

EFFECT OF USING HEAT TREATMENT SOYBEAN IN RATION ON PRODUCTION PERFORMANCE OF BROILERS .

Rozhgar Bayez Saeed*

Sardar Yaseen Taha

*Lecturer – Faculty of Agriculture Science – Univ. of Sulaymaniya . Republic of Iraq.

**Prof. – College of Agriculture – Univ. of Salahadden – Republic of Iraq .

ABSTRACT

The study was conducted in the field of the Directorate of poultry agricultural fields / Faculty the Agricultural Sciences / University of Sulaymaniya in the Pkrajo, to study the effect of adding full fat soy beans instead of soybean meal and the effect of heat treatment of grain. Used in the experiment (225) chick from two hundred and twenty five day –old ross -308 chicks were used. First treatment: birds fed a diet containing the level of 20% raw FFSB for all three stages of starter, grower and finisher. 2nd Treatment: birds fed a diet containing the level of 40% raw FFSB for the starter and grower, with 30% in the finisher stages. 3rd Treatment: birds fed a diet containing the level of 20% soaked FFSB for all three stages of starter , grower and finisher. 4th Treatment: birds fed a diet containing the level of 20% heated FFSB for all three stages of starter, grower and finisher. while 5th Treatment: birds fed a diet containing the level of 40% roasted FFSB for the starter and grower, with 30% in the finisher stages.

It is concluded that the highest body weight and weight gain was in T4 both 38 and 45 days of age. The highest feed intake was for control grope. Best feed conversion ratio of all marketing ages was also for T3and T4 groups.

Highest production index was for T4 in all ages. While dressing percentage and breast and thigh percentage were variable in all groups.

Key words : soybean, broiler, production performance.