

Rootstock growth increase by 111%

CITRUS

Katherine Clough et al.,
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OBJECTIVE

Evaluate the growth improvement of a citrange rootstock cultivars inoculated with the mycorrhizal fungus *Glomus intraradices*.

METHODS

Peat based mixes were prepared with the mycorrhizal inoculant and a non-inoculated control. Mixes were limed in order to have suitable pH for citrus growth. Seeds from rootstock Carrizo citrange were sown prior to the experiment. Once seedlings had reached 12-15 cm in height they were

transferred to 8 inches pots filled with the inoculated or non inoculated peat mix. The experimental design was a complete block with six replicates for each treatment. Plants were put in a greenhouse and harvested four months later. Low phosphorus fertilizers were used weekly.

RESULTS

Mycorrhizal inoculation had a significant, positive effect on the dry weight of the rootstock. An increase of 111% was obtained after four months of growth.

