Feed and livestock sub-sectors needs and opportunities in Afghanistan

Enhancing…
    …feed resource base…
        …dairy production and processing…
            …capacity building/knowledge exchange…
                …partnerships…institution building….etc.
Improved rural incomes from better forage production and sales of milk products

- ICARDA
- Aga Khan Foundation
- Ministry of Agriculture and Livestock
- Macaulay Institute
Purpose
Promote smallholder dairying and marketing as a sustainable agricultural livelihood in mixed farming

Location: Baghlan Province
Duration: June 2004 – December 2006
Beneficiaries: Poppy growing crop-livestock farmer
Outputs

- Increased forage production
- Improved feeding packages for milk production
- Community based milk processing & marketing
- Improved skills – farmers and research staff
- Increased job opportunities / household income
Done……

☐ Stakeholder workshop & selection of the District
☐ Selection of the community
☐ Selection of the beneficiaries
☐ Exchange of the knowledge
Improved of Forage

Beside the enhancement of rural income from the improvement of forage production and dairy products selling:

- Forage production practices organic /inorganic fertilizers
- Forage harvesting practices
### Forage crop status trails

<table>
<thead>
<tr>
<th>Corp</th>
<th>Methods of planting</th>
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</thead>
<tbody>
<tr>
<td>Sainfain</td>
<td>Trails / On farm</td>
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<tr>
<td>Alfalfa</td>
<td>Trails / On farm</td>
</tr>
<tr>
<td>Montana broom</td>
<td>Trails</td>
</tr>
<tr>
<td>Stockman</td>
<td>Trails</td>
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<tr>
<td>Bata vulgaris</td>
<td>Trails</td>
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</tbody>
</table>
Farmers Training initiated

- Validation of legume in hay mixtures
- Evaluation of alternative spring/summer forages
- Seed multiplication of forage legumes alfalfa, Sainfain
- Integration of forages into cropping systems cereal/forage legume relays.
Feeding System Improvement

- Economic ratio formulation
- Principle of feeding
- Feed block preparation in Summer
- Smallholder silage preparation
Improvement of Milk processing

- Monitor seasonal changes in milk yield
- Test alternative household methods of milk processing
- Compare efficiency of local and introduced methods of milk processing
- Establish smallholder processing units in two communities
- Monitor quality of milk and milk products
Training of staff

☐ PTD participatory Technology Development
☐ Milk processing
☐ Range management and pasture improvement