

## **Abstract**

The study was designed to investigate the effect of different levels of canola meal replacing soybean meal on the performance and digestibility parameters of Japanese quail chicks. A total of 320 quail chicks in completely randomized design with 4 treatment include levels (0, 5, 15 and 20%) of canola meal were randomly assigned to 4 replicates (of 20 birds each). Results showed that effect of canola meal in different levels of quail diets on average weight gain, feed intake and feed conversion was non significant ( $P > 0/05$ ). maximum average weight gain was obtained in treatment with 15 percent of canola meal and minimum average weight gain was obtained in treatment with 5 percent of canola meal. Also maximum average feed intake was shown in treatment with 20 percent of canola meal but minimum was obtained in control group and treatment with 5 percent of canola meal. maximum average feed conversion was got in treatment with 20 percent canola meal and minimum feed conversion was shown in treatment with 15 percent canola meal. Relative weight of gizzard and length of intestine significantly influenced ( $P < 0/01$ ) with increasing of canola meal levels. Although relative weight of carcass, breast and thigh were non influenced by experimental treatments.

**Key words:** Canola meal, Performance, Economic traits, Japanese quai



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**Effect of different levels of canola meal  
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characteristics of Japanese quail**

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