service

HAWAII SEED CROP VALUE: 2006/07 - 2016/17





Top 20 Commodities, 2015 Crop Year

Top 20 Commodities, State of Hawaii, 2015

Commodity	Rank	Value of production (\$1,000)
Seed crops	1	140,830
Cattle	2	68,251
Coffee	3	49,214
Sugarcane	4	48,148
Macadamia nuts	5	40,020
Other aquaculture	6	42,426
Algae	7	33,808
Landscape plant material	8	15,240
Bananas	9	10,866
Papayas	10	10,570
Milk	11	9,975
Lettuce	12	9,270
Cucumbers	13	6,490
Palms, potted	14	5,550
Cabbage, head	15	3,805
Dendrobiums, potted	16	3,502
Plant rentals	17	3,193
Honey	18	2,785
Hogs	19	2,742
Anthurium, cut	20	2,638

HRS § 205-42(a)(2): Important agricultural lands; definition and objectives. . . .

"important agricultural lands" means those lands . . . that:

Contribute to the State's economic base and produce agricultural commodities for export or local consumption.



Economics and Employment

- 1964, University of Hawai'i College of Tropical Agriculture and Human Resources, Seed Industry Council.
- 1969, \$500,000 agricultural industry.
- Today, \$323 million total economic impact including multiplier effects.
- 20% of ag workers in Hawai'i are seed industry employees.
- 66 full time Monsanto employees on Moloka'i.

HRS § 205-42(b) The objective for the identification of IAL is to . . .

- support a diversity of agricultural activities and opportunities that expand agricultural income and job opportunities
- increase agricultural selfsufficiency for current and future generations



Reservoir MAUNALOA HICHW 2-5-2-012:004 2-5-2-011:012 (Not in IAL) Hoolehua / 2-5-2-011:028 (Not in IAL) Kaunakakai

DATE: 9/25/2017

LEGEND

Monsanto Property ("Maui County Land")
Proposed IAL ("Property")
Owned by Others

Source: State of Hawall. County of Maul. USDA NRCS.
Disclaimer: This graphic has been prepared for general planning purposes only.

Figure 1a

Molokai TMK Parcels and Proposed IAL

Monsanto IAL Monsanto Company North Linear Scale (Feet) 0 700 1,400 2,800

IAL

- Monsanto owns 1817.36 acres in Maui County.
- Proposing 1084.079
 acres on Moloka'i to be designated as IAL.
- 60% of total landholdings in Maui County.
- 89% of total landholding on Moloka'i.

Standards and criteria . . . land that contributes to maintaining a critical land mass important to agricultural operating productivity. (HRS §205-44(c)(7))

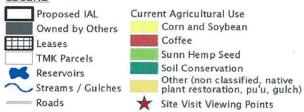


Tom DeCourcy ±8 acs. COHi, Inc. ±5 acs. COHi, Inc. ±110.5 acs. Kualapu'u Reservoir Stop #1 (State of Stop #2 Hawaii) Meeting Place Stop #3

Land Use

Agricultural		
Use	Acres	Percent
Corn and Soybean Production	524.400	48%
Coffee & Sunn Hemp Seed Production	123.500	12%
Soil Conservation	210.00	20%
Other (non classified, plant restoration, gulch)	168.179	15%
Pu'u	58.000	5%
Total	1,084.079	100%

LEGEND



Source: Monsanto Company (2017). County of Maul. ESRI Online Basemap.

Figure 2 Agricultural Areas (10/18/17 Site Visit Viewing Points)

Monsanto IAL

Monsanto Company
North Linear Scale (Feet)
0 500 1,000 2,000

IAL
Island of Moloka'l

Standards and criteria . . . land currently used for agricultural production. (HRS §205-44(c)(1))





Kualapuu (State of Hawaii) 720 ft 460 ft DATE: 9/25/2017

Topography and Streams

LEGEND

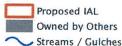
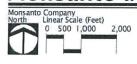


Figure 3

Topography and Streams

Monsanto IAL

Island of Moloka'i







58 acres **LEGEND** Proposed IAL D38 Owned by Others Reservoir LSB Land Classification (with Irrigation) A: Excellent B: Good C: Fair D: Poor E: Very Poor

LSB

(Land Study Bureau) Detailed Land Classification System

Productivity Rating	Total IAL		
	Acres	% of IAL	
Α	764.504	70.4%	
В	245.739	22.8%	
С	1.298	0.1%	
D	0	0%	
E	72.538	6.7%	
Total	1084.079	100%	

This map, from the LSB's Detailed Land Classification – Island of Molokai, (colors added) was published in 1968, before the construction and operation of the Kualapu'u Reservoir (built in 1969 and drawn in the upper center of the Property) made it possible to irrigate the Property.

