

Performance, composition, and quality of broiler chickens fed dried whole eggs.
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Abstract:

Dried whole egg powder, prepared from inedible eggs, was added to the diet for broiler chickens throughout their growing period of 7 weeks. Five diets were used: control, no eggs; 10% dried eggs; 10% dried eggs, biotin-enriched; 20% dried eggs; 20% dried eggs, biotin-enriched. Chickens on the control diet were the largest at slaughter, followed by those on the 10 and 20% egg diets. Although the chickens fed on the 20% egg diet without added biotin were significantly smaller than those on the other 4 diets, their processing and cooking yields were not different. Meat from broilers fed on the egg diets generally received flavour scores equal to, or slightly higher than those for the control. The control meat was usually rated slightly more tender than the meat from chickens on the egg diets. The control meat also contained more fat and less moisture than meat from chickens given egg diets. The results indicate that 10% dried whole egg can be added to broiler diets without adverse effects.