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the SCN, root-knot, and reniform. Each of these has different alternate host crops that will affect the choice of a rotational crop.

- It has become increasingly important that varieties with resistance from sources other than PI 88788 be used when available. Click [here](#) for more information about this.

PESTICIDE APPLICATION. Consider nozzle type, tank-mix options, weather conditions, and time of day when applying all pesticides. Pesticide labels will specify the criteria for most of these factors.

- **Herbicide drift and spray nozzles.** Click [here](#) to access a White Paper that has information about selecting the spray nozzle that will produce the appropriate droplet size to both control targeted pests and reduce drift.
- **Calibration of pesticide application equipment.** Click [here](#) to find guidelines presented in an MSU-ES publication to ensure proper sprayer calibration based on spray equipment factors.
- **Spraying time.** Click [here](#) to access what is known about the optimum time of day to spray foliar-applied herbicides on soybeans to realize their maximum efficacy against targeted weeds.

IRRIGATION. Use all available tools to ensure the most efficient application and use of irrigation water.

- **Irrigation setup.** Dr. Jason Krutz, former Irrigation Specialist at MSU-DREC, and Dan Roach co-authored an article titled "[Pipe Planner: the Foundation Water Management Practice for Furrow Irrigated Soybeans](#)". This article provides a summary of results from the MSPB-funded RISER project that defines the water savings that can be gained by using [Pipe Planner](#), the computerized hole selection program that was developed by Delta Plastics to supplant NRCS's PHAUCET irrigation management tool. Also, use [other tools](#) that will result in water conservation during irrigation.
- **Soil Moisture Sensors.** Use [soil moisture sensors](#) to accurately schedule irrigations according to

plant stage and available water in the soil.

- Click [here](#) and [here](#) for information about soil and plant water relations and irrigation, and [here](#) for the "Mississippi Soybean Irrigation Guide" on this website.

HARVEST AIDS. These materials may be needed to make soybean harvest more efficient and/or to desiccate weeds that emerged and grew after in-season weed control activities were completed.

- **Materials and time of application.** Click [here](#) to access a White Paper on this website that provides guidelines about desiccation products and when they should be applied to soybeans to maintain yield potential and ensure pre-harvest interval.

The topics listed above should be considered for the 2022 production season. The content in the linked resources shown for each topic will provide up-to-date information that can be used to maximize soybean yield and economic return.

FACT SHEETS. Click [here](#) for fact sheets that provide summaries of the above subjects.

*Composed by Larry G. Heatherly, Updated Jan. 2022,
larryh91746@gmail.com*