






The effect of feed transportation distance and feeding management (cylindrical feeder vs. automatic feeder) on the durability and length of broiler pellets.

¹Assad yousif Khudher  ²Hussan Abdel Kareem Safi , ³Abas
Abdel-Hussan mashal 

Department of agricultural machinery and equipment ,Collage of Agricultural ,Basrah university

E-mail: assad.khudher@uobasrah.edu.iq

asadvousif00@gmail.com

Hussain.safi@uobasrah.edu.iq

Abstract

Pellets have advantages over mash, but the amount lost due to disintegration into small, fine particles exceeds 10% of the amount provided in the feed meal, which is undesirable from an economic standpoint. Therefore, the aim of the study. Finding the effect of the distances of transporting feed pellets from factories to fields (443 km, 463 km, and 595 km) and The effect of eating the feed offered to chickens (cylindrical feeders and automatic feeding lines) on the durability and length of the pellets and evaluate the performance of the locally manufactured durability testing device. The results show that is an effect of the transportation distance on the durability of the pellets, which does not exceed 2.5% if the distance exceeds 150 km and 50% of the full length can be retained. The line of feeding is superior to traditional methods. The method of providing feed using the cylindrical feeder recorded a high percentage of dust and broken particles, less than 3 mm.

Key words: *Pellets , durability , chicken's feeder, fine particles .*

1 - Introduction