

Mesquite (*Prosopis juliflora*) Pods as a Local Alternative to Feed Poultry

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Abstract : This research was aimed to investigate the possibility of using *Prosopis juliflora* pods as a fodder source for poultry. The study have shown that the inclusion of ground *Prosopis* pods in a broiler diet added some positive effects on broiler performance such as improving carcasses weight and reducing the weights of the inedible parts. The obtained results encourage repeating the experiment with an increased percentage of *Prosopis* supplementation in the broiler diets, using some treatments on the *Prosopis* pods to reduce the undesirable effects of the antinutritional factors in the pods and to increase the percentage of the essential amino acids present in the pods (lysine, methionine, arginine, histidine, isoleucine, leucine and phenylealanine) up to the limits recommended for broilers by NRC 1990.

Keywords : amino acids, arginine, broilers, lysine, methionine

Conference Title : ICOAFS 2015 : International Conference on Organic Agriculture and Food Security

Conference Location : Venice, Italy

Conference Dates : August 13-14, 2015