

Use of single cell protein in broiler feeding

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SUMMARY

This study was conducted on the poultry farm of the College of Agriculture in Baghdad University, from 25 April, 1985 to 19 June, 1985 to compare between the molasses grown yeast (Iraqi production) and the ethanol grown yeast (Czechoslovakian production) in broiler performance and to investigate the pathological effects of these sources of protein on broiler by laboratory tests.

Molasses grown yeast were used at levels of (6, 10, 14, 18, 22%) in treatments instead of soybean meal and numbered (2, 3, 4, 5, 6) respectively, whereas ethanol grown yeast were used at levels of (6, 10, 14, 18, 22%) in treatments instead of soybean meal and numbered (7, 8, 9, 10, 11) respectively and control treatment give No. 1. These treatments feeds to (440) one day old Ross 1 chicks. Each treatment was composed of two replicates of 20 chicks each.

Components and chemical composition of diets in starter and finisher phases were calculated and analyzed according to N.R.C. (1984), A.O.A.C. (1970) respectively. The results indicated that there were significant differences ($P < 0.05$)