

Crop Water and Irrigation Water Requirements of Cucumber (*Cucumis Sativus*) in the Loamy Sands of Kuwait

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Crop water and irrigation water requirements of cucumber have been estimated using the FAO CROPWAT model for the loamy sands of Kuwait. Agro-meteorological data for 43 years were used for this purpose. The crop water requirement (ET_c), Irrigation requirement (IR) and Net Irrigation Requirement (NIR) of cucumber vary with the planting date. Water use of cucumber is the lowest with planting date of 15th October. The period 15th October to 15th November is suitable for cucumber planting. The ET_c of cucumber crop vary from 537mm (15th October planting) to 948mm (5th January planting). The IR of cucumber varies from 428mm (25th October planting) to 876mm (5th January planting). Similarly the NIR of cucumber vary from 488mm (25th October planting) to 893mm (5th January planting). Cucumber planting in Kuwait may not be advanced beyond 15th November, in order to economise the water use. An irrigation schedule is also developed for cucumber for the loamy sands of Kuwait.