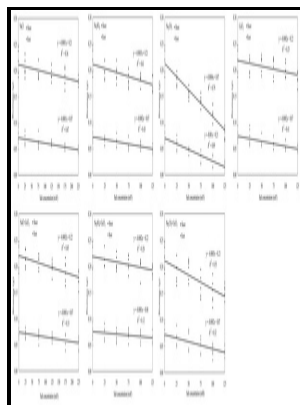


Biotechnology in tall fescue improvement

CRC Press - Genome



Description: -

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 Irish Sea -- History, Military -- 20th century.
 World War, 1914-1918 -- Campaigns -- Irish Sea.
 Anti-submarine warfare -- Irish Sea -- History -- 20th century.
 World War, 1914-1918 -- Naval operations -- Submarine.
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 Reggae music -- Jamaica -- History and criticism.
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 Political parties -- Jamaica.
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 Symbolism in politics -- Jamaica.
 France -- Industrie -- Statistiques -- Périodiques.
 Tall fescue -- Biotechnology. Biotechnology in tall fescue improvement
 -Biotechnology in tall fescue improvement
 Notes: Includes bibliographical references and index.
 This edition was published in 1990



Filesize: 34.15 MB

Tags: #Tall #Fescue

Biotechnological Improvement of Forage Crops

All salt treatments decreased Mg content in shoot tissues, especially Na₂CO₃ and the treatments containing CaCl₂ as compared to the untreated control.

Biotechnology in Festuca

Data were combined for two cultivars, Tar Heel II and Wolfpack. The tall fescue DNA clones characterized in this study will be useful in *Lolium* genetic and breeding studies. These results indicate that FaDREB1 expression reduces membrane damage caused by drought stress.

Turfgrass Biotechnology

L'échec de l'Union française 1. The overexpressing FaDREB1 plants showed higher salt and drought tolerance than the wild-type plants WT.

turfgrass biotechnology

. Improved transformation efficiency in switchgrass transformation for improved quality of the bioenergy crop 4. These results indicate that FaDREB1 expression reduces membrane damage caused by salt stress.

Transgenic Tall Fescue (*Festuca arundinacea*)

Transcriptional activator DREB1 regulates the stress-responsive genes and therefore represents an attractive target for genetic improvement of abiotic stress tolerance , , . Plant biotechnology is an extension of this traditional plant breeding with one very important difference modern plant biotechnology allows for the transfer of a greater variety of genetic information in a more precise, controlled manner.

Biotechnology Has Potential For Forage Improvement

MicroRNAs miRNA -genes modules play critical roles in tiller development in plants.

Genome

In addition to using salt tolerant species and cultivars, turfgrass managers need to reduce the salt levels and balance the nutrients levels in soils in order to maintain quality turfgrass.

Improvement of paper mulberry tolerance to abiotic stresses by ectopic expression of tall fescue FaDREB1

A single copy of T-DNA was integrated in transgenic lines T9 and T16, while T10 had two copies integrated Figure b. HindIII cuts only once inside the T-DNA region in the construct pDREB1 Figure a , thus the number of the hybridization bands reflects the copy number. For northern blot analysis, total RNA was extracted from 200 mg tissue samples using Trizol reagent Invitrogen.

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