

前植物生产层

低养护草坪草种研究进展

张 静, 张巨明

摘要:

综述了国内外低养护草坪的热点草种, 主要是羊茅属(*Festuca*)草坪草、野牛草(*Buchloe dactyloides*)、扁穗冰草(*Agropyron cristatum*)、丛生毛草(*Deschampsia cespitosa*), 在低养护条件下的建植与养护相关的最新研究进展, 旨在为低养护草坪研究感兴趣的人们提供参考。此外还讨论了我国假俭草(*Erenochloa ophiuroides*)、地毯草(*Axonopus compressu*)和竹节草(*Chrysopogon aciculatus*)种质资源的搜集评价工作。低养护草坪今后的研究方向将集中在继续探索建植多年生混播与盖播草坪、内生真菌在低养护草坪上的应用以及解决扁穗冰草的夏枯、丛生毛草的夏季虫害问题等方面。提出将“低养护”概念扩展, 可为中高养护的草坪研究和养护开辟一个新的视角。

关键词: 低养护草坪 羊茅属 野牛草 扁穗冰草 丛生毛草

Research progress on low maintenance turfgrass

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Abstract:

The low maintenance turfgrasses, including fescue grass (*Festuca*), buffalograss (*Buchloe dactyloides*), crested wheatgrass (*Agropyron cristatum*) and tufted hairgrass (*Deschampsia cespitosa*), and their characteristics of establishment and maintenance were introduced in order to provide necessary information. Besides, the research work involving germplasm collection and evaluation of turfgrasses (*Erenochloa ophiuroides*, *Axonopus compressu* and *Chrysopogon aciculatus*) in China was discussed as well. Future studies should focus on the establishment of the perennial mixed or overseeded low maintenance turf, application of endophyte, solution of summer decline of crested wheatgrass and billbug damage to tufted hairgrass. The concept of low maintenance should be expanded in order to develop a new view for medium and high maintenance of turf.

Keywords: low maintenance turf fescue grass buffalograss crested wheatgrass tufted hairgrass

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