

Livestock Extension Update

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Livestock in Hawaii

- ~ 1,720 livestock farms/ranches in Hawaii
- As of Jan 1st 2014
 - ~130,000 head of cattle (~2,200 dairy cows)
 - ~10,500 sheep and goats
 - ~11,500 hogs
 - ~ 30 million lbs of milk produced
 - ~305,000 layers and broilers in production



Livestock in Hawaii

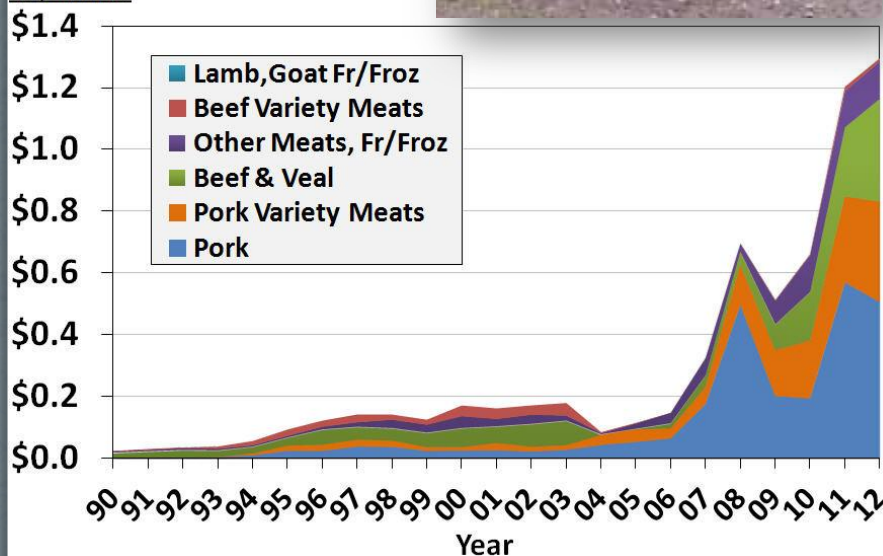
- Drought and cost to import feed have resulted in some decreases in livestock numbers
- However.....
- Number of small farms is on the sharp rise!!
- Diversification within existing farms is also increasing!!
 - Organic? Natural Raised? Multi-species
- And these are just the farms that are reported, so in reality many many more are contributing to economy and food production

Goals



- **A Few of Our Livestock Goals**
 - Raise more food here using the resources we have on hand or can grow locally
 - Have the highest quality of meat/eggs/milk our public is demanding
 - Facilitate US and international export opportunities for genetics, animals, and/or products
 - Help our farmers and ranchers with education and training to help them economically and to produce even healthier animals

US\$ Billions



Projects

Island Fresh
Buy Local It Matters
Join the movement!




- Helping ranchers and farmers expand into grass/local finished products
 - Genetics
 - Forage management
 - Nutrition
 - Soil health
 - Quality of products
 - Developing/marketing new products
- Enhance ability to export to US mainland and internationally
- Animal Health

Projects


- **Genetics**
 - **Grass Finish Beef Genetics**
 - **Hawaii-specific successful genetic profiles**
 - **Use of technology**

GAR PROGRESS
7AN322



DDC

- The #1 Marbling bull in the world
- No other bull can match his CED and \$B combination
- Breeding heifers for retained ownership? Use him!
- Ultrasound shows over 400 scans at 113 %IMF ratio



Dam of Progress

REG: +16290873 TATTOO: 7608 BORN: 9-1-08

BW: 76 lbs/ ET B/R New Design 036
 WW: 698 lbs/ ET GAR Predestined
 YW: 1438 lbs/ ET GAR Ext 4206
 Yr. SC: 38 cm 55 Objective T510 OT26
 Yr. Frame: 3.9 GAR Objective 2345
 From Gardiner Angus Ranch, KS GAR 1407 New Design 2413
 and Lake View Farm, NY

