Note, pcrs, pcrl and pcrq were described previously.

These variables are passed from 2dsoil in the structure SHOOTR. IN the crop model they are stored in a TWeather class (see Weather.h).

This class is first instantiated and filled with data in the crop object after the plant object is created in initialized. Here it is called wthr. This structure is passed to the plant and holds environmental variables defined by or used in 2dsoil.

The value of pcrs, which is the actual amount of carbohydrate used to grow roots in the last time step is stored in wthr before calling the plant object. This is not the same pcrs used in 2dsoil, but is a value aggregated over the 1 hour time step. Pcrq and pcrl at this time are not needed.

The wthr object is passed to the plant object.

ier = pSC->run(wthr, lwpd)

After the plant is run, pcrl and pcrq are obtained from the plant object and trasfrerred to the SHOOTR structure in the crop object.

Inside the plant object:

The controlled object is called from the crop object as:  
ier = pSC->run(wthr, lwpd)

The plant object is called from the controller object

plant->update(weather[iCur], lwpd);