

ABSTRACT

This experiment was conducted to determine the anthelmintic effect of ginger and turmeric juice extract against roundworms of goats in terms of percent reduction of egg per gram (EPG) count. The study used twelve (12) goats of both sexes weighing 10-15 kg organized in Completely Randomized Design (CRD) with four (4) treatments replicated (3) times. Treatments were as follows; T0 – Control (without dewormer), T1 Commercial dewormer (Albendazole), T2 –Ginger juice extract 5ml/10kg body weight, T3 - Turmeric juice extract 5ml/10kg body weight. Composite voided fecal sample of goats were collected and evaluated weekly (4 weeks) to determine the percent reduction of egg per gram (EPG) count of roundworms. Data were analyzed using one-way analysis of variance (ANOVA) by Statistical Tool for Agricultural Research (STAR) software.

Result of experiment showed significant effect ($P < 0.01$) in average egg per gram count of roundworms in goats from week 1 to week 4. Reported significant reduction ($P < 0.01$) in round worms of goats dewormed using ginger and turmeric juice extract at 5ml/10kg body weight is comparable with commercial dewormer (albendazole). The findings suggest that farmer could use ginger and turmeric juice extract in deworming their animals especially in areas where the mentioned medicinal plants are abundant.

Keywords: Anthelmintic, Ginger, Turmeric, Juice Extract, Fecalysis, Roundworm