

农学—研究报告

施氮量及施氮方式对‘临草2号’干物质积累及鲜干草产量的影响

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摘要:

研究大田条件下施氮量和施氮方式对‘临草2号’干物质积累及鲜干草产量的影响。结果表明,施氮使‘临草2号’干物质积累量和鲜干草产量明显增加,且随施氮量增加干物质积累量和鲜干草产量呈增加趋势,施氮量在300 kg/hm²时,鲜干草产量最高,氮肥利用效率最高,再增施氮肥干物质积累量和鲜干草产量变化不明显;施氮量相同时,氮肥采用70%基施+30%追施比一次基施更有利于‘临草2号’干物质积累,提高鲜干草产量。因此,在施纯氮300 kg/hm²基础上,氮肥采取70%基施+30%追施,可实现‘临草2号’高产高效栽培。

关键词: 鲜干草产量

Effect of N Application on Dry Matter Accumulation, Fresh and Dry Yields of ‘Lincao 2’

Abstract:

Effect of N application on dry matter accumulation, fresh and dry yields of ‘Lincao 2’ were studied under field experiment. The results showed that, dry matter accumulation, fresh and dry yields of ‘Lincao 2’ were increased with N application rate. ‘Lincao 2’ had the highest fresh and dry yields, and N fertilizer had the most use efficiency when N application rate was 300 kg/hm². Dry matter accumulation, fresh and dry yields changed little at more N application rate. 70% N as basal and 30% N drop dressing at jointing stage was favorable for dry matter accumulation, fresh and dry yields increasing of ‘Lincao 2’ than all N as basal, when at the same application N rate. High yields and high efficiency cultivation of ‘Lincao 2’ could be realized under N application at 300 kg/hm² (70% basal and 30% top dressing at jointing stage).

Keywords: fresh and dry yields

收稿日期 2010-12-14 修回日期 2011-01-21 网络版发布日期 2011-04-25

DOI:

基金项目:

山西省科技攻关项目;山西省农科院攻关项目

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参考文献:

- [1] 宋慧欣,周春江,侯福强等.饲草小黑麦优质高产栽培技术研究[J].作物杂志,2004(3):22-25.
- [2] 杨峰,鲁晋秀,张定一等.临草(麦)一号生物学特性及利用[J].中国农学通报,2004.20(6):125-127.
- [3] 梁先红,杨峰,薛红生等.临草(麦)二号优质高产配套技术研究[J].陕西农业科学,2008(5):42-46.
- [4] 中国农业年鉴编辑委员会.中国农业年鉴[M].北京:中国农业出版社,2001
- [5] 朱兆良,文启孝.中国土壤氮素[M],南京:江苏科技出版社.1992:171-196,213-249.
- [6] 唐凤兰.优质饲草小黑麦及配套栽培技术[J].黑龙江农业科学2004(2):39-40.
- [7] 佟桂芝,张庆祥.饲用小黑麦饲喂效果简介[J].饲料世界,2000,67(1):22-23.
- [8] 朱玉国,董召荣,陈程等.追氮量对小黑麦再生草生长和草产量的影响[J],安徽农业大学学报,2006,33(4):547-550.

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[9] 孙元枢.中国小黑麦遗传育种研究与应用[M], 杭州: 浙江科学技术出版社, 2002.

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