BREEDING PROGRAM AND BREEDER ASSOCIATIONS’ COLLABORATION SYSTEMS OF TURKEY

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• Turkey is located in the eastern Mediterranean and a bridge between the continents of Europe and Asia.
• Total land area is 785.347 km²
• Population is estimated as 75.6 million
• Turkey is mainly divided into seven regions as you see below picture.
LIVESTOCK POPULATION OF TURKEY

- Cattle: 14.4 million head
- Water buffalo: 117 thousand head
- Sheep: 29.2 million head
- Goat: 9.2 million head
TURKEY GOAT BREEDS

Angora

Norduz

Honamli

Hair Goat

Kilis

Damascus Goat

Gurcu Goat

Ispir Goat

Kackar Goat

Abaza Goat

Malta Goat

Turk Saanen Goat
TURKEY SHEEP BREEDS

Akkaraman

Morkaraman

İvesi

Hemsin

Sakiz

Kivircik

Karayaka

Karagul

Herik

Dağlıç

Norduz
PROJECT AIM

- Improvement of different yields (milk, meat, mohair, prolificacy) of national (local) sheep and goats in breeder conditions in Turkey.
- While improving yield characteristics of small ruminants, infrastructure system of breeder organization, setting up animal registration systems and thereby the awareness of livestock breeders will be increased and also protect local genetic resources of Turkey in breeders level.
PROJECT JUSTIFICATION

- Lack of small ruminant registration system,
- Lack of sheep and goat breeders organization system,
- Insufficient sheep and goat yield capacities,
- Requirement of high capacity ram and billygoat,
- Improvement socio-economic level of sheep & goat breeders.
METHOD

Institution/Breeders farms

Selected farms

Basic sheep and goat farms

Breeding best Ram/Billygoat for semi elit flock

Ram breeding for base flock

Elite Flock
- 10 Ram/Billygoat
- 300 Sheep
- Breeding under control

Semi Elite Flock
- 20 Ram/Billygoat
- 700 Sheep/Goat
- Breeding under control

Base Flock
- 270 Ram/Billygoat
- 5000 Sheep/Goat
- Sheep&Goat Lamb&Kids will be registered
PROJECT

Project Process

First Application
• MFAL Branch (Province & Country)
• SGBAT Branch

Animal & Breeders selection
• Project leader (PL) and MFAL Branch expert

Contract signing
• SGBA Pres.
• GDAR
• Breeder

Project Tech. Staff (PTS) Appointment Process
• MFAL Branch
• PL
• SGBAT Branch

To Start Project Data Collection and Analysis
• SGBA
• GDAR
• PL
• PTS

Cash advance transfer to breeder account

Breeder

Cash Payment to SGBA account

Payment list last control and transfer to main account
• GDAR

Payment list control and transfer to GDAR
• MFAL Branch

Support payment process
• Form preparation to support
• MFAL Branch
• PL
• SGBAT Branch
Sheep and Goat Breeder Association of Turkey (SGBAT)

SGBAT was founded in 2006

SGBAT is working;

80 provinces,
171 thousands members,
18.7 million registered sheep and goats.
WHAT WE DID AT FIRST PERİOD?

- **Duration:** First period (2006-2010)
- **Project area:** 13 different provinces of Turkey.
- **Support cost (cash advance to breeders):** 2,5 million Turkish Liras (TL)
- **Material:**
  - 12 Sheep&Goat Breeds
  - 466 breeders, 81,000 head animal were registered
» PROJECT VIEW BETWEEN 2006-20
**FIRST 5 YEAR PERIOD RESULTS IN PROJECTS**

**Live weight gain after weaning of lambs (kg)**

<table>
<thead>
<tr>
<th>Title</th>
<th>Morkaraman Sheep</th>
<th>Akkaraman Sheep</th>
<th>Anatolian merino sheep</th>
<th>Karayak a Sheep</th>
</tr>
</thead>
<tbody>
<tr>
<td>Begining of project (2006)</td>
<td>34,12</td>
<td>31,11</td>
<td>25,30</td>
<td>26,72</td>
</tr>
<tr>
<td>At the end of project (2010)</td>
<td>38,64</td>
<td>33,53</td>
<td>31,20</td>
<td>30,73</td>
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<tr>
<td>Difference</td>
<td>4,5</td>
<td>2,4</td>
<td>5,9</td>
<td>4</td>
</tr>
</tbody>
</table>
PROJECT AREAS AND BREEDS FOR 2013
FACED PROBLEMS

- Lack of awareness of breeders,
- Coordination problems,
- Lack of technical background breeders,
- Animal registration problems,
- Breeders Association infrastructure problems,
- Legal situation,
- Budget problems,
- Project leader and Project Technical staff problems,
- Data management problems,
- Correct and reliable data collection problems etc.
Some projects will be passed to Breeders Association after 2016.

Animal registration system bases will be completed end of 2013.

AI (Artificial Insemination) practices will be started end of 2014.

Some farms will started breeding with pedigree system.

Associations will start to local breeding programme without MFAL support.

MFAL will set up only coordination and control system for project.
MAIN PROBLEMS OF SHEEP&GOAT SECTOR IN TURKEY

- Big part of breeds are indigenous breeds,
- Local breeds have low genetic capacities,
- Small farms don’t use modern technologies,
- Small scale livestock farms are not effective
- Sheep & Goat production is not attractive for young people
- Marketing problems,
- Lack of technical background of sheep & goat breeders,
- Animal registration problems,
- Breeders Association infrastructure problems.
Tracking and control system should be improved,
Livestock policies will be developed for increasing animal production,
Animal registration systems and databases should be enhancement,
Animal health services will be furthered,
Livestock input costs will be decreased,
Marketing systems should be improved,
New financing cost should be developed
Sheep&Goat organization infrastructure will be strengthening,
Effective training systems must be set up for sheep & goat breeders.
THANK YOU FOR YOUR ATTENTION