Wednesday - March 14

Session 3
8:30 to 10:00 am

Current Impact of Changes in Plant Density - Moderator: Steven Paszkiewicz

- Physiological Impacts of Moderate- and High-Plant Densities in Maize – Steven Paszkiewicz, Pioneer Hi-Bred Int’l, Inc., Research Scientist
- Impacts of the Changing Planting Rates in Corn – Joe Lauer, University of Wisconsin, Corn Extension Specialist
- Impacts of the Changing Seeding Rates in Soybean – Shawn Conley, Purdue University, Soybean Extension Specialist
Physiological Impacts of Moderate- and High-Plant Densities in Maize

Steven R. Paszkiewicz, Ph.D.
Research Scientist
Pioneer Hi-Bred International, Inc.
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Grain yield response to low and high plant populations for hybrids from four eras of plant breeding, 2-year average (Duvick, 1993).
Physiological and grain yield responses to plant populations up to 90,000 plants/acre
Grain yield response to plant population for 5 hybrids, 5 locations.

Paszkiewicz et al., 2003
Kernels per row and kernel row response to plant population, 5 locations.

Paszkiewicz et al., 2003
GDU silk, shed and anthesis-silking interval response to plant population, 5 locations.

ASI – negative number indicates that silks exserted prior to shed.

Paszkiewicz et al., 2003
Thank You!!!