The LSB system classifies soil productively as A, B, C, D, and E. These letter ratings are combined with a Land Type number for both irrigated (indicated by "i" after the Land Type number) and unirrigated conditions (indicated by the absence of an "i" after the Land Type number). For example, land designated D 38 (as shown throughout most of the lower portion of the Property) is the same Land Type as land designated A 38i, with the difference being a much higher productivity rating with irrigation.

As shown on this 1968 map, the unirrigated productivity ratings of the Property range from C to E without irrigation; however, based on the Land Type number, and with irrigation, over 93% of the Property has a productivity rating of A (70.4%) or B (22.8%) and less than 7% of the Property has a productively rating of C (0.1%) or E (6.7%). None of the Property has a productivity rating of D.

For more information please refer to the text in Section 4 and Appendix A.

Figure 4b

Land Study Bureau (LSB)
Detailed Land Classification System

Monsanto IAL

Monsanto Company North Linear Scale (Feet) 0 500 1,000 2,000

Island of Moloka

Standards and criteria . . . land with soil qualities and growing conditions that support agricultural production of food, fiber, or fuel- and energy-producing crops. (HRS §205-44(c)(2))





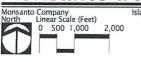


LEGEND Proposed IAL ALISH Prime ALISH Owned by Others TMK Parcels Unique ALISH Other ALISH Reservoirs Unclassified Streams / Gulches Roads

Source: State Department of Agriculture (1977), State of Hawaii, County of Maul.

Figure 5 Agricultural Lands of Importance to the State of Hawaii (ALISH)

Monsanto IAL





ALISH

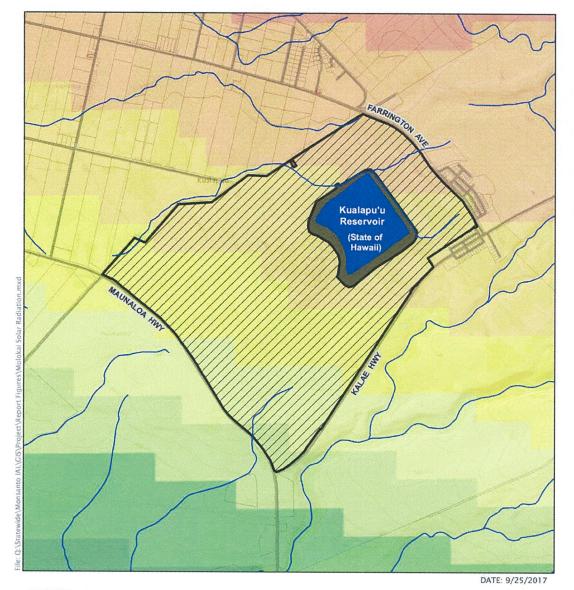
(Agricultural Lands of Importance to the State of Hawai'i)

ALISH	Total IAL		
Classifications	Acres	% of IAL	
Prime	975.729	90%	
Unique	0	0%	
Other	7.453	0.7%	
Unclassified	100.897	9.3%	
Total	1,084.079	100%	

Standards and criteria . . . land identified under agricultural productivity rating systems, such as the agricultural lands of importance to the State of Hawai'i (ALISH) system ... (HRS §205-44(c)(3))

MONSANTO





Solar Radiation

Mean annual solar radiation: 215 to 240 watts per square meter per hour.

Standards and criteria . . . land with . . . growing conditions that support agricultural production of food, fiber, or fuel- and energy-producing crops. (HRS §205-44(c)(2))

MONSANTO

LEGEND

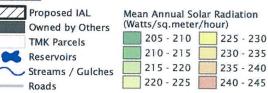
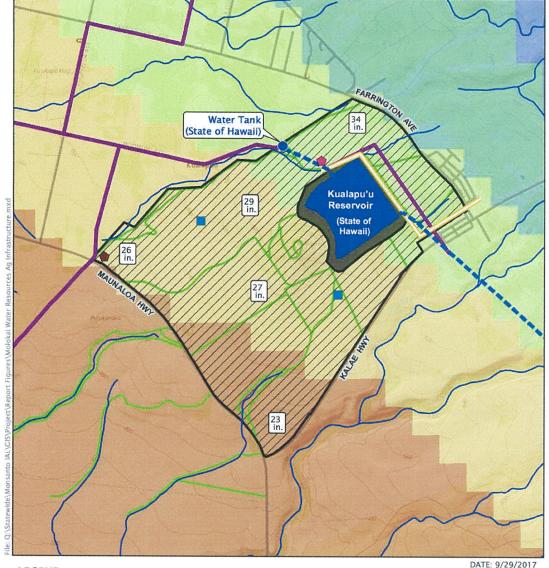


Figure 6

Solar Radiation



Source: University of Hawaii Evapotranspiration of Hawaii (2014), State of Hawaii. County of Maui Disclaimer: This graphic has been prepared for general planning purposes only.



