# FIELD CORN

## POPULATION DENSITY & STINKBUGS

## POPULATION DENSITY

Population Density (Planting Density) varies in commercial production of field corn. Research is being conducted to determine the best planting rate for resource use while still maintaining optimal yields.

## INSECT POPULATIONS

Secondary research on population density trials is determining how planting rates may impact insect population density, particularly stink bugs as they have a direct impact on corn yields and quality.

## BEST MANAGEMENT PRACTICES

Research relating to stink bug populations is important for field corn production as reduced use of insecticides to control stinkbugs is a recommended best management practice. Also, using less insecticides is a cost savings to producers and increases their potential profit margins.

## YIELD IMPACTS

These combined efforts of population density research and stink bug population/damage can improve yield quality and quantity. Future recommendations will include the most desirable planting rate to achieve maximum yield quality and weight. This will reduce the need for insecticides and the need for more land to achieve the same yields.

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