

# Cover Crop Project

A Web Based Decision Support Tool for Cover Crop Management



Please login with your account to access the cover crop tool. If you don't have an account yet, use the 'REGISTER' button to create one. If you are having trouble receiving the verification email in your inbox, please check your spam/junk folder.

## Welcome to the Cover Crop Project

The cover crop project seeks to provide farmers with a practical web-based decision support tool designed to help manage cover crops in their fields. The project makes use of existing research to demonstrate the potential for cover crops, as well as providing useful information for decision making and management of this practice. It will also seek to apply future research on cover crops as results are incorporated into updates and new iterations of the tool. This remains a work in progress with a goal towards adapting with the science.

To date, extensive research has found that adopting cover crops in the fallow season of commercial row crop production can improve soil health by, among other things, improving soil organic matter, carbon, as well as water retention and some weed suppression. Importantly, cover crops are a critical practice for the Illinois Nutrient Loss Reduction Strategy and the voluntary efforts to reduce nutrient losses from farm fields. The growing cover crop will scavenge unused inorganic nitrogen and store it in the plant's biomass, reducing losses; it also provides a cover to protect against soil erosion and export of other nutrients from fields.

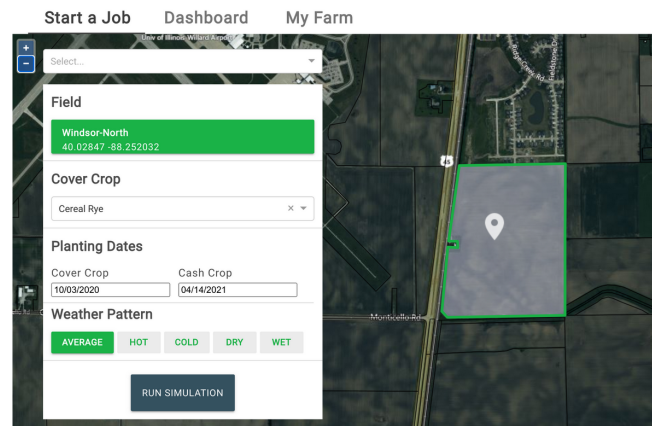
This project proceeds from an understanding that better information and functional assistance with decision making can increase the successful adoption of this important practice. The tool will provide farmers, researchers, extension educators and others in the industry with data and information about cover crops in a practical, visualized format. The information the tool provides is integrated into common cropping systems and the first iteration uses cereal rye added to a corn-soybean rotation for fields in Illinois. At this time, fields outside of Illinois are not included in the tool but can be added in future releases and as data becomes available.

Funding for this project has been provided primarily by the Illinois Nutrient Research & Education Council (NREC). The project team greatly appreciates the financial, technical and other support from NREC and Illinois farmers. Initial seed funding for the project was also provided by the McKnight Foundation and the University of Illinois. Additional features for the tool are forthcoming thanks to funding from the Walton Family Foundation."

[Privacy Policy](#)

Need Help? Check out our [FAQ](#) section

## How does the simulation work?

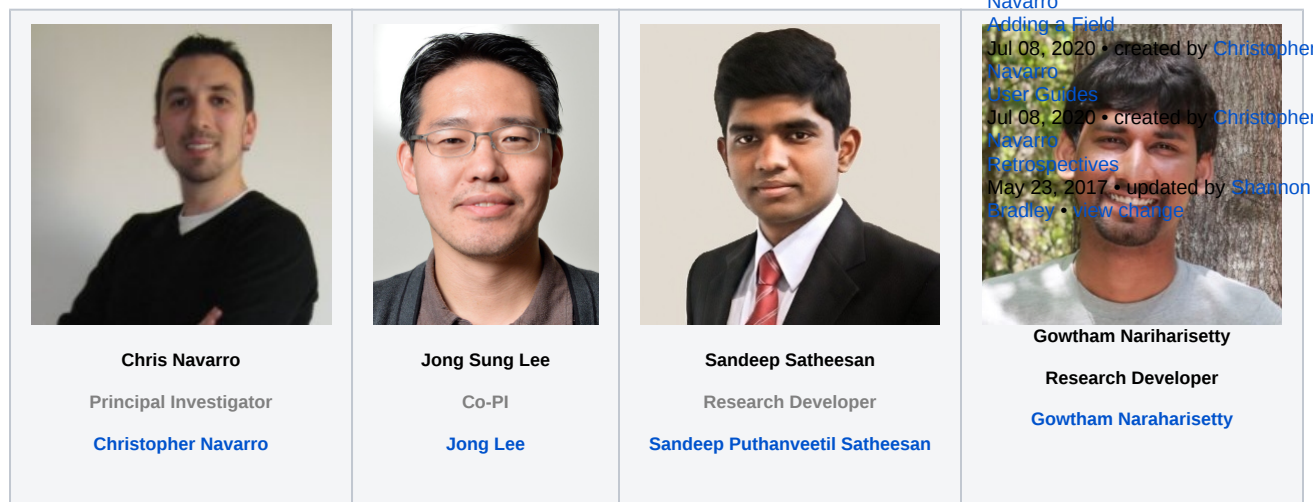


## About this project

This project will deliver a web-based software application that can provide farmers, researchers, extension educators and others in the industry with data and information about cover crops in a practical, visualized format.

