

عنوان مقاله:

Growth of olive saplings in different media containing artificial and natural super absorbents at two irrigation intervals

محل انتشار:

فصلنامه جهانی علوم و مدیریت محیط زیست, دوره 3, شماره 3 (سال: 1396)

تعداد صفحات اصل مقاله: 12

نویسندگان:

A Mohammadi Torkashvand - *Department of Soil Science, Science and Research Branch, Islamic Azad University, Tehran, Iran*

H.R Shahin - *Department of Horticulture, Rasht Branch, Islamic Azad University, Rasht, Iran*

M Mohammadi - *Department of Soil Science, Science and Research Branch, Islamic Azad University, Tehran, Iran*

خلاصه مقاله:

A factorial experiment was conducted to evaluate the impact of super absorbents and organicwastes of rice, olive marc, vermicompost and farmyard manure on the soil water holding capacity and thegrowth of plant based on randomized complete block design with 13 treatments at two irrigation intervals5 and 10 days. The olive saplings with same heights and better appearances were planted in an open spaceroofted with a plastic cover with a height of 3 m to avoid the effects of rainfall and snowfall on the results. Stockosorb superabsorbent and weighted zeolite and the rest of bulk materials were mixed. Results showedthat the substrate containing 10 g per kg soil of zeolite and the substrate including 20% vermicompost +15% rice wastes + 15% manure + 50% soil had the best yield and can modify .the effect of 10 day irrigationinterval compared to the 5 day

کلمات کلیدی:

Olive; Organic wastes; Vermicompost; Water holding capacity; Zeolite

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/628942>

