REPUBLIC OF TÜRKİYE
MINISTRY OF AGRICULTURE AND FORESTRY
General Directorate Of Agricultural Research And Policies
Bahri Dağdaş International Agricultural Research Institute

TAGEM
R&D AND INNOVATION

PROJECT TITLE	Investigation of Metabolic Profile, Growth Rate and Feed Performance of Central Anatolian Merino and Akkaraman Sheep.
PROJECT NUMBER	**TAGEM/HSGYAD/A/21/A4/P2/5055**
PROJECT LEADER	İbrahim HALICI
RESEARCHERS	Prof.Dr.Tahir BALEVİ
INSTITUTE	Bahri Dağdaş U.T.A.E.M.
START AND END DATE	15.05.2021-31/12/2022
PROJECT RESOURCE AND BUDGET	TAGEM-65.000 TL
PROJECT DEPARTMENT	Department of Animal Health, Food and Feed Research

SUMMARY:

Metabolic Profile Test is one of the methods developed to protect the herd from metabolism diseases. Since metabolism diseases cause significant losses for businesses, biochemical metabolic profile tests are used to reveal subclinical cases where symptoms have not yet occurred, as well as to confirm the diagnosis to determine prognosis and also to increase the effectiveness of treatment and reveal nutritional errors. In this project, the applicability of the Metabolic Profile Test which is a method aimed at ensuring the continuity of productivity and which is applied mostly in dairy cattle enterprises, will be examined. For this purpose, 24 head (total 48 heads) healthy sheep, which were born in the previous year from the Central Anatolian Merino and Akkaraman herds wheara raised in the Bahri Dağdaş International Agricultural Research Institute Sheep unit, will be determined by random sampling method and will be included in the project. A total of 48 head sheep from both groups will be followed and blood samples will be collected and analyzed in 7 different physiological periods. In lambs born from these, blood samples will be followed and analyzed after birth. The lambs will be fed 70 days in total when they are approximately 2.5-3 months old with weaning. Lambs will be weighed in 2-week periods, and criteria will be determined for determining fattening performance such as daily live weight gain, feed utilization rate, feed rating coefficient. At the end of the research, the relationship between factors such as blood parameters, condition scores, animal yields, quality, quantity and balance of the nutrients consumed and the effects of some yield characteristics and peripartal period disease incidence encountered in the herd will be determined.

KEY WORDS: Metabolic Profile, Merino Sheep, Condition score