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## Farm Value and Production Again Higher For Selected Vegetables

The farm gate value for 13 of Hawaii's selected vegetables and melons is estimated at \$28.8 million in 2011, up 16 percent or \$3.9 million from the 2010 amount for the same 13 crops. Cumulative production for these 13 selected vegetables and melons was 43.1 million pounds, up 9 percent from 2010.

Dry conditions again prevailed during most of the year, especially on the leeward slopes of all islands. Irrigation, heavy at times, was required to maintain crop growth and development.

The top volume-producing vegetable crop during 2011 was again sweet potatoes whose estimated production was 16.7 million pounds, up 4.1 million pounds or 33 percent above the previous year. Head cabbage was the second largest published vegetable volume crop estimated at 9.0 million pounds down 12 percent or 1.2 million pounds from 2010. Chinese cabbage was the third largest volume of published vegetables at 3.8 million pounds, down 1.3 million pounds or 25 percent which is attributed to lower harvested acreage and lower production per harvested acre. The largest volume gain measured in percent was dry onions which increased by 42 percent in 2011 compared to the prior year. Sweet potato volume placed second in percent increase at 33 percent.

The leading farm gate value of the published vegetables was estimated for sweet potatoes at \$7.3 million, up \$838 thousand or 13 percent from the previous year. Lettuce placed second in farm gate value at \$5.5 million up \$1.8 million or 50 percent compared to the 2010 season. Higher yield per harvested acre and higher farm gate prices were the main factors for the increase. Dry onion's farm gate value ranked third among published vegetables at \$3.3 million up 47 percent or \$1.0 million above 2010's values.

Due to confidentiality and disclosure reasons, we are not able to publish information concerning other vegetables and melons. ■

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## Vegetables:

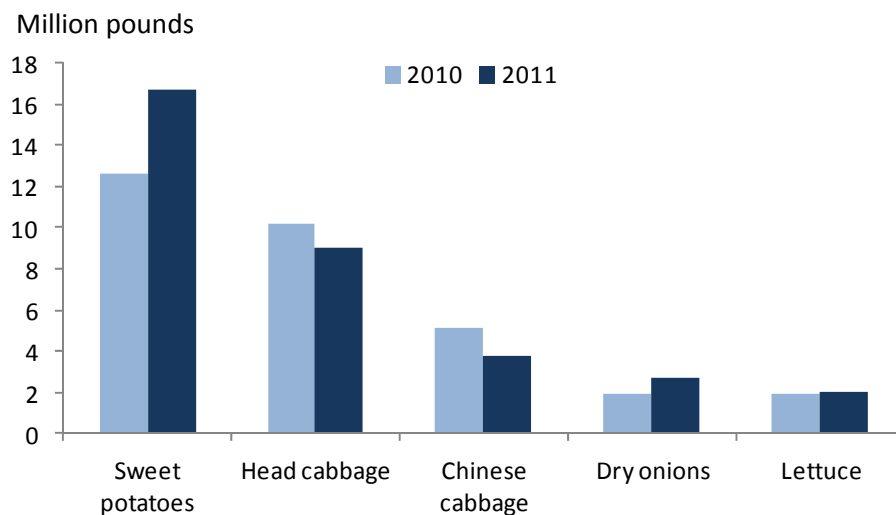
### VEGETABLES AND MELONS: Acreage, Production, and Farm Value, State of Hawaii, 2010 and 2011<sup>1</sup>

Name of Commodity	Harvested Acreage <sup>2</sup>		Production		Farm Value	
	2010	2011	2010	2011	2010	2011
	Acres		1,000 pounds		\$1,000	
Bittermelon	20	<b>20</b>	140	<b>120</b>	143	<b>119</b>
Cabbage, Chinese	230	<b>200</b>	5,100	<b>3,800</b>	1,650	<b>1,295</b>
Cabbage, head	410	<b>430</b>	10,200	<b>9,000</b>	3,107	<b>2,790</b>
Cabbage, mustard	100	<b>80</b>	1,200	<b>1,400</b>	775	<b>1,176</b>
Eggplant	75	<b>75</b>	1,500	<b>1,800</b>	1,463	<b>1,764</b>
Lettuce <sup>3</sup>	150	<b>140</b>	1,900	<b>2,050</b>	3,629	<b>5,453</b>
Onions, dry	140	<b>130</b>	1,900	<b>2,700</b>	2,223	<b>3,267</b>
Onions, green	135	<b>125</b>	1,500	<b>1,400</b>	2,227	<b>1,946</b>
Potatoes, sweet	1,100	<b>1,100</b>	12,600	<b>16,700</b>	6,510	<b>7,348</b>
Romaine	90	<b>110</b>	1,400	<b>1,700</b>	932	<b>1,037</b>
Squash, Italian	180	<b>170</b>	1,070	<b>1,300</b>	721	<b>1,014</b>
Squash, oriental	40	<b>40</b>	290	<b>270</b>	186	<b>162</b>
Watercress	35	<b>35</b>	780	<b>820</b>	1,373	<b>1,451</b>
<b>Total</b>	<b>2,705</b>	<b>2,655</b>	<b>39,580</b>	<b>43,060</b>	<b>24,939</b>	<b>28,822</b>

