

irrigation water requirement (IWR) (in., mm)

Calculated amount of water needed to replace soil water used by the crop (soil water deficit), for leaching undesirable elements through and below the plant root zone, plus other needs; after considerations are made for effective precipitation.

same as **gross irrigation requirement**

gross irrigation requirement (IR_{gross}) (in., mm)

Total amount of water applied (or desired).

same as **irrigation water requirement**

net irrigation requirement (IR_{net}) (in., mm)

Depth of water, exclusive of effective precipitation, stored soil moisture, or ground water, that is required for meeting crop evapotranspiration for crop production and other related uses. Such uses may include water required for leaching, frost protection, cooling and fertigation.