

动物科学

天然植物饲料添加剂对杂交组合猪生长性能和胴体品质的影响研究*

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摘要 选用20 kg杜滇玉、杜滇昆、杜滇陆、约长撒和杜长大杂交猪各20头, 饲喂含0.4%的天然植物饲料添加剂的日粮, 进行120 d的饲养试验。饲养结束后进行屠宰和胴体品质分析试验, 研究天然植物饲料添加剂对云南本地主要杂交猪生长性能和胴体品质的影响。结果显示, 与杜长大相比较, 其他4个杂交组合的日增重显著降低, 料重比显著增加, 杜长大表现出明显的杂种优势; 与杜滇玉和杜滇昆相比, 杜滇陆日增重和料重比分别有提高和降低的趋势, 料重比有所降低, 但3个品系间无明显差异; 杜长大眼肌面积显著高于其它4个杂交组合, 背膘厚度显著降低, 其它4个杂交组合眼肌面积和背膘厚无明显差异。

关键词 [天然植物](#); [饲料添加剂](#); [杂交猪](#); [生长性能](#); [胴体品质](#)

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The Study on the Effect of Natural Plant Feed Additive on the Growth Performance and Carcass Quality of Hybrid Porcine

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Abstract

Total hundred of piglets of each twenty from the five hybrid pigs of Duroc × N₃ (YN₃), Duroc × N₂ (YN₂), Duroc × N₁ (YN₁), Yorkshire × Landrace×Saba (YLS) and Duroc×Landrace× White large (DLW) weighting 20 kg were fed *ad libitum* the same feed with a supplement of a dried extract of a mixture of 'medicinal herbs' (NPE) at the rate of 4 g supplement per kilogram of feed in feeding trial for 120 d to investigate the effect of genotypes on the growth performance and body composition. Average daily gain (ADG) and feed conversion efficiency (FCE) in DLW hybrid pigs were the highest among the hybrid pigs and it has been shown that crossbreed selection significantly increased growth performance and feed conversion efficiency in DLW hybrid pigs. The ADG and FCE were trend to high in DN₁ even though there were no significant differences among the DN₁, DN₃ and DN₂. The eye muscle area in DLW was the highest and the backfat thickness was the lowest among the hybrids and no significant differences were observed among the other hybrids.

Key words [natural plant](#) [feed additive](#) [hybrid porcine](#) [growth performance](#) [carcass quality](#)

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