TABLE 1. *Information used in example problem.*

Location	Juana Díaz, Puerto Rico
Site latitude	18.02 degrees N
Site longitude	66.52 degrees W
Site elevation above sea level	21 m
Crop	Tomato
Planting date	1-Jan-12
Rainfall information	A rain gauge is not available on or near the farm
Type of irrigation	Drip
Irrigation system efficiency	85%
Field size	10 acres
Pump capacity	300 gallons per minute

TABLE 2. *Web addresses used to obtain information for solving the example problem.*

Length of Growth Stages (Table 11) and Crop Coefficients (Table 12)	http://www.fao.org/docrep/X0490E/x0490e00.htm
Daily Reference ET Results for Puerto Rico[1]	http://academic.uprm.edu/hdc/GOES-PRWEB_RESULTS/reference_ET/
Daily NEXRAD Rainfall For Puerto Rico	http://academic.uprm.edu/hdc/GOES-PRWEB_RESULTS/rainfall/

[1]The web subdirectory contains Penman-Monteith, Hargreaves-Samani and Priestly-Taylor ET_o data.

TABLE 3. *Crop growth stage lengths and crop coefficient data for the example problem.*

Initial Crop Growth Stage	30 days
Crop Development Growth Stage	40 days
Mid-Season Growth Stage	40 days
Late-Season Growth Stage	25 days
Total Length of Season	135 days
$K_{c\ ini}$	0.6
$K_{c\ mid}$	1.15
$K_{c\ end}$	0.8

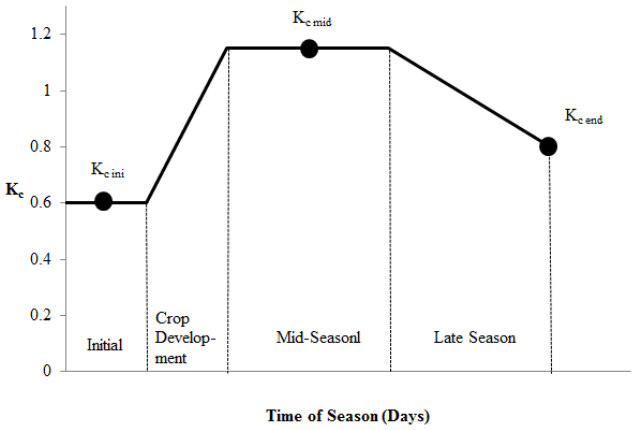

FIGURE 1. Crop coefficient curve.

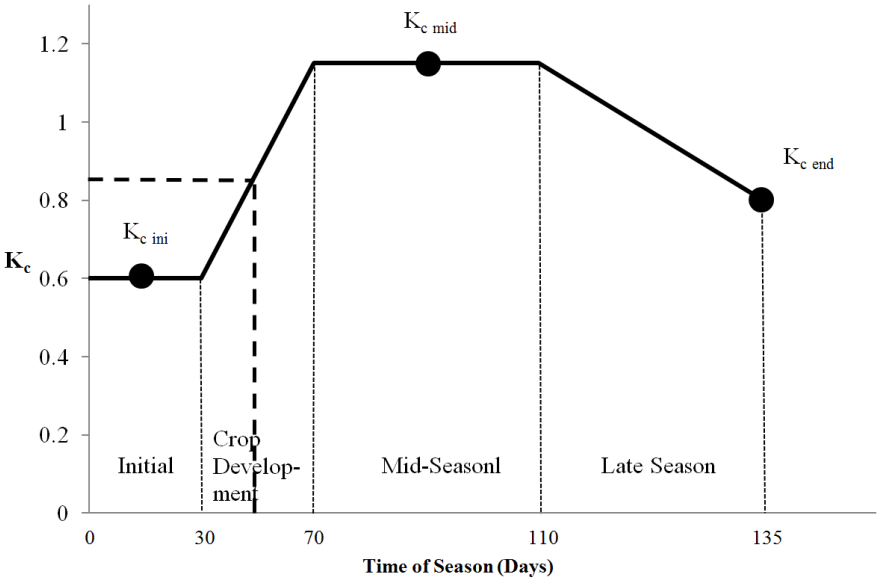

FIGURE 2. Crop coefficient curve for the example problem. The heavy dashed line applies to the example problem with day of season 46-50 (horizontal axis) corresponding to an approximate crop coefficient of 0.85 (vertical axis).

