

Effect of Irrigation Interval on Jojoba Plants under Circumstance of Sinai

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Abstract : Jojoba plants are characterized by a tolerance of water stress, but due to the conditions of the Sinai in which the water is less, an irrigation interval study was carried out the jojoba plant from water stress without affecting the yield of oil. The field experiment was carried out at Maghara Research Station at North Sinai, Desert Research Center, Ministry of Agriculture, Egypt, to study the effect of irrigation interval on five clones of jojoba plants S-L, S-610, S- 700, S-B and S-G on growth and yield characters. Results showed that the clone S-700 has increase of all growth and yield characters under all interval irrigation compare with other clones. All variable of studied confirmed that clones of jojoba had significant effect with irrigation interval at one week but decrease value with three weeks. Jojoba plants tolerance to water stress but irrigation interval every week increased seed yield.

Keywords : interval irrigation, growth and yield characters, oil, jojoba, Sinai

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