

刈割对缘毛雀麦3个品系再生的影响

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摘要:

在缘毛雀麦 *Bromus ciliatus* 3个品系生长进入拔节期后, 通过不同留茬高度 (0~2、2~4、4~6 cm) 的刈割处理, 对其再生特性进行了测定分析。结果表明: 各品系留茬高度与牧草再生速度呈显著正相关 ($r=0.7241, P<0.05$), 其中9708品系留茬4~6 cm刈割后再生速度较快, 9714品系留茬0~2 cm刈割后再生速度较慢; 在同样刈割处理条件下, 9708品系和9714品系再生分蘖数无差异 ($P>0.05$), 9701品系在第2次刈割留茬4~6 cm时, 再生分蘖数显著 ($P<0.05$) 高于其他2个品系; 随留茬高度的增加, 9701品系和9708品系的总干草产量递增, 而9714品系的总干草产量却呈递减趋势。9701品系和9708品系的适宜留茬高度为4~6 cm, 9714品系适宜留茬高度是0~2 cm。

关键词: 缘毛雀麦; 再生速度; 留茬高度; 分蘖数

Effect of cutting on regeneration of three strains of *Bromus ciliatus*

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Abstract:

In this experiment, regeneration performance of three strains of *Bromus ciliatus* was analyzed with different stubble height (0-2, 2-4, 4-6 cm) during the jointing stage. The results showed that the stubble height and regenerating speed of forage had significant positive correlation ($r=0.7241, P<0.05$), among which 4-6 cm (stubble height) of 9708 strain had faster regeneration speed and 0-2 cm (stubble height) of 9714 strain had lower regeneration speed. In same cutting treatments, the regeneration tillers of 9708 and 9714 strains had no difference ($P>0.05$), and tillers of 9701 strain were higher significantly than other two strains when the second stubble height was 4-6 cm. With stubble height increasing, total dry grass yield of 9701 and 9708 strains had a progressive increase, and the 9714 strain had a progressive decrease. The suitable stubble height of 9701 and 9708 strains was 4-6 cm and the height of 9714 was 0-2 cm.

Keywords: *Bromus ciliatus* regeneration speed stubble height tiller number

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