This app can be found at: [covercrop.ncsa.illinois.edu](http://covercrop.ncsa.illinois.edu)

## The team



## Recently updated

[Frequently Asked Questions](#)  
May 20, 2022 • updated by [Christopher Navarro](#) • [view change](#)  
[Cover Crop Project](#)  
Jun 02, 2021 • updated by [Shannon Bradley](#) • [view change](#)  
[Running a Job](#)  
Jul 08, 2020 • created by [Christopher Navarro](#)  
[Updating Crop History](#)  
Jul 08, 2020 • created by [Christopher Navarro](#)  
[Adding a Field](#)  
Jul 08, 2020 • created by [Christopher Navarro](#)  
[User Guides](#)  
Jul 08, 2020 • created by [Christopher Navarro](#)  
[Retrospectives](#)  
May 23, 2017 • updated by [Shannon Bradley](#) • [view change](#)

**Gowtham Nariharisetty**

**Research Developer**

[Gowtham Naraharisetty](#)

## Open issues in JIRA

| Key       | T | Created      | Updated      | Assignee                       | Status | Resolution |
|-----------|---|--------------|--------------|--------------------------------|--------|------------|
| CCROP-339 | ✓ | Mar 24, 2021 | Mar 24, 2021 | Sandeep Puthanveetil Satheesan | TO DO  | Unresolved |
| CCROP-420 | ✓ | Dec 02, 2022 | Dec 02, 2022 | Sandeep Puthanveetil Satheesan | TO DO  | Unresolved |
| CCROP-419 | ⬮ | Nov 07, 2022 | Nov 07, 2022 | Sandeep Puthanveetil Satheesan | TO DO  | Unresolved |
| CCROP-417 | ⬮ | Oct 25, 2022 | Dec 05, 2022 | Unassigned                     | TO DO  | Unresolved |
| CCROP-416 | ✓ | Sep 30, 2022 | Sep 30, 2022 | Unassigned                     | TO DO  | Unresolved |
| CCROP-411 | ⬮ | Sep 16, 2022 | Dec 08, 2022 | Sandeep Puthanveetil Satheesan | TO DO  | Unresolved |
| CCROP-410 | ✓ | Sep 07, 2022 | Sep 07, 2022 | Sandeep Puthanveetil Satheesan | TO DO  | Unresolved |
| CCROP-409 | ✓ | Sep 06, 2022 | Jan 11, 2023 | Sandeep Puthanveetil Satheesan | TO DO  | Unresolved |
| CCROP-404 | ✓ | May 31, 2022 | Dec 05, 2022 | Christopher Navarro            | TO DO  | Unresolved |
| CCROP-401 | ✓ | May 04, 2022 | May 04, 2022 | Unassigned                     | TO DO  | Unresolved |
| CCROP-399 | ⚡ | Apr 11, 2022 | Apr 11, 2022 | Unassigned                     | TO DO  | Unresolved |
| CCROP-398 | ✓ | Apr 11, 2022 | Apr 11, 2022 | Unassigned                     | TO DO  | Unresolved |
| CCROP-397 | ✓ | Apr 11, 2022 | Apr 11, 2022 | Unassigned                     | TO DO  | Unresolved |
| CCROP-395 | ⬮ | Apr 05, 2022 | Sep 21, 2022 | Unassigned                     | TO DO  | Unresolved |
| CCROP-393 | ⬮ | Mar 18, 2022 | Mar 18, 2022 | Unassigned                     | TO DO  | Unresolved |
| CCROP-392 | ⬮ | Mar 18, 2022 | Mar 22, 2022 | Unassigned                     | TO DO  | Unresolved |
| CCROP-390 | ⚡ | Feb 24, 2022 | May 31, 2022 | Unassigned                     | TO DO  | Unresolved |
| CCROP-389 | ✓ | Feb 23, 2022 | Dec 08, 2022 | Sandeep Puthanveetil Satheesan | TO DO  | Unresolved |
| CCROP-386 | ⬮ | Jan 14, 2022 | May 31, 2022 | Unassigned                     | TO DO  | Unresolved |
| CCROP-384 | ⬮ | Dec 21, 2021 | Sep 21, 2022 | Unassigned                     | TO DO  | Unresolved |

Showing 20 out of 87 issues