

## **EFFECT OF ADDING TWO LEVELS OF IRAQI SOLUBLE PROBIOTIC ON PERFORMANCE AND EGG QUALITY OF JAPANESE QUAIL .**

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### **ABSTRACT**

The aim of this study was to compare the effects of adding two levels of Iraqi Soluble Probiotic (ISP) to the drinking water on performance of female Japanese quail taken from State Board of Agriculture Poultry research station at Abu- Grab, sixty five female were used in this experiment with 40 days age. The birds were randomly distributed into treatments (3 replicated and 6 female each replicate) .

The treatments :

- 1- T1 Tap drinking water as follows: without addition (control)
- 2- T2 Tap drinking water+0.5gm of ISP each one liter water
- 3- T3 Tap drinking water+1gm of ISP each one liter water

The result revealed that There were significant effects for the addition ISP to the drinking water on H.D % , eggs number, egg mass and feed conversion rate for T2 on T1&T3 in most experiment periods , however no significant effect for the these treatments on egg weight and egg quality.

It can be recommend using bio-enhanced dissolved in water at a concentration of 0.5 g / liter of water for his contribution in improving the qualities of productivity and the quality of the egg recipes for female Japanese quail.

**Key words:** Iraqi Soluble Probiotic japans quail performance .