<sup>1</sup> Only selected crops are shown separately. Non-published vegetables and melons not shown separately to avoid disclosure of individual operations.

<sup>2</sup> Vegetables and melons: Acreage harvested; e.g. 1 acre planted and harvested 3 times during the year equals 3 harvested acres. <sup>3</sup> Includes head and semi-head (Manoa) lettuce.

### VEGETABLES AND MELONS: Top Five by Volume State of Hawaii, 2010 and 2011



# Herbs:



Hawaii fresh herb production for 2011 is estimated at 5.4 million pounds, 23 percent above the 4.4 million pounds in 2010. The record production high is 5.7 million pounds set in 2006. The farm value of all fresh herb sales in 2011 was \$9.5 million, down 12 percent from previous year.

Sweet (Italian) basil production is estimated at 1.4 million pounds in 2011, up 17 percent from 2010. Sweet basil farm prices for 2011, at \$1.75 per pound, were down 10 percent compared to previous year with farm gate revenues totaling \$2.4 million which were up 4 percent. Asian basil production is pegged at 2.8 million pounds for 2011, up 40 percent from 2010. Farm prices declined 25 cents to an average of \$1.35 per pound in 2011. The 2011 farm gate value for Asian basil is \$3.8 million, up 18 percent from previous year.

Production of all other herbs totaled 1.2 million pounds in 2011, unchanged from previous year. Farm revenues totaled \$3.3 million, down 38 percent which is attributed to lower prices. Major herbs in this combined category were galangal (Thai ginger), parsley, Chinese parsley (cilantro), rosemary, lemon grass, mint, chives, and various ethnic herbs. ■

## HERBS: Production, Price, and Value, State of Hawaii, 2007-2011

Year	Basil			Parsley	Chinese Parsley (Cilantro)	Other Herbs <sup>1</sup>	All Herbs
	Sweet (Italian)	Asian	Total				

### Production – 1,000 pounds

2007	2,100	1,600	3,700	140	150	1,410	5,400
2008	2,500	1,700	4,200	100	180	1,120	5,600
2009	1,900	2,300	4,200	<sup>2</sup>	<sup>2</sup>	1,100	5,300
2010	1,200	2,000	3,200	<sup>2</sup>	<sup>2</sup>	1,200	4,400
<b>2011</b>	<b>1,400</b>	<b>2,800</b>	<b>4,200</b>	<sup>2</sup>	<sup>2</sup>	<b>1,200</b>	<b>5,400</b>

### Farm price – dollars per pound

2007	1.65	1.25		2.10	2.60	2.20
2008	1.75	1.40		2.25	2.40	2.15
2009	1.95	1.35		<sup>2</sup>	<sup>2</sup>	2.81
2010	1.95	1.60		<sup>2</sup>	<sup>2</sup>	4.39
<b>2011</b>	<b>1.75</b>	<b>1.35</b>		<sup>2</sup>	<sup>2</sup>	<b>2.71</b>

### Farm value – 1,000 dollars

2007	3,465	2,000	5,465	294	390	3,102	9,251
2008	4,375	2,380	6,755	225	432	2,408	9,820
2009	3,705	3,105	6,810	<sup>2</sup>	<sup>2</sup>	3,087	9,897
2010	2,340	3,200	5,540	<sup>2</sup>	<sup>2</sup>	5,266	10,806
<b>2011</b>	<b>2,445</b>	<b>3,780</b>	<b>6,225</b>	<sup>2</sup>	<sup>2</sup>	<b>3,250</b>	<b>9,475</b>

<sup>1</sup> Includes spearmint, dill, and other herbs; some of which cannot be published separately to avoid disclosure. Also includes small amount of basil and parsley for which an individual total could not be obtained. <sup>2</sup> Data not shown separately to avoid disclosure of individual operations but combined and included with "Other herbs."