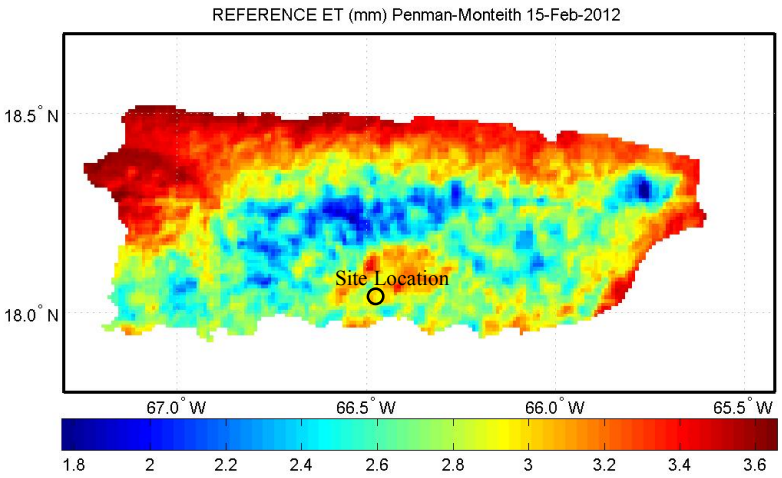

FIGURE 3. Estimated reference evapotranspiration (ET_o) for 15 February 2012, the approximate ET_o at the site location is 2.95 mm.

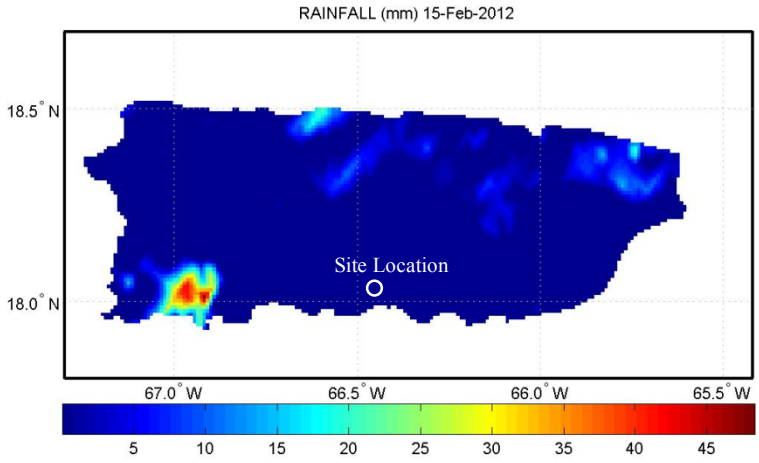

FIGURE 4. Estimated NEXRAD rainfall for 15 February 2012.

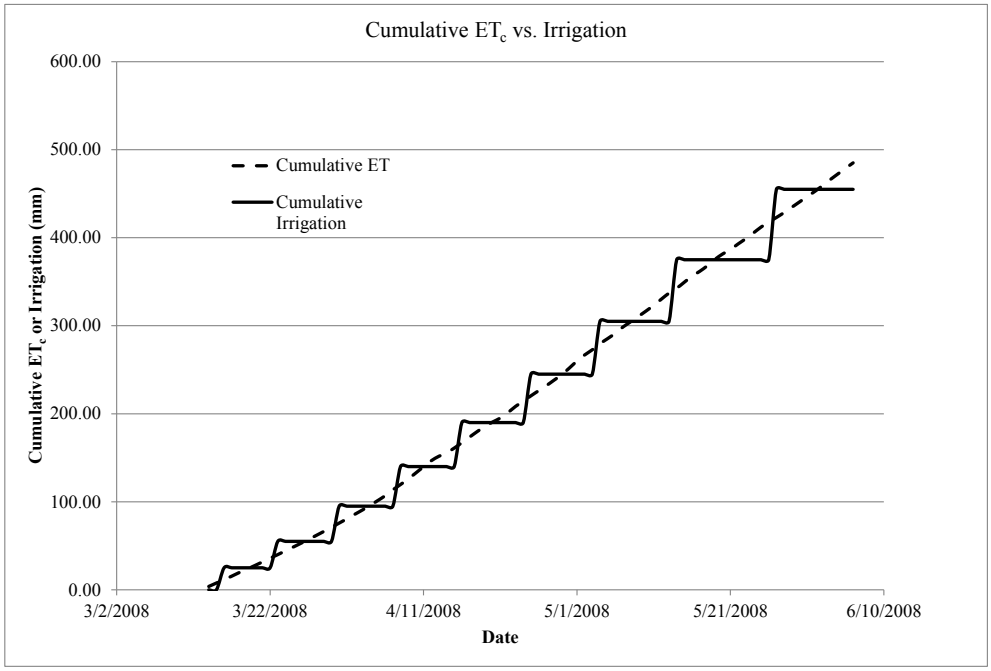

FIGURE 5. Example of the cumulative irrigation and ET_c plotted with time for a crop season. (Note that this graph is not related to the example problem given above.)