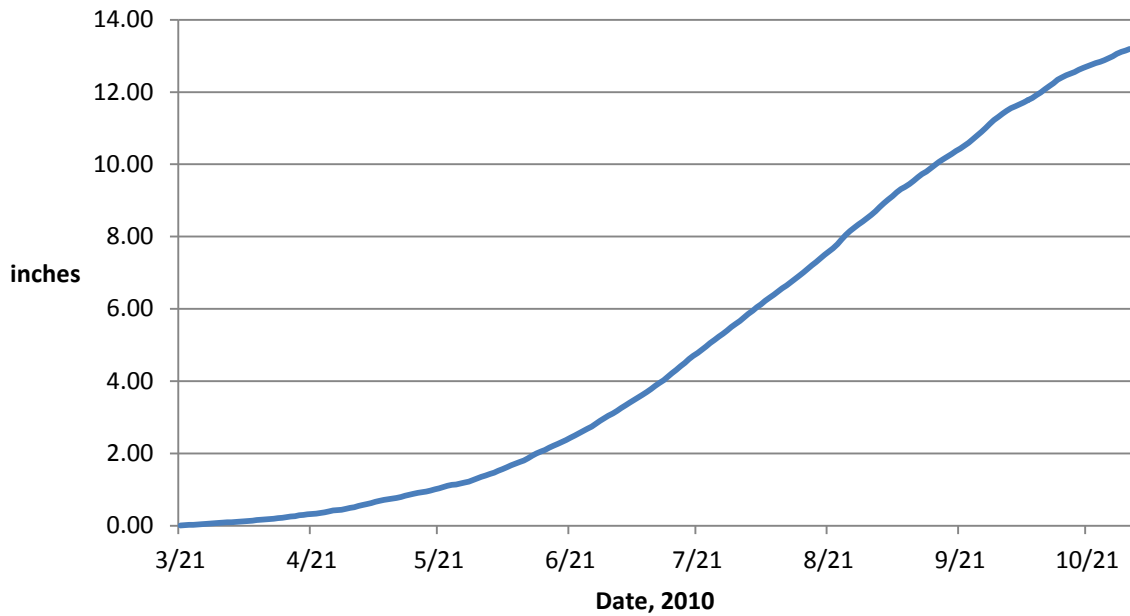


Wine grapes, cumulative irrigation requirement (inches) VSP, 8 ft. row spacing



The estimated cumulative water requirement for vertically shoot-positioned wine grapes on an 8 foot row spacing in 2010 was $13\frac{1}{4}$ inches. This estimate does not take stored winter rainfall into account. Nor are management applied deficits or deficiencies in irrigation system uniformity taken into account.