

Dissemination of Superior Quality Buffalo and Cattle Semen for Enhancing Productivity of Local Breeds

Issues

- Service period in local cattle & buffaloes is quite long (≥ 6 months)
- In 50% cases there is one calf produced in every two years
- Low scale of artificial insemination (AI) coverage in buffaloes and cows (10%) in small size herds of under-developed areas



Importance

- Many animals can be brought into heat at one time and artificial inseminations can be performed at large scale at one time (as in whole village)
- Productivity of dairy animals can be increased by producing genetically superior calves using high quality imported and locally produced semen

Stage of technology developed

Heat Synchronization & Timed Insemination tools have been standardized in local breeds to enhance conception rate using high quality semen

Expansion Plans and Methodology

- Production of trained manpower (10 technicians)
- ii- Production of quality semen and its distribution in a selected remote area in KPK (Dist Dir) (5000 doses/yr)
- iii- Establish a semen production facility at Lasbela University, Balochistan for provision of quality semen in surrounding areas
- iv- Large scale inseminations in these areas through heat synchronization (5000/yr)



Benefits

- A 25 to 50% increase in number of calves produced per year
- Increased productivity of future generation of cows and buffaloes