AAA EPDs as of 12/6/12	Production				Marbling								Carcass				C U				Wt/Val				
	CED	BW	WW	YW	RAND	TM	GC	SSC	HF	GM	MR	MM	MI	MR	CW	Marb	RE	Fat	Eye	SpGr	BW	BF	HO	MR	
EPD	89	-4.8	86	89	.86	.2	-62	23	-1.9	18	38	32	5	.2	-21.87	37	1.83	.73	.332	11	188	48.75	48.73	67.50	122.25
Acc	.75	.89	.83	.78	.46	.83	80	.70	.38	.37	.45	.44	.48	.37	.58	.84	.82	.81	.21	.209					
% Rank	1	10	20	30			10			1	1				38	1	15				3	25	1	1	

Spring 2014 Angus Breed Average EPDs as of 12-5-13
 Production: CED: -3 BWE: -1.7 WVE: -27 YW: -34 RAND: +.59 Y16: -5 SC: -73 Doc: -10 Maternal: HF: -8.0 CMM: -8 Milk: +23 MVE: -29 MIE: +3 g100: -2.04
 Carcass: CW: +28 Marb: +.43 RE: +30 Fat: -0.10 \$Value: \$W: -30.77 \$F: -29.04 \$C: +27.50 \$H: +27.23



Projects



- **Forage Management**
 - **Drought resistance**
 - **Using former sugarcane lands**
 - **Grazing management techniques**
 - **Multi-species grazing**



Projects



- **Nutrition**
 - **How can we raise more animals here using the resources we have on hand or can grow here?**



Projects

- **Soil Health**
 - **Improving grasses through continually making the soil healthier**



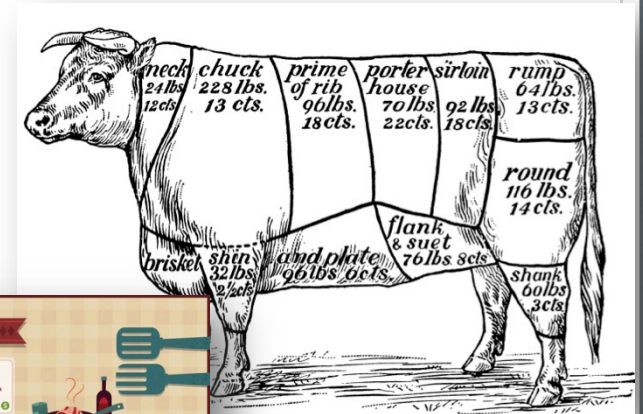
Projects



- **Meat Quality**
 - **Consistent, high quality, safe, affordable and healthy are what consumers want**
 - **Educating farmers and ranchers how to continually improve in each area**
 - **On-the-ground studies to evaluate management changes that make impacts on meat quality**
 - **Intensive study of 100's of grass-finish cattle currently underway**

Projects

- **Developing and Marketing Local Products – Including New Cuts**
 - Expanding goat, sheep, poultry, dairy
 - Marketing of local products
 - New cut: i.e. beef tri-tip steaks



