

Post-script: Water use comparisons by previous studies

Evaporation and transpiration of central sands land covers is an area of ongoing research. Below are two references commonly used that reflect some of our current understandings.

Weeks and Stangland (1971). A well-known USGS study that predicted the low water levels associated with the lakes in the Plainfield region. Central Sands water use was calculated as 22 inches for irrigated potatoes, 19 inches for irrigated beans, 19 inches for forest, 16 inches for grassland and nonirrigated crops, and 14 inches for bare soil.

<http://wi.water.usgs.gov/pubs/OFR-sandplain/OFR-sandplain.pdf>

Naber (2011). A Master's thesis at UW-Madison which calculated evapotranspiration using the AgrolBIS model. This work helped lay a stronger conceptual framework for understanding water evapotranspiration processes in the Central Sands. Naber estimated an average annual evapotranspiration of 20 inches from irrigated crops, 18.8 inches from pine, and 13.6 inches from prairie. <https://search.library.wisc.edu/catalog/9910105815002121>

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