

University of Hawai'i at Mānoa



Marianas Grazing and Livestock Management Academy

College of Tropical Agriculture and Human Resources

An Overview and Summary of the Marianas Grazing Management Academy 2009 – 2013

2013 Tropical Pasture and Livestock Management Conference
June 4-7
Tinian, CNMI

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Project supported by the Outreach and Assistance for Socially Disadvantaged Farmers and Ranchers program of the USDA
National Institute of Food and Agriculture, grant #2009-51200-19601, #59-2501-10-040s-12



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Where it all began.....

- Early discussions
- From Hawaii to the Marianas
- May 2009 Reconnaissance of each Island



Pasture and livestock evaluations with ranchers. Meetings with local University Faculty and USDA Representatives.





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- Funded through USDA program
 - Two 3 year grants (overlapping) totaling \$1.8 million

Phase 1:

1. Conduct evaluations of land and livestock resources through individual farm visits, advisory meetings, and pasture and herd surveys.
2. Work with local livestock advisory groups for strategic planning and identification of emerging issues critical to sustainable livestock production.
3. Identify cooperating producers and develop demonstration projects and investigative trials for determination of Best Management Practices (BMP) for pasture improvement.





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Phase 2:

4. Develop, organize and provide a series of appropriate grazing and livestock management workshops.
5. Organize and provide artificial insemination education and assistance programs to producers.
6. Develop and disseminate educational and technical publications on BMPs for pasture improvement, grazing and livestock management for the Mariana Islands.

Phase 3:

7. Develop and implement a plan for continued cooperation and partnership in extension outreach, assistance and strategic planning to benefit graziers in the Mariana Islands





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- Conducted 24 workshops and field days (28 with Palau and Ponphei)
- Topics included:
 - Principles of Grazing Management, Ranch Planning, and Record Keeping
 - Ranch Economics
 - Livestock husbandry, health, and nutrition
 - Pasture management, soil fertility, and forage production
 - Herd management and genetics
 - Body condition and frame scores
 - Low stress animal handling
 - Slaughter, value added product development and marketing of product
 - Weed management
 - Pasture evaluations/stocking rate calculations
 - Grass/forage identification
 - And more....





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- Nineteen field demonstrations and trials
 - Improved forages plots - grasses, perennial peanut, Leucaena (Taramba, Wondergraze)
 - Weed control demonstration plots

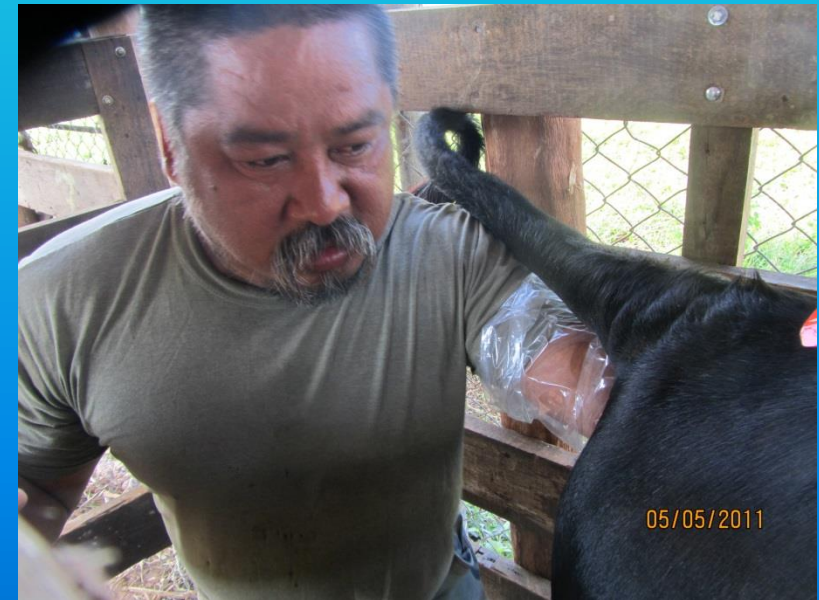




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- Genetic improvement program
 - Senepol Semen Provided for Artificial Insemination/ AI training program





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- Other Accomplishments:
 - Slaughter Facility Feasibility studies for each island
 - Livestock Industry strategic plans for each Island Association
 - Two Pacific Basin wide Tropical Pasture and Livestock Management Conferences
 - Pocket Record Book
 - Website <http://manoa.hawaii.edu/ctahr/tpalm/index.html>





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Leucaena (Tangantangan):





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Questions?



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