

عنوان مقاله:

Effect of time irrigation on crop water stress index and evapotranspiration of red bean CWSI

محل انتشار:

کنفرانس بین المللی توسعه با محوریت کشاورزی ، محیط زیست و گردشگری (سال: 1394)

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خلاصه مقاله:

Surface temperature measured with infrared thermometers is an important tool for irrigation scheduling which has been in practice for some decades. Several indices have been developed to time irrigation events. The most useful is the Crop Water Stress Index (CWSI). This research was conducted to correlate the crop water stress index (CWSI) with evapotranspiration. in order to apply these relationships to irrigation scheduling. Furthermore, the influence of air and soil parameters in the application of canopy and air temperatures differential ($T_c - T_a$) for irrigation scheduling of red Bean were investigated. The CWSI was $1.61 \times (1 - ET/ET_m)$ due to the fact that CWSI was measured and averaged over a portion of the growing season. the Results of evaluation the effect of time irrigation on yield reduction factor indicate that the coefficient changes at different times of irrigation. So that the maximum amount of this coefficient refers to irrigation time 14 pm

کلمات کلیدی:

crop water stress index, evapotranspiration, Red Bean

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