Improving Navajo Nation Agricultural Production

238 Extension Grant

BY: SHAILA BEN
Sustainable Agricultural Integrated System of Plants and Animal Production

- Preconditioning and Marketing Opportunities
- Herd Health Program
- Quality Assurance
- Environmental Impacts
- Annual Wool Buy
- Youth Development
NAVAJO FARMERS & RANCHERS

Diné Beke’ yah (Land of the People) productive agricultural region, extremely diverse in soils, climates, markets and practices of animal husbandry

To address agricultural production focus in making accessible improvements for producers through today’s modern development.

Continue to grow and revitalize other aspects of Diné Economy

<table>
<thead>
<tr>
<th>Animal Species</th>
<th>Number of Farms</th>
<th>Number of Animals (unit head)</th>
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</thead>
<tbody>
<tr>
<td>Cattle and Calves</td>
<td>5,830</td>
<td>71,605</td>
</tr>
<tr>
<td>Beef Cows</td>
<td>4,914</td>
<td>50,991</td>
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<tr>
<td>Sheep and Lambs</td>
<td>9,378</td>
<td>171,107</td>
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<tr>
<td>Horse and Ponies</td>
<td>8,509</td>
<td>51,433</td>
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<tr>
<td>Goats</td>
<td>6,206</td>
<td>74,675</td>
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<tr>
<td>Total</td>
<td></td>
<td>419,811</td>
</tr>
</tbody>
</table>

Gathered by USDA
LIVESTOCK MANAGEMENT

• Livestock operations and producing meat performance and other products

• Curriculum and facilitation guides produced enhance Navajo Agricultural Production

• Developed training programs to help fulfill the requirements for certification

• Incorporate management techniques and strategies
Livestock Management

• Preconditioning
• Nutrition
• Herd Health

Workshops
• Annual Vaccines
• Sheering
• Docking tails, Castration
• Deworm
• Animal identifications systems
Quality Assurance

• Corrals
• Fencing
• Gates
• Handling Livestock
• Proper Resources
Environmental Impacts

• Range conditions
• Revitalizing old farm plots
  - Cover Crops
• Soil amendments
• Invasive species
• Rodents, pest etc.
Irrigation Systems

• Water Conservation

Gated Pipe Irrigation
Irrigation System
Pressurized Irrigation Box
Drip Irrigation
Wool Buy

- Minimize Wool Contamination
- Sort and Package Separately
- Tags Out/Bellies Out
- Full Table Skirt
- Classing

- Breed, Selection and Management
<table>
<thead>
<tr>
<th>Year</th>
<th>Wool Payout</th>
<th>Wool (lbs)</th>
<th>Mohair Payout</th>
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<tbody>
<tr>
<td>2012</td>
<td>$8,453.00</td>
<td>12,077</td>
<td>$741.00</td>
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<tr>
<td>2013</td>
<td>$32,522.00</td>
<td>44,688</td>
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<td>2014</td>
<td>$46,691.00</td>
<td>80,503</td>
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<td>2015</td>
<td>$42,911.00</td>
<td>80,939</td>
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<td>2016</td>
<td>$61,771.00</td>
<td>96,176</td>
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<td>2017</td>
<td>$73,260.00</td>
<td>123,763</td>
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</table>
Youth Development

• School Gardening
• Sheering
Results
Acknowledgement

- Diné College
- Land Grant Office of Diné College
- USDA/APHIS
- Navajo Ranchers/Producers
Thank You FALCON 2017
Questions?