Crop Coefficient uses growing degree days (GDD) accumulated from January 1 based on the averaging method of calculating GDD. The Base Temperature is 40 F.

The equation for the crop coefficient (k) is presented in the figure

Crop Coefficient = Etact/Etpot for a closed canopy poplar plantation that is not under moisture stress conditions.


The procedure was to get the monthly Et rate in mm/month for a 3 year old crop. Next the daily temperature data was acquired from the internet and Samani’s Pet calculator was used to calculate the Et and GDD using a kt factor of 0.16