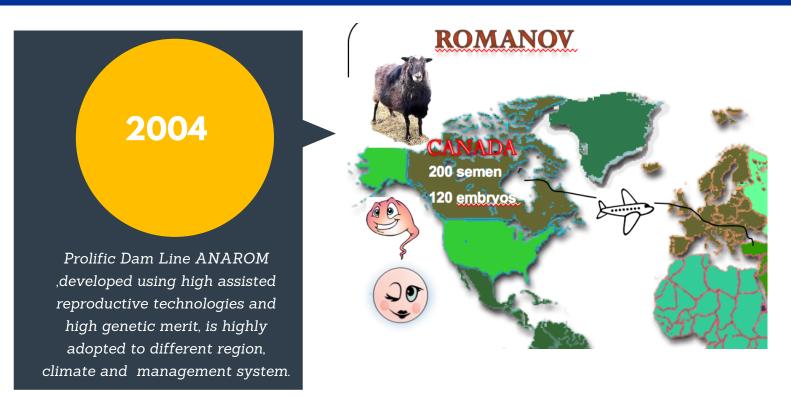
### REMARKABLE PROLIFICACY



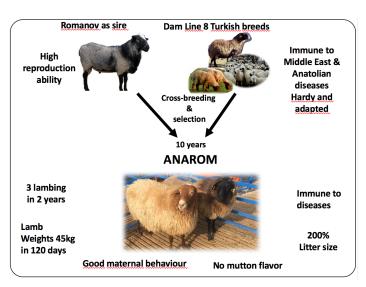
Evaluation of reproductive performance of crossbreeds of Romanov and Turkish Native Breeds



# ANAROM BREEDING AGE 8 MONTHS, LITTER SIZE 200%, LAMBING FREQUENCY 8 MONTHS

The Romanov is known as one of the most prolific breed. Crossbreeding with Romanov sheep has been practiced in several countries of the Mediterranean basin to take advantage of high lamb vigor and rapid growth rates.

In Eastern Turkey, crossbreeding of fat tailed ewes with Romanov started in 2004 to increase prolificacy. A synthetic dam has been created using Romanov frozen semen and embryos. Assisted reproductive technology, especially artificial insemination and embryo transfer were applied for accelerating the time for developing dam line and taking secure steps towards to breeding objective using superior genetic with pedigrees.





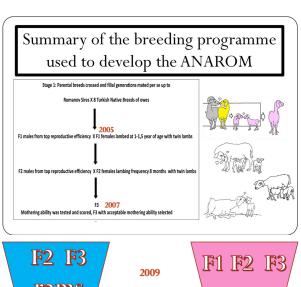


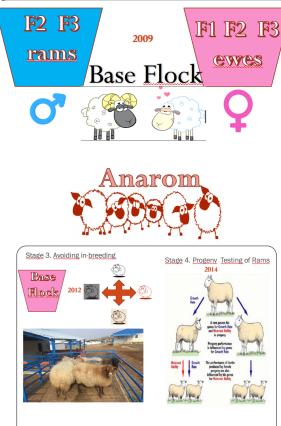


### Evaluation of reproductive performance of crossbreeds of Romanov and Turkish Native Breeds

- i) How is the reproductive performance of Romanov crossbreeds compared to Purebred counterparts in Turkish farming systems?
- ii) What is the optimum crossbreeding level for profitable sheep production?
- iii) Does Romanov crossbreed performance depend on the farming system?
- iv) Will Romanov crossbreeds have adaptation problems?
- v) Will Romanov crossbreed lambs be accepted by Turkish customer?







ATAUNI TESTED ANAROM IN THREE DIFFERENT REGIONS
TWO MANAGEMENT SYSTEM (SEMI INTENSIVE/INTENSIVE)
COMPARED DIFFERENT BLOOD LINE ROMANOV CROSSES
CONDUCTED TASTE DAYS FOR ANAROM TASTERS

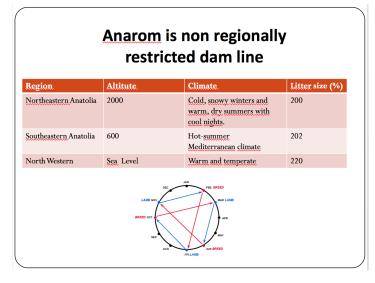




# WHY WOULD YOU INTERESTED IN ANAROM

- I trust her that she will give her first lamb not later than 15 months of age
- She will "twin" lamb every eight months without hormonal treatments
- She doesn't have regional and climatic problems and calm sheep.
- She can be managed in all three systems, best performs in intensive system

#### Anarom is non seasonal breeder Lambing season can be planned according to the market demand Production Traits Age at first lambing (Month) 12-18 FEB BREED Litter size at first lambing Litter size in adult ewes 1.8-2.5 85-90 Survival rate until weaning (%) BREED OCT 60-80 Fattenning age (day) 18-24 Initial weight (kg) Daily gain weight (gr) 380-420 Finnishing weight (kg) 40-45 120-140 Slaughter age (day) 3,2-4,5 Feed conversion ratio



#### Who is the best

### Purebreed Romanov? Romanov F1? Quarter Romanov?

The F1 and QR lambs had heavier birth and weaning weights than Romanov lambs.

Age of puberty in male and female Romanov lambs were the youngest, F1 lambs were intermediate, and 1/4 R lambs were the oldest.

The percentage of ewe lambs that exhibited estrus within one year of age was higher for R (100%) and F1 (67%) lambs than for 1/4 R lambs (43%).

Lamb survival is lowest in F1 Romanov (8%) and highest in pure Romanov (28%).



# Evaluation of reproductive performance of crossbreeds of Romanov and Turkish Native Breeds

## INNOVATION TO ENHANCE FARM SUSTAINABILITY

Reproduction rate, lamb growth and carcass quality have a major influence on producer returns. All of these traits of economic interest can be improved through different nutritional and husbandry practices.

Genetic improvement of the traits contributing to lamb meat production is permanent, cumulative, cost-effective and sustainable. The use of prolific sheep breeds has been widely advocated to increase lamb production, and in intensive rearing systems has been successful, bringing with it financial gain...



#### WIDE SPAN DAM LINE ANAROM

- Anarom is a composite breed redress some of the deficiencies of the Romanov sheep as dam line .Taste of Anarom lambs is of great importance. Taste of kabab!
- Anarom's %50 dam line genetic composition, in terms of their genotypic and phenotypic characteristics, spans to a wide geography of Eastern Europe, Middle East and Caucasians.
- Anarom can adapt easily extensive to intensive system, high altitude to sea level, harsh winter to hot summer.
- Anarom is a perfect dam line for terminal crossbreeding. Terminal lambs born from Anarom had higher weights and better conformation than most of the other meat type lambs in Turkey.

ANAROM IS PROMISING DAM LINE FOR TERMINAL CROSSBREEDING IN INTENSIVE TO SEMI INTENSIVE SYSTEM









WRITING: Ebru Emsen (ATAUNI) and Bahadır Odevci (ATAUNI)

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