

## **LIVESTOCK RESEARCH STATION, MAMNOOR, WARANGAL**

Livestock Research Station (formerly Government Livestock Farm, Estt. 1964), Mamnoor, was transferred to Sri Venkateswara Veterinary University in the year 2009. Consequent to the bifurcation of the state of Andhra Pradesh and formation of Telangana, a new University in the name of P.V. Narsimha Rao Telangana Veterinary University was formed and this Research Station has come under its fold.

This station is mandated to cater to the needs of livestock farmers by production and supply of elite germplasm (Dairy/Sheep); to act as a demonstration unit for improved fodder varieties and to take up relevant research and extension activities.

The Research Station is spread over an area of 389.53 acres and has two units - Murrah buffalo unit and Nellore brown sheep unit. The objective of this Research Station is to supply elite Murrah Bulls to farmers and Govt. Organisations and elite Nellore Brown Breeding Rams/Ram lambs for supply to Shepherds for upgrading their flocks. Also, to produce and supply high yielding fodder varieties like APBN-1, Co-4, Super napier etc., to the farmers to improve the nutritional status of livestock and to act as a model demonstration unit to impart training to farmers, self – help groups.

### **Dairy Unit:**

- Maintaining about 50 breedable buffaloes having more than 2000 ltrs of milk yield per lactation.
- Practicing Artificial Insemination using semen from elite bulls procured from NDDDB, BAIF, CIRB etc.
- Murrah Young bulls born are supplied to Semen production centers/needful farmers.

### **Sheep Unit:**

- Selective breeding program involves around 500 breedable ewes weighing not less than 30 Kg and rams which are 20% superior in body weight compared to farmers flocks.
- Practicing designated mating using 10 to 12 sires/year by maintaining 1:50 male Female ratio.

- The top 25% of Ram Lambs will be selected based on body weight at Weaning age of 3 months and sequential selection will be implemented based on 6 months and 9 months body weights.
- The top 5% of Ram lambs born are retained as future elite parent stock and the remaining ram lambs are supplied to the farmers/breeders on cost basis.

#### **Fodder Unit:**

- The farm has a total cultivable land of 58 acres of which 40 acres has irrigation facility and 18 acres is rainfed. In addition, 5 acres of Hortipasture, 50 acres of Heteropogan grass and grazing land of 250 acres is available. Perennial varieties of APBN-1, Co-4, Super Napier and Hedge Lucerne and annuals such as SSG, Maize, Sugar graze and cow pea are being cultivated for use of this station and for supplying to farmers as seed material. Further, to tide over lean season requirements, green fodder produced is ensiled to a tonnage of 100 MT annually, in addition to hay making.

#### **Achievements:**

- This Research Station was bestowed with **National Kamadhenu Award, 2017** (South Zone) in commemoration of World Milk Day Celebrations by the Department of Animal Husbandry, Dairy and Fisheries, Ministry of Agriculture and Farmers Welfare, Government of India.
- The Station has till date supplied about 60 Murrah young bulls and nearly 600 Nellore brown breeding Rams/Ram lambs to the needy farmers besides 15.3 lakhs of fodder slips of APBN/Co-4/Super napier varieties.
- Conducted about 80 training programmes to farmers on dairy farming, sheep farming and also on the production of perennial fodder crops.
- The impact of the training is reflected in bringing the unorganized dairy/sheep farmers to develop perennial fodders with a slogan of “No green fodder:No milk”. This resulted in increased milk production and savings on concentrate feed by reducing feeding of concentrate feed and dry fodder, which is a normal adopted practice.

#### **Faculty:**

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