

A small step for a Long journey

Success story of A.I in Sheep at State sheep breeding farm Shamaleeti Distict Bageshwar.

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Indroduction –

State sheep breeding farm Shamaleeti at Distt. Bageshwar was established in year 1976 having 49.6 hectares land including 12.8 hectares of grassland. Rambouillet breed was introduced in farm. The aim behind this project to encourage the sheep rearer for improve the local breed and to increase the livelihood. Farm is fulfilling the aim from starting to now days.

Generally Sheep rearer gets one lamb in one breeding season which is not much economic for him, but in this technique we can get three lamb in two years.

In India, Artificial Insemination technique in sheep through surgical and non surgical methods introduced by Central Sheep and Wool Research Institute Avikanagar , Rajasthan. Now a day's nonsurgical method of A.I in sheep is applied in field. Uttarakhand is the third state to adopt this technique in sheep breeding farm along with Rajasthan and Jammu & Kashmir State.

Material Method:-

At state sheep breeding farm shamaleeti, healthy and sound, 25 Kashmiri merino, 25 Rambouillet ewes and 4 kashmiri merino ram were selected. Deworming done and kept in close surveillence of daily activities. Concentrate ration with mineral mixture were fed.

On date 16-06-2014 harmonized sponge inserted into 25 kashmiri merino ewes and date 17-06-2014 harmonized sponge inserted into 25 Rambouillet ewes and left for routine activities.



Insertion of Harmonized sponge into ewe

1. C.E.O U.S.W.D Board Uttarakhand, 2. Deputy C.V.O Bageshwar, 3. Veterinary Officer S. S .Breeding Farm Shamaleeti .

After 12 days on dated 28-06-2014 with drawl of sponge from 25 kashmiri merino ewes and sponges were destroyed by burning over flame. Pregnant Mare Serum Gonadotropin (PMSG) hormone @ 200 I/U injecte I/M after drawl of sponge.

After 12 days on dated 29-06-2014 with drawl of sponge from 25 Rambouillet ewes and sponges were destroyed by burning over flame. Pregnant Mare Serum Gonadotropin (PMSG) hormone @ 200 I/U injected I/M after drawl of sponge.



Semen collection

Early morning of 30-06-2014, 2 times semen collected from Kashmiri merino Ram then evaluate under various parameters like colour, consistency, motility under microscope in A.I. Lab established at shamaleeti farm. Semen were diluted in 1:1 ratio by using EGG -YOLK -GLUCOSE- CITRATE DILUTION diluter, and then Inseminate the 25 ewes by 0.1 ml diluted semen.

At evening about 5 PM again semen collected from same ram and same process repeated. Next day dated 01-07-2014, another Kashmiri merino ram selected and collected the semen, the same process repeated in morning and evening for Rambouillet ewes.



Diluted liquid semen deposited in ewe

On the day of 23-11-2015 morning the First lambing was done by Kashmiri merino ewe and the lamb was Male named as "SHAMA". Lambing was occurred at regular interval of days, and total 21 lambs were born, 4 male and 4 female lamb from Kashmiri ewes and 4male and 9 female lambs from Rambouillet ewes.



The "SUN" (GOD OF LIGHT) blessing the "SHAMA" new born Lamb

All lambs were feeded by bottle using 25gm "Lactogen" milk dissolved in 50 ml water in the noon and 10 ml "Grovipler - s multivitamin suspension every day up to three month of age.

All the dam and lamb are healthy.