



Black Soldier Fly Larvae Meal as an Innovative Protein Source in Poultry Feed

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Abstract

Animal production systems heavily rely on productive animal feeds to ensure good productivity. However, selecting the best animal diets remains a challenge for many. There's a need for extensive literature to determine the best animal feed choices from a wide variety available. This review focuses on determining the nutritional value of black soldier fly larvae (BSFL) meals for poultry over other diets. Soybean meal in chicken diets is replaced with BSFL-derived diets, and the potential outcomes are observed. The study finds satisfactory results in broiler and layer chickens regarding product performance, meat quality, and carcass traits when soybean meal is substituted with black soldier fly larvae (BSFL). This confirms the potential usefulness of BSFL as a new animal feed that boosts overall animal productivity. However, more research with ample literature on this subject is required to provide a sufficient understanding of the potential significance of including BSFL meal in a poultry diet over other feed ingredients. Therefore, this review provides information about the nutritional values of BSFL meals as poultry diets.

Keywords: Black soldier fly larvae; Poultry nutrition; Soybean meal replacement; Alternative feed ingredients; Broiler chickens; Layer chickens; Nutritional value