## U.S. Sugarcane:




Production of sugarcane for sugar and seed in 2012 is forecast at 31.3 million tons, up 1 percent from the September 1 forecast and up 6 percent from 2011. Producers intend to harvest 898,000 acres for sugar and seed during the 2012 crop year, up 5,000 acres from the previous forecast. Expected yield for sugar and seed is forecast at 34.8 tons per acre, up 0.1 ton from the September 1 forecast.

The sugarcane crop in Florida and Louisiana benefitted from adequate rainfall during September. In Louisiana, harvest was slowed due to some lodging of the crop caused by Hurricane Isaac. ■

### SUGARCANE FOR SUGAR AND SEED: Area Harvested, Yield, and Production, by State and United States, 2011 and Forecasted October 1, 2012

State	Area harvested		Yield <sup>1</sup>			Production <sup>1</sup>	
	2011	2012	2011	2012		2011	2012
				Sep 1	Oct 1		
	———— 1,000 acres ————		————— Tons —————			———— 1,000 tons ————	
Florida	397.0	<b>410.0</b>	38.0	<b>37.8</b>	<b>38.0</b>	15,085	<b>15,580</b>
Hawaii	16.6	<b>17.0</b>	80.2	<b>80.0</b>	<b>80.0</b>	1,332	<b>1,360</b>
Louisiana	410.0	<b>425.0</b>	27.6	<b>30.0</b>	<b>30.0</b>	11,320	<b>12,750</b>
Texas	49.0	<b>46.0</b>	33.6	<b>33.7</b>	<b>34.5</b>	1,646	<b>1,587</b>
U.S.	872.6	<b>898.0</b>	33.7	<b>34.7</b>	<b>34.9</b>	29,383	<b>31,277</b>

<sup>1</sup> Net tons.




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# U.S. Sugarbeets:



Production of sugarbeets for the 2012 crop year is forecast at 35.6 million tons, up 23 percent from last year. Producers expect to harvest 1.22 million acres, up slightly from the previous forecast. Expected yield is forecast at 29.3 tons per acre, unchanged from the previous month but 5.5 tons higher than last year. If realized, this will be a record yield for the United States.

Most of the growing region experienced dry growing conditions during September. However, early planting, hot temperatures, and adequate irrigation boosted the crop's potential. ■

**SUGARBEETS: Area Harvested, Yield, and Production, by State and United States, 2011 and Forecasted October 1, 2012<sup>1</sup>**

State	Area Harvested		Yield			Production	
	2011	2012	2011	2012		2011	2012
				Sep 1	Oct 1		
	———— 1,000 acres ————		———— Tons ————			———— 1,000 tons ————	
California	25.1	<b>24.5</b>	44.0	<b>43.0</b>	<b>43.0</b>	1,104	<b>1,054</b>
Colorado	28.7	<b>29.7</b>	28.9	<b>34.0</b>	<b>34.0</b>	829	<b>1,010</b>
Idaho	176.0	<b>182.0</b>	34.4	<b>35.4</b>	<b>35.4</b>	6,054	<b>6,443</b>
Michigan	153.0	<b>153.0</b>	24.0	<b>28.0</b>	<b>28.0</b>	3,672	<b>4,284</b>
Minnesota	469.0	<b>473.0</b>	19.0	<b>27.0</b>	<b>27.0</b>	8,911	<b>12,771</b>
Montana	43.0	<b>46.0</b>	25.9	<b>28.9</b>	<b>28.9</b>	1,112	<b>1,329</b>
Nebraska	51.6	<b>49.0</b>	24.9	<b>31.0</b>	<b>31.0</b>	1,287	<b>1,519</b>
North Dakota	225.0	<b>216.0</b>	20.5	<b>27.0</b>	<b>27.0</b>	4,613	<b>5,832</b>
Oregon	10.8	<b>11.0</b>	35.8	<b>37.5</b>	<b>37.5</b>	387	<b>413</b>
Wyoming	30.9	<b>31.3</b>	27.8	<b>30.1</b>	<b>30.1</b>	859	<b>942</b>
U.S.	1,213.1	<b>1,215.5</b>	23.8	<b>29.3</b>	<b>29.3</b>	28,828	<b>35,597</b>

<sup>1</sup> Relates to year of intended harvest in all States except California. In California, relates to year of intended harvest for fall planted beets in central California and to year of planting for overwintered beets in central and southern California.



