

NITROGEN MANAGEMENT IN CORN



SO YOU WANT TO MANAGE NITROGEN IN CORN?

Nitrogen loss translates not only to environmental concerns, but it also becomes an economic issue in addition to a crop production issue. Management of nitrogen in corn not only includes the proper rate of nitrogen, but also proper timing of application to get the most efficient use of this nutrient.

WHAT YOU'LL NEED TO KNOW:

- **Nitrogen Rate**—What is the most economical rate of applying nitrogen? Learn to use nitrogen management tools to determine the most economic rate for corn production from on-farm research trials conducted in Ohio and other Midwest states.
- **Nitrogen Timing**—When is the best time to apply nitrogen so that loss can be minimized? Find out what our Ohio State University trials and other on-farm research efforts are telling us about timing. Learn the advantages of split applications, nitrogen stabilizers, and when to apply nitrogen with the least amount of risk of loss.
- **Application Method**—Which method of application is recommended in order to get the best return from your nitrogen dollar? Nutrients can be applied to the surface, surface applied and incorporated, and injected. Which method will fit into your operation and give you the most efficient return in yield?

NEEDED TO BE SUCCESSFUL:

- Review on-farm research studies in nitrogen management.
- Plug in your own data into the Corn Nitrogen Rate Calculator.
- Set up replicated trials in your own field with OSU Plots App.
- Work with your county OSU Extension educator to analyze results.
- Make changes in your operation based on what you learn.



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