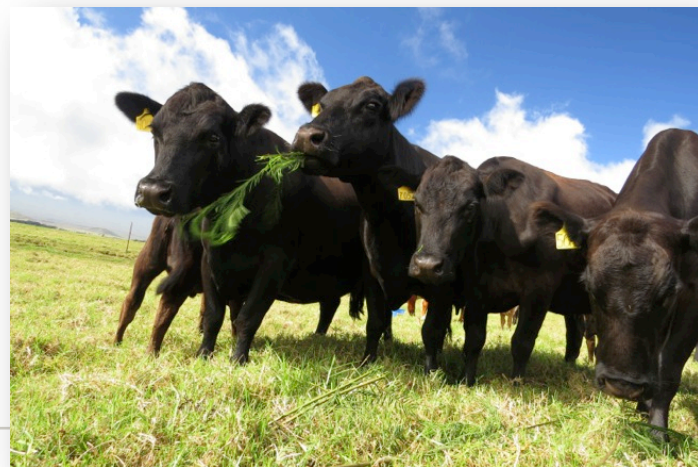
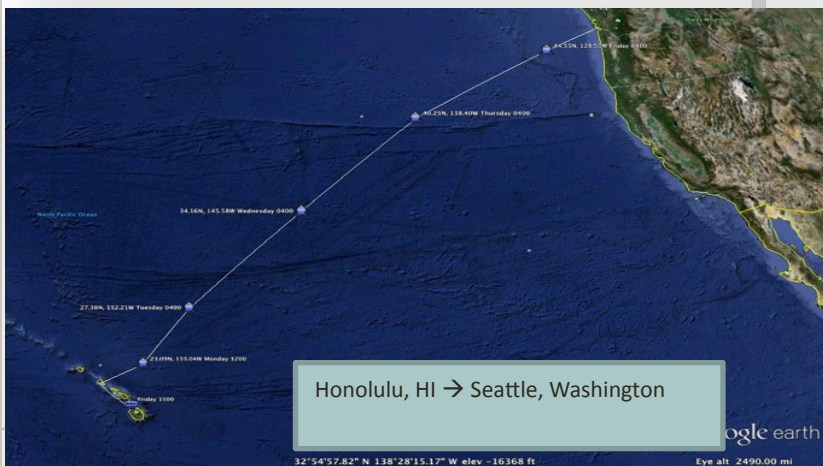
CUTS OF BEEF
A CHEAT SHEET FOR MEAT TREATS

Source: FreshBooks Meat Pricing Special Calculator
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visual.ly

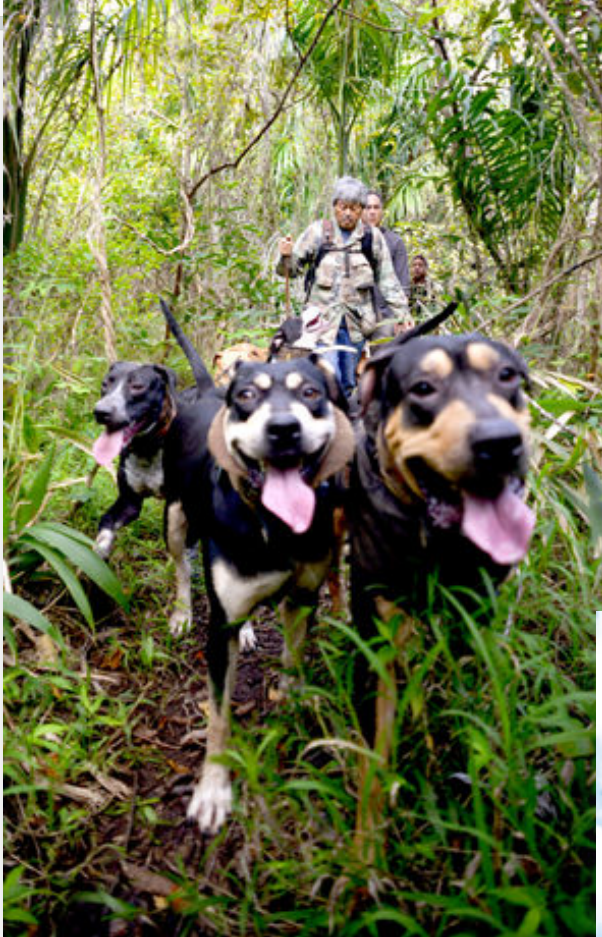
Projects

- Enhance ability to export animals, genetics, and/or products to the mainland US and internationally
 - Ensure shipping between islands and to mainland is optimal
 - Interest internationally for our UH grass-finish genetics
 - Assist producers to take advantage of export opportunities



Projects

- **Animal Health**
 - **Better understanding of disease transmission**
 - **Disease prevention through best vaccination, deworming, and management protocols**



Future of Livestock Extension

- Small number of agents and specialists to serve the entire State and Pacific Region
- Extension IS our link to producers and the community
- Tremendous providers of education and training for our farmers & ranchers
- #1 need we have to serve our stakeholders like we need to?
- Get back to the previous numbers of agents and specialists needed to help farmers/ranchers (large and small; conventional and organic/natural) on all islands!



Thank you!

