Vidéo

Evaluating the effect of vesticular-arbuscular mycorrhizae on tomato plantgrowth and production

AWADHPERSAD, VIJANTIE Le Gosier 2016

Résumé

Tomato is one of the most popular vegetables in the world. Therefore, for improvement in crop productivity in Suriname and most other countries, excessive application of pesticides and synthetic fertilizers is used. These result in gradual depletion of soil fertility and microbial diversity. Conventionally managed soils are found to exhibit a poorer micro flora and a lower biological activity then organically managed soils. Recently much attention is paid to organic cultivation and the use of bio fertilizers as a supplement for chemical fertilizers. VAM fungi have the potential to improve the sustainability of tomato production by improving yield and quality. Therefore, the aim of the study was to evaluate the effect of two different concentrations of commercially available vesicular - arbuscular mycorrhiza on the plant growth and fruit production of two tomato varieties (Lycopersicon esculentum Mill.) in the greenhouse.

Informations

Extrait: 52E CONGRÈS ANNUEL DE LA SOCIÉTÉ CARIBÉENNE DES PLANTES ALIMENTAIRES / 52ND ANNUAL MEETING OF THE CARIBBEAN FOOD CROPS SOCIETY (CFCS), DU 10 AU 16 JUILLET 2016

Edition: University of Suriname,Le Gosier,12juillet2016

Langues: Espagnol, castillan

Provenances: Université des Antilles

Type de contenu - document: Vidéo - Colloque & conférence

Base: Bibliothèque numérique Manioc

Audience: Public universitaire

Format: video/mp4

Mots clés

CULTURE

ENVIRONNEMENT

AGRONOMIE, AGRICULTURE

INNOVATION, TECHNOLOGIES, INDUSTRIES

21E SIÈCLE

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Awadhpersad Vijantie, "Evaluating the effect of vesticular-arbuscular mycorrhizae on tomato plantgrowth and production", 2016. Extrait de: *52e congrès annuel de la Société caribéenne des plantes alimentaires / 52nd annual meeting of the Caribbean food crops society (CFCS), du 10 au 16 juillet 2016*, Colloque & conférence, University of Suriname, Le Gosier, 12 juillet 2016. Bibliothèque numérique Manioc consulté le 31 octobre 2026. Lien: HTTP://WWW.MANIOC.ORG/FICHIERS/V16303.

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