CONTROL OVER HOW YOU EARN



Controlling reproduction in Sheep & Goats and developing easycare breeds





Ideal mothering ability requires at least 15 minutes of time spent for grooming.



75% LAMBING OCCURS IN 5 DAYS, BEST MOTHER GROOMS AT LEAST 15 MIN, CONTROLLING REPRODUCTION NATURALY IS POSSIBLE

Control of reproduction enables the production of juveniles of the quality and quantity required while genetic selection can provide a continual improvement in production efficiency that can form an essential part in maintaining and improving the ability of a business to compete.

At commercial level, synchronization of oestrus allows control of lambing and kidding, with subsequent synchronization of weaning of young animals for slaughter.

Also, it allows more efficient use of labor and animal facilities.

Hormonal treatments can bee used to induce puberty in ewe-lambs and doelings.



Synchronization Protocols and Responses

- Estrous synchronization is a biotechnology for keeping a group of animals at the same stage of the estrous cycle.
- Synchronization methods are useful for farmers wanting to reduce spread of lambing/kidding to allow maximum supervision.
- Monitoring reproduction in both season and out of season enable producers to utilize efficiently their sources.
- Efficacy of synchronization protocols is varied for breed, season and parity of animal.



ATAUNI DEVELOPED PROTOCOLS TO TEST ON

TWO BREED CATHEGORIES;

MOTOCOUTOUS FAT TAILED EWES/PROLIFIC SHORT TAILED EWES

TWO PARITY; YEARLING/ADULT

TWO SEASONS; BREEDING/ANESTRUS







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WHAT BENEFITS FARMER CAN EXPECT FROM CONTROLLING REPRODUCTION



Choice of the period and timing of parturition

Reduction of unproductive periods

Optimization of the litter size

FARM EXPERIMENT







Natural vs Synthetic

The use of intra vaginal natural or synthetic progesterone compounds along with gonodtropin for mating of ewes in anaestrus season resulted with similar reproductive response in prolific ewes.

BEST MOTHER GROOMS NEWBORN AT LEASRT 15 MINUTE!



Maternal quality was determined with machine learning





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INNOVATION TO ENHANCE FARM SUSTAINABILITY

Production is equal to reproduction in sheep and goat operations. Seasonality of reproduction lowers the rate of reproduction, induces a strong seasonal variation in product availability on the market. Discrepancy between production in farms and consumption by consumers due to seasonality of breeding can be pharmacological overcome with treatments.

Appropriate and timely expression of maternal behaviour in the ewe is a critical component in the survival and successful rearing of lambs, and so can have a direct impact on farm profitability.



Progestagen sponge and eCG treatment resulted in an extra 6 kg meat being produced per ewe..



Natural progesterone is efficient in induction estrous in Anarom ewes during the anoestrus season.



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Oral progesterone MGA with eCG was the cheapest and easiset way of inducing and synchronizing estrus in sheep and goats.

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PRODUCERS UTILIZE ESTRUS SYNCHRONIZATION CAN PLAN LABOR INPUTS, FEED RESOURCES, PROVIDE A MORE UNIIORM LAMB /KID CROP FOR SALE TO THE CONSUMER AND EXTRA MEAT /MILK PRODUCED PER EWE/DOE.

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