



RESEARCH PAPER

Dietary effects on growth and reproductive performance on crossbred pigs

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Abstract : The present study was carried out on 30 Hampshire crossbred pigs maintained by 10 farmers of Ziontlang village of chandel district viz., two female and one male each (2:1) to each of farmers received. Out of which 50% (5 family) farmers reared and maintained their piglets on 30 % rice bran, 20 % kitchen waste and 50% rice fermented waste (D1) whereas rest of 50% farmers (5 family) maintained their piglets on D2 diets comprising of 30% crush maize, 30% rice bran and 40% rice fermented waste. The average initial body weight of piglets maintained on D1 and D2 diets were 11.86 ± 0.25 kg and 11.78 ± 0.41 kg respectively which was increased to 52.82 ± 1.68 and 53.46 ± 0.93 kg within four months of age. However the males were heavier than females at all the ages under study, the value of 6 months of age were 54.30 ± 1.55 and 53.14 ± 1.30 kg for males and females, respectively. Influence of diets was found to be non-significant on various reproductive traits. The age at sexual maturity, age at first farrowing, litter size at birth and at weanibg were found to be 8.45 ± 0.32 and 8.38 ± 0.35 months, 12.95 ± 0.32 and 12.65 ± 0.30 months, 7.68 ± 0.31 and 7.75 ± 6.53 and 7.27 ± 0.13 and 7.42 ± 0.27 in D1 and D2 diets, respectively. The results indicated that the rice fermented waste may be incorporated in pigs grower ration upto 50% level without any adverse effect on their growth and reproductive performance to minimize the cost of pig feed.

Key Words : Growth, Reproduction, Pigs, Diets, Rice fermented waste

View Point Article : Devi, Asem Ameeta, Levish, Khumlo and Linda, Ningthoujam (2024). Dietary effects on growth and reproductive performance on crossbred pigs. *Internat. J. agric. Sci.*, 20 (RAAEALSES) : 31-33, DOI:10.15740/HAS/IJAS/20, RAAEALSES-2024/31-33. Copyright@2024: Hind Agri-Horticultural Society.

Article History : Received : 15.10.2024; Accepted : 25.10.2024