

Abstract

In order to investigate the effect of green manure on quantitative and qualitative characteristics of forage maize under caudal and chemical types , a split plot experiment based on randomized complete block design with three replications in Zabol university agricultural training farm located 92-91 Sistan dam was carried out. Main plots of green manure (Joe) and non-use of green manure and subplots , the use of manure (30 t ha) , fertilizer nitrogen and phosphorus chemicals as much as 150 kg per hectare , fertilizer and animal form (50 to 50) and lack of fertilizer . Characteristics, plant height, green and dry yield , stem diameter and leaf to stem ratio showed an increasing trend with increasing levels of nitrogen , and the lowest was seen in these traits . Mixture of manure and chemical greatest impact on the fresh weight of stems and leaves . Effect of green manure on plant height , leaf number, shoot fresh weight ratio, stem , leaf green and dry performance was not significant , but the difference of these traits influenced by green manure , green manure was used more often than not . Effect of green manure on stem diameter , leaf fresh weight , percent crude protein , ash , percent acid detergent fiber and neutral forage maize in a single cross 704 was significantly different , the percentage of crude protein , ash , percentage of insoluble fiber washers no use of green manure and compost , respectively , and the highest NDF and ADF not using green manure and fertilizer treatments were obtained. The results showed that the use of green manure along with 150 kg of nitrogen and phosphorus per hectare for corn , can be the most suitable compound for use in Zabol .

Key words : acid detergent fiber , crude protein , forage yield, leaf to stem ratio



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