## Farm Financial Indicators:

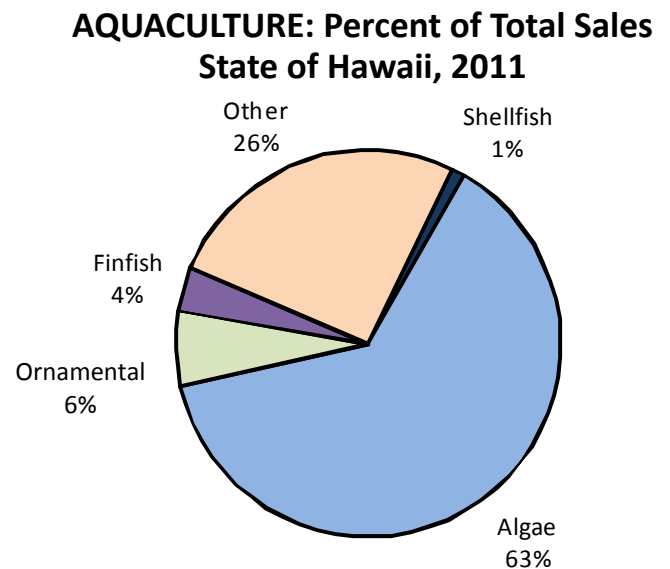
### FARM FINANCIAL INDICATORS: Value Added to the Hawaii Economy by the Agricultural Sector Via the Production of Goods and Services, 2007-2011<sup>1</sup>

Item <sup>2</sup>	2007	2008	2009	2010	2011
	<i>1,000 dollars</i>				
Value of crop production	516,512	511,602	561,316	618,065	<b>631,404</b>
Fruits and tree nuts	129,836	133,094	91,183	91,061	<b>99,670</b>
Vegetables	68,570	68,698	73,340	82,131	<b>82,362</b>
All other crops	317,579	309,176	395,218	443,102	<b>447,604</b>
Home consumption	527	634	1,575	1,771	<b>1,768</b>
Value of inventory adjustment <sup>3</sup>	0	0	0	0	<b>0</b>
Value of livestock production	64,902	61,679	71,876	67,236	<b>88,724</b>
Meat animals	29,878	27,664	31,941	34,554	<b>48,993</b>
Dairy products	9,673	5,460	7,491	8,750	<b>9,547</b>
Poultry and eggs	7,902	8,767	8,854	8,283	<b>NA</b>
Miscellaneous livestock	21,467	21,270	22,710	21,970	<b>31,329</b>
Home consumption	108	130	229	219	<b>264</b>
Value of inventory adjustment <sup>3</sup>	-4,126	-1,612	651	-6,540	<b>-1,409</b>
Revenues from services and forestry	70,189	80,513	77,836	84,395	<b>98,625</b>
Machine hire and customwork	8,900	10,041	13,374	12,686	<b>13,169</b>
Forest products sold	400	400	400	400	<b>400</b>
Other farm income	22,791	32,335	24,327	30,414	<b>41,206</b>
Gross imputed rental value of farm dwellings	38,098	37,737	39,735	40,895	<b>43,850</b>
Value of agricultural sector production	651,603	653,794	711,028	769,696	<b>818,753</b>
less: Purchased inputs	245,834	251,299	252,272	262,527	<b>294,846</b>
Farm origin	37,625	43,496	38,294	37,457	<b>46,306</b>
Feed purchased	19,610	25,425	23,103	21,623	<b>30,361</b>
Livestock and poultry purchased	65	93	59	72	<b>149</b>
Seed purchased	17,950	17,978	15,132	15,762	<b>15,796</b>
Manufactured inputs	88,090	88,778	93,208	106,894	<b>121,170</b>
Fertilizers and lime	30,238	30,799	33,179	35,893	<b>36,102</b>
Pesticides	17,238	17,143	19,146	24,688	<b>36,329</b>
Petroleum fuel and oils	23,619	23,789	22,454	26,089	<b>27,934</b>
Electricity	16,995	17,047	18,429	20,224	<b>20,805</b>
Other purchased inputs <sup>4</sup>	120,119	119,025	120,770	118,176	<b>127,370</b>
plus: Net government transactions <sup>5</sup>	-7,628	-5,677	-460	1,827	<b>2,037</b>
Gross value added	398,141	396,818	458,296	508,996	<b>525,944</b>
less: Capital consumption	44,813	47,845	54,158	55,235	<b>57,856</b>
Net value added	353,328	348,973	404,138	453,761	<b>468,088</b>
less: Payments to stakeholders	209,704	204,623	201,035	214,402	<b>236,847</b>
Employee compensation (total hired labor)	183,224	178,578	174,192	187,023	<b>209,065</b>
Net rent received by nonoperator landlords	5,133	5,523	5,498	6,610	<b>7,895</b>
Real estate and nonreal estate interest	21,347	20,522	21,345	20,769	<b>19,887</b>
Net farm income	143,624	144,350	203,103	239,359	<b>231,241</b>

