

Abstract

Aim of this research was investigation of nutrition value of *Cressa Cretica* in different stages of phonological. the samples were dried in shadow then milled and chemical composition were measured in laboratory. Degradability of dry matter (*in situ*), digestibility of organic matter (OMD) and metabolizable energy (ME) were measured by using gas production (*in vitro*) and digestibility of dry matter (DM), crude protein (CP), ether extract (EE), natural detergent fiber (NDF) and acid detergent fiber (ADF) were measured by using (*in vivo*) method. As results showed that between in growth stages were observed significant difference exception DM, EE and calcium ($P<0.05$). Quantity of OMD in three phonological stages of growth, flowering and seeding were 56.34, 58.04 and 58.44 percent receptively. Quantity of ME was 8.4, 8.71 and 8.69 MG/kg receptively. Degradability and effective degradability in different phonological stages was observed significant difference ($P<0.05$). Digestibility mean of DM, CP, EE, ADF, NDF in three phonological stages of growth, Flowering and seeding were 53.73, 50.71, 49.16 (DM), 83.91, 52.95, 51.9 (CP), 61.71, 72.7, 69.71(EE), 26.67, 20.18, 38.17(ADF) and 35.78, 30.85, 46.85 (NDF) percent, receptively. The results showed that *Cressa Cretica* has more performance when fed to animal at seeding stages.

Keywords: *Cressa Cretica*, degradation, chemical combinations, phonological, gas production.



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Investigation of *Cressa Cretica* forege nutritive value in different phenologic stages in Sistan

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