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# شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

# جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

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EFFECTS OF AZOLLA MEAL IN THE DIET  
OF MUSCOVY DUCKS ON GROWTH  
PERFORMANCE , DIGESTIBILITY  
AND CARCASS TRAITS

23/17  
CP

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# APPROVAL SHEET

EFFECTS OF AZOLLA MEAL IN THE DIET OF  
MUSCOVY DUCKS ON GROWTH PERFORMANCE,  
DIGESTIBILITY AND CARCASS TRAITS

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# ABSTRACT

This study was carried out in Duck Farm, Department of Agronomy Experiment Station, Faculty of Agriculture, Fayoum, Cairo University. Two experiments were conducted during the period from December, 1994 up to August, 1995. A total number of 80 one – day old Muscovy ducklings was used to study the effect of using different levels of dried azolla meal (DAM) on performance of growing Muscovy ducks.

The following results were obtained:

- 1- Azolla contains considerable amounts of CP, amino acids and energy. Also it contains a high concentration of Mg, K and Fe.
- 2- Digestibility % of DM and CF decreased by increasing dietary DAM level.
3. Digestibility % of OM, CP and EE were not affected by increasing dietary DAM.
4. During starter period, LBW increased by increasing DAM up to 15%, while LBWG decreased by increasing DAM level.
5. Group fed 15% DAM showed the best FC, PER, CER and PI values; males utilized the feed more efficiently than females.
6. During grower / finisher period (4-12 wks), LBW, LBWG, FI, CPI, FC, PER, CER and PI decreased by increasing DAM level while, mortality rate increased with 30% DAM in diet.

Dried azolla meal could be incorporated in Muscovy duckling diets up to 15% during starter period (up to 4 wks. of age), then it could be increased up to 25% (for males) and up to 20% (for females) during grower / finisher period (from 4 up to 10 weeks).



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