DETERMINATION OF PAYKANY GRAPE IRRIGATION PIRIOD AND ITS EFFECT ON QUALITY AND QUANTITY OF YIELD AND RAISIN PRODUCED

Zabihi,Hamid reza ;Azarpajouh, Elhame; Mokhtaryan,Ali

Khorasanagricultural research center/ Reaserchers

Iran mean anual percipitation is 240mm and water is the most limiting factor in agricultur.There fore due to water shortage , correct irrigation programe seems essintial ,and determination of plant water requirments can affect horticultural yield and quality .

In order to determin grape vine(VITIS VINIFERA.L)irrigation period and effects of water on grape yield and raisin an experiment with six treatments and four replications in randomised complete block design was conducted in Kashmar Agricultural Station .Results showed that the highst yield ,bunch weight and berries width were obtained from I2 irrigation trearment (one irrigation in winter+one irrigation after flowering+one irrigation when berries length reached 3-5 mm+one irrigation 15 days later+ one irrigation15 days before harvest+one irrigation after harvest)with 27800 kg/h ,261.6 *g/bunch and .498 mm respectively. the highst raisin was obtained from the* same treatment too.Irrigation treatments did not affect grape pH.Raisins color,taste and quality differences were not significant at 5%level