

Iowa Soybean Association On-Farm Network®
ProAct vs Headline (VT-R2) Replicated Strip Trial Protocol

Objective:

The purpose of this project is to quantify the agronomic and economic impacts of ProAct with a propiconazole fungicide vs. Headline use at VT-R2 on corn fields in Iowa.

Brief summary:

Growers with yield monitors equipped with GPS will apply a minimum of 4 replications comparing alternating strips of ProAct with a propiconazole fungicide to Headline to untreated checks measuring the yield differences at the end of the growing season. An example of a ProAct with a propiconazole fungicide at VT-R2 replicated strip trial is shown on the right.

The width of a strip must be at least as wide as the combine pass and preferably the width of the spray boom. Harvesting must ensure at least one “pure”

combine pass (not mixing yields from two strips) within each ProAct with a propiconazole fungicide, headline fungicide treated and untreated strip. Mixed passes are acceptable when the spray boom is wider than individual combine passes, but the grower must be able to harvest at least one pure pass from each treated and untreated strip. Loads should be used in the yield monitor to identify fungicide treatments, untreated checks, and mixed passes.

Rep 1	Headline
	ProAct with a Propicure 3.6F
	Untreated Check
Rep 2	Headline
	ProAct with a Propicure 3.6F
	Untreated Check
Rep 3	Headline
	ProAct with a Propicure 3.6F
	Untreated Check

Grower Requirements:

1. Contact Matt Sweeney (515-669-9157) to confirm intent.
2. Complete and submit a replicated strip trial registration form by July 30, 2011 along with a field boundary in shapefile format (.shp, .dbf, .shx, & .prj) or FSA map with the field clearly outlined.
3. Apply a minimum of 4 replications as shown in the diagram above with alternating strips of ProAct with a propiconazole fungicide and Headline at VT-R2 following the product labels with the rows. The length of the replicated strips should be a minimum of 1,320 feet. Areas containing waterways and or point rows should be avoided. All other factors in the trial area must be managed the same (planting date, variety, etc).
4. Accurately record where all treatments were applied using GPS mapping equipment and submit as-applied data within 30 days in the following format: raw files from the memory card or exported shape file (.shp, .dbf, .shx, & .prj).
5. Provide management information relevant to this trial.
6. Trial must be harvested with a calibrated yield monitor equipped with GPS. If possible, harvest the entire trial area on the same day. Complete yield card backup must be submitted within 30 days of harvest or no later than December 1, 2011.
7. Allow ISA to use submitted and collected data for research, educational, and informational purposes.

ISA Agrees to:

1. Provide product to grower in some cases.
2. Attempt to collect aerial images from each field and provide them to the grower at no cost.
3. Return a report analyzing the treatment differences.
4. Keep data in a confidential manner that can't be linked back to the individual producer by other parties.

