

BEING PRODUCTIVE KNOW REPRODUCTIVE



Basic reproductive performance recording in intensive dairy
goat farming

**OCTOBER
>2 YEARS
>35 KG**

Pregnancy rate of Damascus goats raised in hot climate is higher when artificial insemination held in October with does aged 2 years and min 35 kg for doelings.



DAMASCUS GOATS REPRODUCTIVE PARAMETERS WERE IDENTIFIED FOR INCREASING PRODUCTIVITY

Damascus goats in southern Turkey is to start mating in late summer to autumn and kid in early winter and late spring.

However, peak breeding season should be determined along with reproductive cycle units such as duration of estrus and estrus cycle. In addition to that best time to mate for higher pregnancy rates should be determined.

On the other hand, seasonal anestrus should be known to investigate best method for inducing estrus in does if doelings can be bred earlier than breeding season.



Reproductive patterns of herd

Steps for innovation

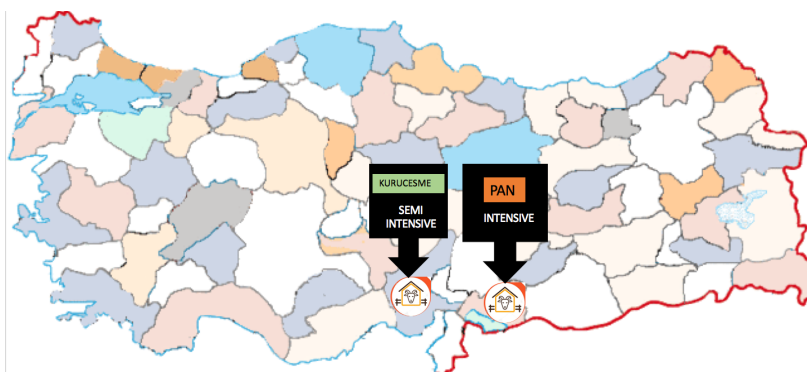
1st) Determine the reproductive cycle in Damascus herd.

2nd) Design a reproduction management program adapted to the specific conditions of herd.

3rd) Evaluate the herd performance before and after the reproduction management



CASE STUDY FARMS



CASE STUDY FARM	LOCATION	CLIMATE	MANAGEMENT SYSTEM
PAN	Gaziantep Western part of Turkey's Southeastern Anatolian Region	Hot-summer Mediterranean climate with influences of a continental climate during winter with hot, dry summers and cool, wet and occasionally snowy winters.	Intensive
KURUCUESME	Adana Northeastern edge of the Mediterranean	Hot-summer Mediterranean climate and a dry-hot summer subtropical climate. Winters are mild and wet. Summers are long, hot, humid and dry.	Semi-Intensive



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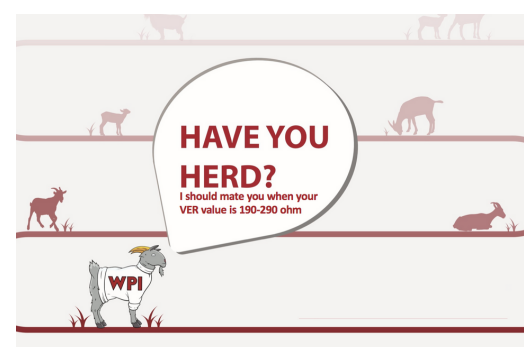
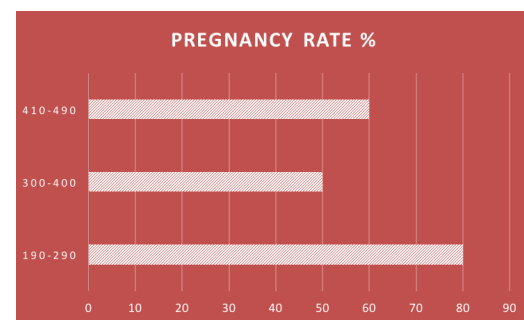
REPRODUCTIVE CALENDAR

- 1 When breeding season starts
- 2 When is the best time for mating
- 3 Indicator of best time mating (Vaginal electrical resistance :VER)
- 4 Age and weight limits for doeling for mating



Reproduction Calendar & Check List

 **Indicator Vaginal Electrical Resistance successful AI**



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INNOVATION TO ENHANCE FARM SUSTAINABILITY

Reproduction should be a vital component of the overall herd management scheme and closely integrated with nutritional and health aspects, as well as form part of a comprehensive recording system.

Appropriate reproductive management is vital to a successful dairy goat enterprise. Much of the profit to be realized will depend the annual milk flow, the size of litters and the survival to weaning of multiple litters.



1

Reproductive characteristics show a very wide range of variation as it is effected by environmental factors.

2

This innovation case study produced reproductive parameters specifically for Damascus goats raised spesific geography, climate and management system.

3

Similar studies are required to understand various aspects of reproductive life of other breeds of goats managed in different systems.

4

Each enterprise should focus on their own reproductive characteristics of animals to know how can be modulated in economic interest.

BREEDING SEASON; 5 MONTHS

BEST MONTH; OCTOBER

BEST TIME TO AI; VER VALUES 190-290

THANKS:



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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 679302.

