

# Abstract

The present experiment was designed to detect the response of laying hens receiving diet supplemented with feed acidifier .

One hundred and ninety two laying hen of (39 ) weeks of age were distributed randomly into two groups each group with ( sixteen ) replicates contained ninety six laying hens ( six hens / replicate ) . They were reared for ten weeks from 5<sup>Th</sup> December 2005 - to - 12<sup>Th</sup> February 2006 at Kuku Poultry Research Farm - Animal production Research Center . In this experiment , Group ( A ) were fed on control diet while group ( B ) ( treatment ) were fed on diet supplemented with Organic acids ( Premacid ) at rate of 0.3 % Ton feed . All diets were similar in crude protein , energy with the same level of essential amino acids according to the recommendation of ( N.R.C 1984 )

Results obtained in the present study indicated that group fed on diet ( treatment diet ) showed no significant difference (  $P > 0.05$  ) for the data of

feed intake , egg production , egg mass , egg weight , egg shell thickness , shell weight , yolk index , yolk weight , haugh unit and albumen PH .

The present study concluded that supplemental of organic acids to the diets of laying pullets did not improve egg production and egg quality characteristics .