



شبكة المعلومات الجامعية

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شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

في درجة حرارة من ١٥-٢٥ مئوية ورطوبة نسبية من ٢٠-٤٠%

To be Kept away from Dust in Dry Cool place of
15-25- c and relative humidity 20-40%

بعض الوثائق الأصلية تالفة

بالرسالة صفحات لم ترد بالاصل

NUTRITIONAL PERFORMANCE OF GOATS FED DIFFERENT TYPES OF DIET UNDER SALINITY AND WATER DEPRIVATION

BY

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A THESIS

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NUTRITIONAL PERFORMANCE OF GAOTS FED DIFFERENT TYPES OF DIET UNDER SALINITY AND WATER DEPRIVATION

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ABSTRACT

This study was carried out at Maryout Research Station, Desert Research Center on twelve bucks. The objectives were to study the effects of type of diet, water salinity and deprivation and seasonality on water intake and excretion, feed intake and digestion, nitrogen utilization, sodium (Na) and potassium (K) retention and live weight changes. Animals were randomly divided into two groups on the basis of body weight and age. Animal groups were assigned to either fresh tap water or saline water (1.0% NaCl). The fresh water group was further randomly divided into two subgroups three animals each and assigned to water deprivation treatment (daily watering VS 4th day watering periods) and so was the second group. Each subgroup was, then, assigned to three energy levels (low, medium and high) in a latin square design.

Increasing energy concentration in the ration decreased free water intake in winter than in summer, total water excretion, urinary and total nitrogen excretion, apparent (Na) retention, but increased DM, TDN and DCP intakes in summer than in winter, nitrogen digestion in winter. Goats retained (Na) in summer twice that in winter.

Palatability of salty water is more acceptable by goats in winter than in summer. Drinking saline water increased free and total water intakes, urinary and total water excretion, urinary nitrogen, (Na) intake and (Na) retention, but decreased feed intake and digestion, nitrogen retained, (K) intake and (K) retention.

Water deprivation decreased water intake in winter than in summer, faecal and urinary water, total water excretion, DM intake and digestion, DCP and TDN, live weight, nitrogen intake and faecal and urinary nitrogen, (Na) and (K) retention in winter, but increased (Na) and (K) retention in summer.

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