Metadata Records
Irrigation Innovation Consortium-Supported Project Datasets

Please use a separate sheet for each dataset. Answers are automatically saved.
Questions? Contact Diane DeJong: diane.de_jong@colostate.edu.

Thank you!

Question	Your answer
Project name	Improved irrigation scheduling combining soil water supply and atmospheric evaporative demand
Project background	Quantify and compare the water use efficiency (i.e. yield per applied irrigation) of the SDD algorithm vs. other common irrigation practices at two study sites in Nebraska using a randomized trial with 3 replicates.
Dataset name	UNLTAPS cosmic ray neutron sensor
Primary author Include first & last name, institution affiliation, and email address.	Trenton Franz, UNL, trenton.franz@unl.edu
Primary contact The primary contact may be the same or different from the primary author. Include first & last name, institution affiliation, and email address.	Trenton Franz, UNL, trenton.franz@unl.edu
Dataset description Please provide a brief, clear summary description of the dataset contents. Indicate as applicable: purpose and scope; time period; areas of investigation; and any other special characteristics.	Epithermal neutron counts from a CRNS mounted on the UNLTAPS sprinkler corn experiment
Spatial coverage Please be specific as possible about the geographic coverage of your data, and record the information according to defined standards, such as FGDC or the Getty Thesaurus of Geographic Names. You can enter lat/long data, county names, state names, etc.	The experiment took place the research and extention facility in North Platte NE on their sprinkler corn field.
Temporal coverage Describe the temporal coverage of your dataset: Start: Time of day, Date, Month, Year Finish: Time of day, Date, Month Year	May 2021 to Oct 2023
Re-use limitations Describe known problems or caveats that would limit reuse of the data (e.g., uncertainty, sampling problems, blanks, quality control samples) and/or that future potential users of your dataset should know about. Or indicate "None."	None
Citations Please include full citations and DOIs for articles published based on or related to this dataset. Or indicate "None."	None
Keywords Please add a few appropriate National Agricultural Library keywords: https://agclass.nal.usda.gov/vocabularies/nalt	irrigation scheduling; soil water; evaporative demand; remote sensing; algorithms; water use efficiency; application programming interface

Tags Please add a few of your own user-defined tags that would be useful to others who might use your dataset in the future.	CRNS, soil moisture
Acronyms & abbreviations Please define any acronyms, site abbreviations, or other project specific designations used in your dataset. Or indicate "none."	SDD - supply-demand dynamics; API - application programming interface; TAPS - Testing Ag Performance Solutions; CRNS - cosmic ray neutron sensor; AU - Aspiring Universe Corporation (subcontractor)
Other dataset storage location Has this dataset already been uploaded elsewhere? Yes or No Reasons may include a requirement as part of publishing a paper or storing data on GitHub or other locations to make accessible to others. If yes, please provide the link or other information to explain where the dataset is located and where or how it can be accessed.	None to date