LEGEND Proposed IAL Pumping Mean Annual Rainfall Figure 7 Station Owned by Others Pump and 20 - 25 Water Resources and Reservoirs Sand Filter Station Agricultural Infrastructure Pipeline 25 - 30 Aqueduct Sand Filter 30 - 35 Monsanto IAL Station Discharge Line 35 - 40 Streams / Gulches Water Tank sland of Moloka' onsanto Company orth Linear Scale (Feet) 40 - 45 Field Roads / Trails 0 500 1,000 2,000 Source: Monsanto Company (2017), University of Hawaii Rainfall Atlas of Hawaii (2011), State of Hawaii, County of Maul, Disclaime: This graphic has been prepared for general planning purposes only.

Water Resources and Agricultural Infrastructure

- Source of Water: Moloka'i Irrigation System ("MIS")
- MIS is owned and operated by the Agricultural Resource Management Division of the Department of Agriculture, State of Hawaii
- Mean annual rainfall: 22" to 34"

Standards and criteria . . . land with sufficient quantities of water to support viable agricultural production. (HRS §205-44(c)(5))



Kualapu'u Reservoir (State of Hawaii) DATE: 9/25/2017

Hawai'i State Land Use District (SLUD)

Agricultural

Standards and criteria . . . land with or near support infrastructure conducive to agricultural productivity, such as transportation to markets, water, or power. (HRS §205-44(c)(8))

State Land Use Districts Monsanto IAL Monsanto Company North Linear Scale (Feet) 0 500 1,000 2,000

Figure 8

LEGEND

Proposed IAL
Owned by Others
TMK Parcels
Reservoirs

Streams / Gulches

Roads

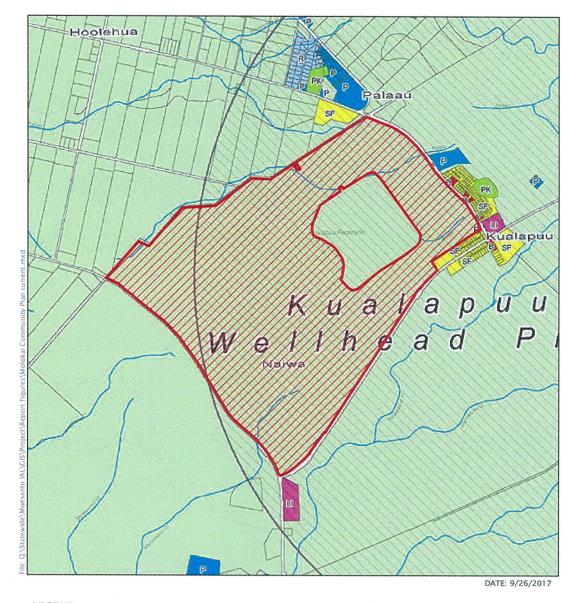
Source: State Land Use Commission (2016). State of Hawaii. County of Maui. Disclaimer: This graphic has been prepared for general planning purposes only.

State Land Use District

Urban

Agricultural





Moloka'i Development Plan (Current)

- Agriculture Area
- Outside of Urban
 Community Boundary

Standards and criteria . . . land whose designation as IAL is consistent with general, development, and community plans of the county. (HRS §205-44(c)(6))





Figure 9a

Molokai Community Plan (current)

Monsanto IAL



Hoj olehua Kualapu'u

Moloka'i Development Plan (2017 DRAFT)

Agriculture

near support infrastructure conducive to agricultural productivity, such as transportation to markets, water, or power. (HRS §205-44(c)(8))



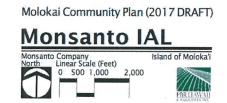


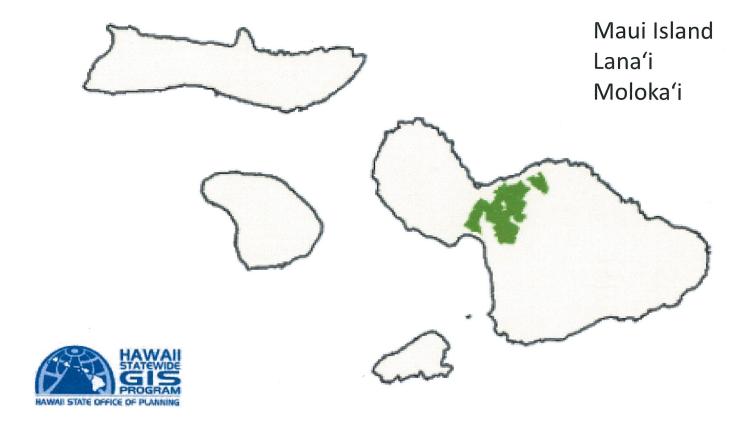
Figure 9b

DATE: 9/26/2017

Standards and criteria . . . land with or



Existing IAL in Maui County



27,102 acres 0 acres

0 acres



For more information about data sources, please refer to imp_ag_lands.pdf





Standards and Criteria for IAL HRS §205-44(c)

