The Comparative Assessment of Various Feeds on Capra hircus

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Purpose: To compare the effects of corn versus hi pro feed on dairy goats. Procedure: (1) Constructed a large pen for the goats. (2) Obtained wild hay and hi pro feed and ground corn. (3) Next purchased 4 milking goats (Oberhasli and Toggenburg) (4) Next, I would milk the animals and collect the samples. (5) Transfer the samples of milk to the school lab for testing. Bacteria Colonization: This study was conducted to determine the amount of bacteria present in the four Swiss Goat milks utilizing two types of agar (nutrient and EMB). Parasite Analysis: Used the McMasters chamber slide to determine parasite count in fecal samples. Professional Analysis: This study was conducted to the quality of the milk. Quantity of Milk Production: This study was done to determine the amount of milk produced. Conclusion: In Bacteria Colonization, Hi Pro Goat 1 had the least amount of bacteria colonies on both nutrient and EMB agars. Hi Pro Goat 2 had the most amount of bacteria on both agar types. In Parasite Analysis, the goat with the least amount of parasites was Hi Pro Goat 2, while the goat with the most was Corn Goat 1. In Professional Milk Analysis, Corn Goat 2 had the highest average of fat, protein, and other solids. Hi Pro Goat 1 had the lowest. Quantity of Milk production, Hi Pro Goat 1 produced the most and Hi Pro Goat 2 produced the least. Overall the best goat was Hi Pro Goat 1.

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