

Fecal Egg Count Reduction Test (FECRT)

Objective: To determine the effectiveness of a deworming treatment in small ruminants.

Experimental unit: Flock/Herd with sheep/goats needing dewormed for gastrointestinal parasites (namely, *Haemonchus contortus* (barber pole worm)).

Number of head required: 10-15

Facility requirements: Working facilities to safely and efficiently catch sheep/goats to collect fecal samples and FAMACHA score. Laboratory facilities to process the fecal samples for nematode egg counts.

Methods: Conduct a Fecal Egg Count (FEC) on sheep/goats prior to deworming. Once the FEC is determined, a deworming treatment, chosen and administered to the animals by the UAEX County Agent, will be given per label recommendations. Conduct another FEC on the treated sheep/goats 14 days post-deworming treatment.

Results: FECR percent will be calculated to determine the efficacy of the dewormer administered.

$$[(\text{Day 0 FEC} - \text{Day 14 FEC}) / \text{Day 0 FEC}] * 100 = \%$$