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乌蒙山区春闲田粮草轮作燕麦的生产性能

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摘要: 为解决我国乌蒙山区春闲田闲置、单位土地面积效益产出比率低的问题, 开展 12 个燕麦 (*Avena sativa*) 品种生产性能与营养品质综合评价试验, 采用灰色关联度方法, 筛选评价适宜于乌蒙山区推广种植的优质燕麦品种。结果表明: 12 个燕麦品种中, 爱沃、燕王和领袖的干草产量最好, 分别为 14.42、14.13 和 12.13 t·hm⁻²; 营养品质方面, 牧王、贝勒 2 的粗蛋白含量最高、中性洗涤纤维含量最高、酸性洗涤纤维含量也处于较低的水平; 通过不同燕麦品种单位面积蛋白产量的计算, 燕王、牧王、爱沃和美达表现最好, 粗蛋白产量分别达到 1.22、1.16、0.96 和 0.92 t·hm⁻²。应用灰色关联度综合评价结果显示, 燕王和牧王加权关联度最大, 综合生产性能表现最佳, 可以作为乌蒙山区春闲田的主推品种进行种植。

关键词: 乌蒙山区; 燕麦; 生产性能; 品质; 灰色关联度分析

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Productive performance of oat rotation in spring fallow in Wumeng Mountain Area

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Abstract: To solve the problem of idle spring fields and low yield per unit land area in Wumeng Mountain area, China, a comprehensive evaluation test of the production performance and nutritional quality of 12 oat varieties was carried out. The results showed that, among the 12 oat varieties, Aiwo, Yanwang, and Lingxiu had the best performance in terms of hay yield at 14.42, 14.13, and 12.13 t·ha⁻¹, respectively. In terms of nutritional quality, Muwang and Beile No.2 showed the highest crude protein content, the highest neutral detergent fibers content, and low acid detergent fibers level. Through calculation of the protein yield per unit area of the different oat varieties, it was concluded that Yanwang, Muwang, Aiwo, and Meida

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