

**EFFECT OF USING RATIONS DIFFERENT IN NITROGEN  
SOURCES  
ON GROWTH AND BLOOD PARAMETERS FOR GROWING  
LOCAL SHARABI CALF UNDER ENVIRONMENT CONDITION OF  
NINEVEH PROVINCE.**

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**ABSTRACT**

This study was conducted on Rashidia station farm, Department of Agri. Res.

in Mosul, on twelve sharabi local calves in  $10 \pm 2$  weeks of age and average body weight ( $47.67 \pm 3.13$  kg.) were used, calves were divided into three groups and fed *ad libitum* on three Iso-nitrogenous and Iso-caloric rations but different in nitrogen sources (Soybean meal, Nigellia sativa meal and Urea) in calf starter rations, in addition to feeding milk until weaning weight at 100 kg. Blood samples were collected from jugular vein from all calves that reach weaning weight. The results was indicated that no significant effect of nitrogen sources on calves weight, daily weight gain, feed consumption, bloods count of red and white cell, hemoglobin, packed cell volume, platelets counts, total protein, globulin, albumin, glycerol, triglyceride, urea and glucose) parameters. It was concluded that nigellia sativa meal and urea can used and replaced soybean meal in starter rations for sharabi local calves.

Key words: Sharabi calves, Nitrogen sources, Growth and blood parameters.