- 1. Land currently used for agricultural production;
- 2. Land with **soil qualities and growing conditions** that support agricultural production of food, fiber, or fuel-and energy-producing crops;
- 3. Land identified under agricultural productivity rating systems, such as the agricultural lands of importance to the State of Hawai'i (ALISH) system adopted by the board of agriculture on January 28, 1977;
- 4. Land types associated with **traditional native Hawaiian agricultural uses**, such as taro cultivation, **or unique agricultural crops** and uses, such as coffee, vineyards, aquaculture, and energy production;
- 5. Land with sufficient quantities of water to support viable agricultural production;
- 6. Land whose designation as important agricultural lands is consistent with general, development and community plans of the county;
- 7. Land that contributes to maintaining a **critical land mass** important to agricultural operation productivity;
- 8. Land with or near **support infrastructure** conducive to agricultural productivity, such as transportation to markets, water or power.



Molokai Land Use 1937

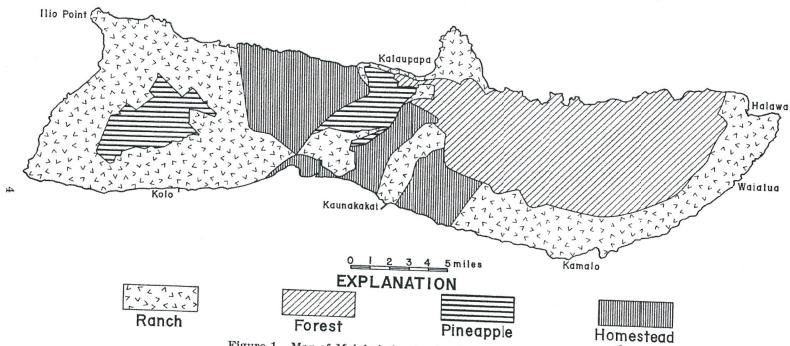
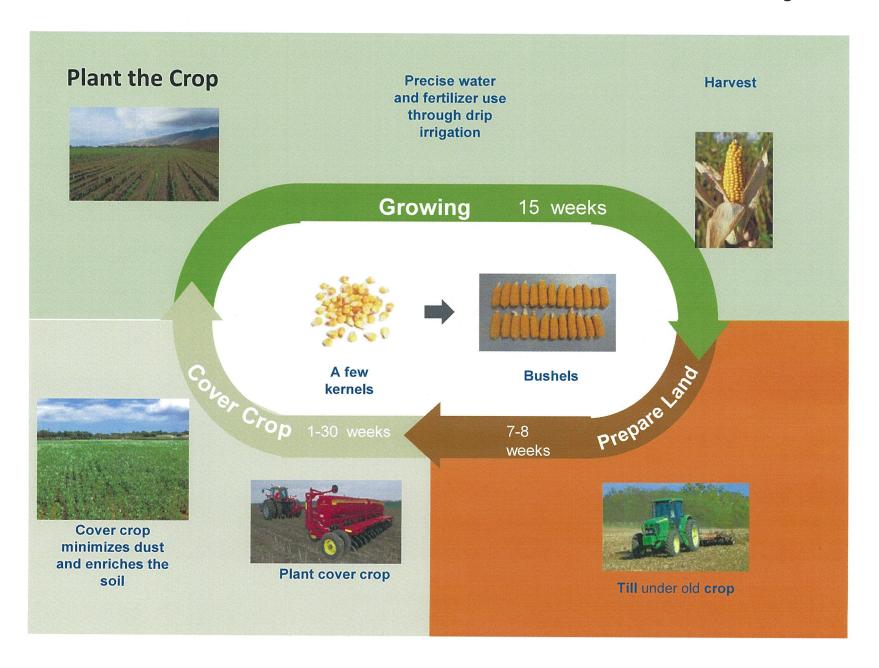


Figure 1. Map of Molokai showing land utilization in 1937. (After pl. 36, Hawaii Terr. Plan. Bd., 1st Progress Rept., 1939.)



Moloka'i Farm Crop Production Cycle



USDA-NRCS Soil Conservation Plan

- Berms and grassed filter strips
- Crop rotations and fallow periods
- Cover crops
- Reduced tillage methods
- Windbreaks
- Micro-irrigation/water management





Land Stewardship





Berms and grassed filter strips



Mahalo!



