

综述

褐色中脉bmr高粱研究与利用进展

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摘要:

在世界许多国家和地区,高粱作为一种饲草作物受到广泛的重视。由于高粱具有抗旱性强、水分利用效率高的特点,在干旱地区可成为优势饲草作物。bmr高粱与普通高粱相比木质素含量降低5%~50%,可显著提高饲草的适口性,增加消化率,因此引起了国内外高粱育种家的广泛关注。有关bmr基因与饲草产量、品质、饲喂效果等研究已取得长足进展,bmr基因已成功导入普通高粱和苏丹草品种,并育成高产、优质BMR饲草杂交种商品化生产,表现出广阔的利用前景。

关键词: 高粱; bmr; 育种; 品质; 饲喂效果

Progress on Research and Utilization of bmr Sorghum

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Abstract:

Sorghum, as one of forage crops, has won great attention in many countries and regions all over the world. Due to its characteristics of strong drought resistance and high water use efficiency, sorghum has become the most predominant forage crops in arid areas. The lignin content of bmr sorghum is 5%~50% lower than that of normal sorghum. Low lignin content can improve palatability and increase digestibility of forage. Therefore, it has aroused extensive attention by sorghum breeders all over the world. Great progress has been made in improving forage production, its quality, feeding efficiency and about the gene of bmr sorghum. The bmr gene has been successfully transferred into normal sorghum and sudangrass. BMR hybrid forage variety with high yield, superior quality has been released and produced commercially. It has a bright prospect for utilization.

Keywords: sorghum bmr breeding quality feeding effect

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