

Mid Term Report: Pennsylvania Soybean Board

Project Number R2015-06

Tracking Number 178927

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Title: The Yield and Profitability of Double Crop Soybeans

This study was initiated to evaluate the yield potential of various maturity groups of soybeans planted at three planting dates in early, mid and late July in Lancaster County. In addition, we are reevaluating seeding rate responses for several varieties planted in a double crop situation in early July.

The following is a summary of the progress to date, including treatments and crop progress.

A double crop soybean trial focusing on plant populations and variety maturity was planted at our Southeast Research and Education Center on July 7. This consisted of three varieties (Dekalb AG3735, TA 3759, and Mycogen 388NR2) planted at four plant populations ranging from 140000 to 230000 following wheat harvested for grain. Each treatment was replicated five times. Establishment was good and several inseason measurements of plant population, NDVI and growth stage are planned for August. We anticipate good yields and data from this trial.

A second trial consisting of six varieties representing three maturity groups ( 3.3-3.4, 3.5-3.6 and 3.9-4.0) and three planting dates as also established. This included recording yields of wheat and wheat quality at each of the harvest dates. Dates ranges from July 7 to July 22. All of these plots established well and should give us some good information on the role of maturity and planting dates.

We will plan on harvesting and collecting harvest yield and other information to include in our final report. We will post results on web site and distribute hard copies with check-off logo. We will also sign our plots at APD and other events. We will use the results as part of extension educational events. We will recognize PSB as well in these events.