FOR CHOLISTANI CATTLE BREEDING IN PUNJAB

GOVERNMENT LIVESTOCK FARM, JUBWITHEER,
DISTRICT BAHAWALPUR

PURPOSE

1. Preservation and Development of nucleus herd of Cholistani cattle
2. To study the productive and reproductive traits of Cholistani Cattle.
3. To enhance socio-economic status of Livestock farmers in Cholistan
4. Breed improvement through provision of breeding bulls to breeders and S.P.U’s.

BREED CHARACTERISTICS

- Cholistani Cattle are considered to be ancestors of Sahiwal breed.
- Medium size with body weight of cows (300-350 Kg) and of bulls (450-500 Kg) having white body with brown spots or brown body colour with white spots or tan, black splashed coat.
- The body is wedge shaped with fine thick, loose skin, medium-short head, medium-sized ears, black muzzle, small and thick horns broad at the base, tapering blunt at the top.
- Females are often dehorned. Black eye lids with a voluminous dewlap and sheath, massive hump in male but slight in female are its distinctive features.
- Hooves are black and well set, the tail is long with black tuft, the balanced udder and teats are of uniform length and size.
- The cows raised as dairy animals but their male calves are a source of good quality beef.

PRODUCTION SYSTEM:

1. Rural Subsistence Smallholdings:
   Av. Herd Size: 2 or 3 Cows
   Feeding Resources:
   i. Grazing
   ii. Fodder
   iii. Crop residues
   iv. Partly concentrate
2. Rural Market-Oriented Smallholdings:

Av. Herd Size:
More than 6 cattle with two or three in milk

Feeding Resources:
   i. Green Fodder
   ii. Straws
   iii. Concentrate
   iv. Grazing

3. Rural Commercial Farms:

Av. Herd Size:
More than 40 animals

Feeding Resources:
   i. Fodder Crop
   ii. Straws
   iii. Concentrate
   iv. Roughages (Dry Animals)

4. Peri-Urban Commercial Dairy Farms:

Av. Herd Size:
50-200 animals or above

Feeding Resources:
   i. Concentrate
   ii. Straws
   iii. Green Fodder

5. Nomadic Dairy Farming:

Av. Herd Size:
Upto 1000 animals or above

Feeding Resources:
Natural range lands of Cholistan area.
PAST INITIATIVES

Cholistani Cattle Breed have been preserved at Govt. Livestock Farm, Jugaitpeer, District Bahawalpur since 1982-83. Main objectives are to maintain pure nucleus herd of Cholistani Cattle and Buchi Sheep and proliferation of superior germ plasm through providing Cholistani MYS to interested Breeders and SPUs.

A Scheme Titled, “Development of Cholistani Breed of Livestock through Provision of Better Animal Services” in which 2700 Cholistani Cattle were registered in Three Tehsils i.e. Yazman, Chishtian and Khairpur Tamewali. A.I Services, Vaccination, Deworming and Medication provided to the interested breeders at their door step.

PHYSICAL ACHIEVEMENTS

<table>
<thead>
<tr>
<th>SR. #</th>
<th>ACTIVITY</th>
<th>TARGETS</th>
<th>ACHIEVEMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Cows purchased</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>2</td>
<td>Breeding Bulls produced</td>
<td>40</td>
<td>58</td>
</tr>
<tr>
<td>3</td>
<td>Breeding Calves purchased</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>4</td>
<td>Bulls distributed among interested breeders</td>
<td>25</td>
<td>27</td>
</tr>
<tr>
<td>5</td>
<td>Registration of Elite animals</td>
<td>250</td>
<td>250</td>
</tr>
<tr>
<td>6</td>
<td>Nos. of A.I Services performed</td>
<td>250</td>
<td>250</td>
</tr>
<tr>
<td>7</td>
<td>Nos. of animals vaccinated</td>
<td>30000</td>
<td>30000</td>
</tr>
<tr>
<td>8</td>
<td>Nos. of animals treated</td>
<td>5450</td>
<td>5450</td>
</tr>
<tr>
<td>9</td>
<td>Nos. of animals dewormed</td>
<td>22850</td>
<td>22850</td>
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</table>

CHOLISTAN

Total Area 66,55,360 Acres (10399 Sq. Miles)

Bahawalnagar Bahawalpur Rahim Yar Khan
10,11,200 Acres 40,29,160 Acres 16,16,000 Acres

Length –480 Kms
Width –32 to 192 Kms
Temperature –6.3 to 51.2
Rainfall –128-175 mm
Ground Water –Mostly brackish, 25-90 m deep
Sweet water zones –Hakra bed, canal seepage Zones
Human population –0.155 Million
Livestock population –1.258 Million

CHOLISTAN DEVELOPMENT AUTHORITY

CLDP (Cholistan Livestock Development Project) targeting animal health care services in Cholistan Desert.

SHADBAAD COOPERATIVE LIVESTOCK FARM PROJECT

• 5 Cooperative Livestock Farms of 500 acres each are going to be established, publicly funded professionally managed based on community participation model at Toba Noor Sir, Chapu, Jam Garh, Multan wala and Mauj Garh. Where 250 milking cows and 850 Cholistani MYS for fattening purpose are to be maintained at each farm.

• Introduction of Modern technology for milk and meat production.

• Every farms has a covered area of 40000 sq. ft
## ACTION PLAN FOR CHOLISTANI CATTLE BREEDING IN PUNJAB, CHOLISTAN

<table>
<thead>
<tr>
<th>Objective</th>
<th>Strategy</th>
<th>Program</th>
<th>Target/Time Frame</th>
<th>Action by</th>
<th>Role of Stakeholder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Improving Milk Production</td>
<td>Selective Breeding</td>
<td>Registration of Cholistani Farms</td>
<td>30 Farms in 1st year followed by 5/annum</td>
<td>DLF CCBS</td>
<td>DLF: Registration and selective breeding at Jugaitpeer. CCBS: Collaboration and assistance in registration.</td>
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<tr>
<td>Milk Production recording</td>
<td></td>
<td></td>
<td>300 cows 1st year followed by 45/annum</td>
<td>DLF CCBS</td>
<td>DLF: Weekly/monthly milk recording of Cholistani herd at GLF Jugaitpeer and in field. Collaboration and monitoring in field milk recording.</td>
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<tr>
<td>Identification of elite Cholistani in the milk recorded herd</td>
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<td>Recording would be simple (monthly) for all cows of a farmer. Top 20% recorded cows within a village/centre declared as elite</td>
<td>DLF CCBS</td>
<td>DLF: Identification of elite cows after data analysis. CCBS: Collaboration in selection of elite cows.</td>
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### Role of Stakeholder

**DLF**: Directorate of Livestock Farms, Punjab, Lahore  
**DBI**: Directorate of Breed Improvement  
**CCBS**: Cholistani Cattle Breeders Society  
**RV&FC**: Remount Veterinary and Farms Crop