Hi All,

We are gathering data to determine yield loss of sweetpotato due to weeds. In addition, we would like to understand and explore the effect of location, cultivar, soil type, and weed species on crop yield.

We will calculate yield-loss estimates from comparative, quantitative observations of yields between nontreated and a treatment providing greater than 90% weed control in studies conducted over a period of years (as performed for corn in attached poster). Researchers from various states will provide data from replicated, small-plot studies, which will then be averaged within a year, and then averaged over years. These trials can be herbicide trials or other forms of weed control or weed competition trials, provided a weedy check and a weed-free comparison are used. They should be field grown trials not high tunnels or hoop house studies. Please populate the worksheet with yield data reported as wt per area (lbs/ac, kg/ha, lbs/plot area) since we are calculating percent yield loss, any units for yield would be acceptable.

Based on state yield averages over the time period, we will calculate potential total yield loss.

**Enter only two values per trial.  Enter weedy check as average over all reps.  If you have more than one treatment that provided over 90% control, choose only one of those treatments, averaged over all reps.**

We are also requesting study location (nearest town), sweetpotato variety, type of irrigation (overhead, drip, rainfall), soil type, and primary and secondary weed species. The appropriate statistical analysis will be performed to understand the relationship of all these variables with crop yield loss.

If you have any questions or comments please let me know. The first sheet in the spreadsheet is an example of data entry. Please enter as much as data that you have.

Thanks for your help on this project.

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