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.

Question	Answer
Project name	Precision irrigation on golf course fairways using soil moisture sensor and mapping technologies
Project background	1) Quantify changes in golf course fairway water consumption between a precision irrigation approach and conventional irrigation scheduling methods in MN and TX. 2) Conduct a nationwide, online survey of golf course superintendents regarding current use, driving forces, and barriers to adoption of technologies for precision irrigation.
Dataset name	Jackrabbit Precision Sense Data August 16, 2022
Primary author Include first & last name, institution affiliation, and email address.	Chase Straw
Primary contact The primary contact may be the same or different from the primary author. Include first & last name, institution affiliation, and email address.	Chase Straw, Texas A&M University, cstraw@tamu.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.	Precision Sense Data (normalized difference vegetation index, volumetric water content, soil electrical conductiviy, soil penetration resistance) collected from nine golf course fairways on August 16, 2022 at the Jackrabbit course at Champions Golf Club in Houston, TX.
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.	Champions Golf Club, Houston, TX (29.9886° N, -95.530014° E)
Temporal coverage Describe the temporal coverage of your dataset: Start: Time of day, Date, Month, Year Finish: Time of day, Date, Month Year	August 16, 2022 (7:00am-1:00pm)
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; golf courses; evapotranspiration; normalized difference vegetation index; soil moisture

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.	NDVI, Soil Moisture, Electrical Conductivity, Latitude, Longitude, Penetration Resistance, Turfgrass
Acronyms & abbreviations Please define any acronyms, site abbreviations, or other project specific designations used in your dataset. Or indicate "none."	FID, Field ID; Lat, Latitide; Lon, Logitude; NDVI, normalized difference vegation index; VWC, volumetric water content; ECe, electrical conductivity; COMP, penetration resistance
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.	No

Thank you!