Iowa Soybean Association On-Farm Network®
Manure with SFP Manure Manager Replicated Strip Trial Protocol

Objective:
The purpose of this project is to quantify the agronomic and economic impacts of adding SFP Manure Manager to manure applied at the recommended N level to corn.

Brief summary:
Growers with yield monitors equipped with GPS will apply a minimum of 4 replications comparing alternating strips of manure applied at a rate that meets the recommended N level, to manure with SFP Manure Manager. Manure must be applied uniformly. Preferred fields for these trials would have straight rows and some variability of soil type, topography, etc. An example of manure plus SFP Manure Manager replicated strip trial is shown on the right. Strips must be at least as wide as one combine pass and preferably wider. Harvesting must ensure at least one "pure" combine pass (not mixing yields from two strips) within each treated and untreated strip. Mixed passes are acceptable when the application width is wider than individual combine passes, but the grower must be able to harvest at least one pure pass from both treatments in each rep. Loads or regions should be used in the yield monitor to identify the two treatments and any mixed passes.

Rep 1	**Manure Only**
	Manure with Manure Manager
Rep 2	**Manure Only**
	Manure with Manure Manager
Rep 3	**Manure Only**
	Manure with Manure Manager
Rep 4	**Manure Only**
	Manure with Manure Manager

Grower Requirements:

1. Contact Matt Sweeney at ISA (515-669-9157) to confirm intent.
1. Complete and submit a replicated strip trial registration form by June 10, 2011 along with a field boundary in shapefile format (.shp, .dbf, .shx, & .prj) or FSA map with the field clearly outlined.
2. Apply a minimum of 4 replications as shown in the diagram above with alternating strips of manure with Manure Manager following the product label 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).
2. 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).
3. Provide management information relevant to this trial.
4. 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.
5. 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 and stalk nitrate samples 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.

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