MEAL IN BROILERS

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1. Introduction

Broilers are the most popular type of poultry in the world. They are characterized by their high growth rate and efficient feed conversion ratio. The primary protein source for broilers is soybean meal, which is high in lysine content. However, the requirement for lysine in broilers is higher than that of other amino acids. Therefore, it is necessary to optimize the feeding strategy to ensure adequate lysine supply.

2. Methods

The experiment was conducted in a completely randomized design with three treatments: Treatment 1 (control), Treatment 2 (soybean meal + lysine supplement), and Treatment 3 (soybean meal + high lysine concentrate). Each treatment was replicated three times. The dietary lysine content was varied to determine the optimal level for maximum growth performance.

3. Results

The results showed that the inclusion of high lysine concentrate significantly improved the growth performance of broilers compared to the control group. The optimum dietary lysine content was found to be 1.2% in Treatment 2. The best growth performance was observed in birds fed with the concentrate, particularly in terms of weight gain and feed conversion efficiency.

4. Conclusion

The results of this study indicate that the inclusion of high lysine concentrate in the diet of broilers can effectively improve their growth performance. Future research should focus on optimizing the lysine content and feeding strategies to achieve maximum efficiency in broiler production.