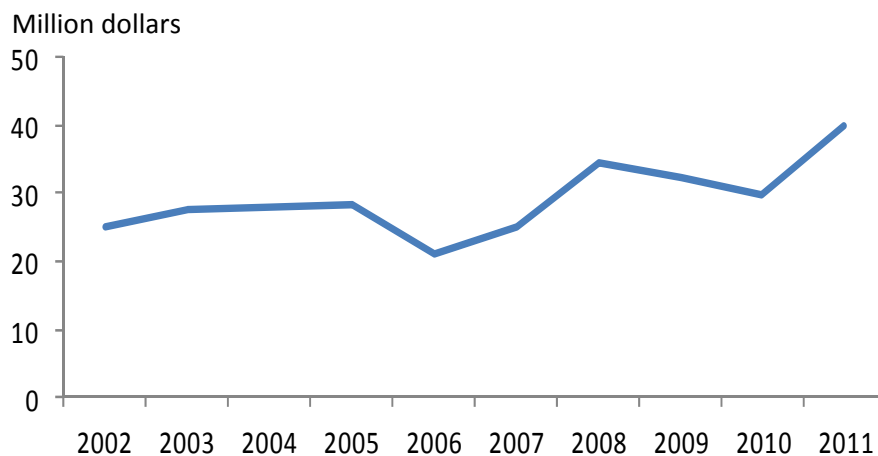
NA = Not available. <sup>1</sup> Revised. <sup>2</sup> Value of agricultural sector production is the gross value of the commodities and services produced within a year. Net value-added is the sector's contribution to the National economy and is the sum of the income from production earned by all factors-of-production, regardless of ownership. Net farm income is the farm operators' share of income from the sector's production activities. The concept presented is consistent with that employed by the Organization for Economic Cooperation and Development. <sup>3</sup> A positive value of inventory change represents current-year production not sold by December 31. A negative value is an offset to production from prior years included in current-year sales. <sup>4</sup> Includes repair and maintenance of capital items, machine hire and customwork, marketing, storage, and transportation expenses, contract labor, and miscellaneous expenses. <sup>5</sup> Net government transactions is derived by subtracting motor vehicle registration, licensing fees, and property taxes from direct government payments. Source: Economic Research Service, USDA.

## Aquaculture: Value Totaled \$40.0 Million in 2011

Hawaii aquaculture totaled a record \$40.0 million in 2011, increasing \$10.0 million from the previous year and rebounding after two consecutive years of decline. Algae sales accounted for 63 percent of the value and amounted to \$25.2 million. The ‘other’ category which includes seed stock, brood stock, fingerlings, other items counted by number, and disclosures accounted for 26 percent of the total or \$10.3 million. The ornamental category was pegged at \$2.5 million or 6 percent of the total. Finfish sales by weight totaled \$1.5 million contributing 4 percent to the total. Shellfish sales by weight amounted to \$413 thousand, making up the remaining 1 percent of the total. ■



### AQUACULTURE: Value, State of Hawaii, 2002-2011



### AQUACULTURE: Number of Operations, Production, and Value, State of Hawaii, 2007 - 2011

Year	Operations	Production		Value					Total
		Shellfish	Finfish	Shellfish	Finfish	Algae	Ornamental	Other <sup>1</sup>	
	<i>Number</i>	<i>1,000 pounds</i>		<i>1,000 dollars</i>					
2007	70	65	533	520	4,583	10,941	2,424	6,642	25,110
2008	70	32	1,311	261	7,022	15,740	3,346	8,281	34,650
2009	70	56	821	420	4,447	16,995	2,671	7,797	32,330
2010	75	76	211	575	1,012	16,725	1,837	9,821	29,970
<b>2011</b>	<b>70</b>	<b>55</b>	<b>315</b>	<b>413</b>	<b>1,493</b>	<b>25,230</b>	<b>2,514</b>	<b>10,320</b>	<b>39,970</b>

<sup>1</sup> items not sold by weight which includes number count for example seed stock, brood stock, fingerlings, and disclosures.