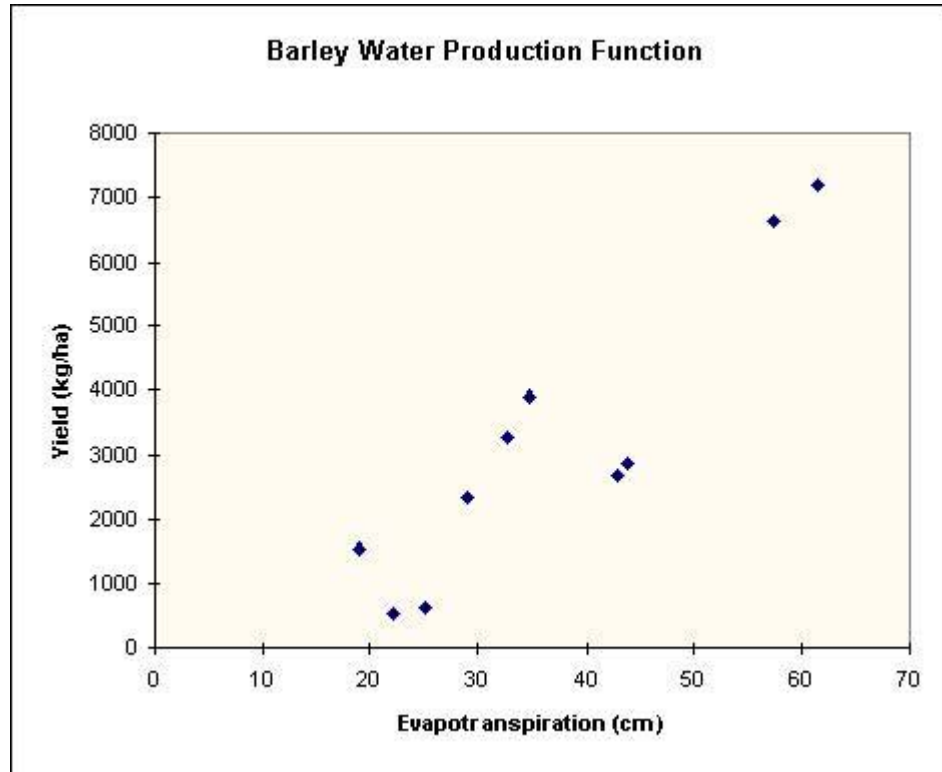


New Mexico Crop Information

Barley Water Production function or the relationship between Evapotranspiration and yield

Et = evapotranspiration or water used by crop.



The water production function has grain yield expressed in kg/ha at 14.0 % moisture content.

The water production function is $y = -2107 + 142.8 Et$. The coefficient of determination is 0.83

The reference for this work is Kallsen, C. E. , T. W. Sammis. E. J. Gregory. 1984. Nitrogen and Yield as related to water use of spring barley. *Agronomy Journal* 76:59-64