

A) Demands are specified for configuration 1 with Surface water (SW) and groundwater (GW) irrigation simulated using IRRIGATION\_DIVERSION and IRRIGATION\_WELL features in the AG Package, respectively. The SUPPLEMENTAL\_WELL feature is used to supplement an IRRIGATION\_DIVERSION when specified demands are greater than SW supply, and the same well can be designated as an IRRIGATION\_WELL.  $ET_a$  is simulated actual evapotranspiration.

