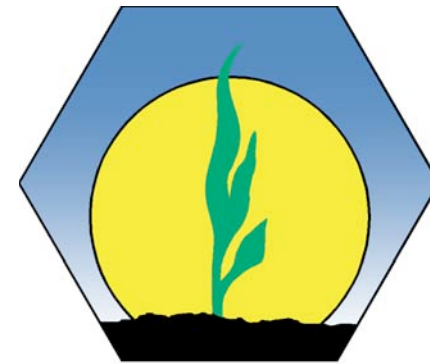


**2007 North Central Branch ASA
Annual Meeting & Conference
Indianapolis, IN
March 13-14, 2007**



American
Society of Agronomy

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**

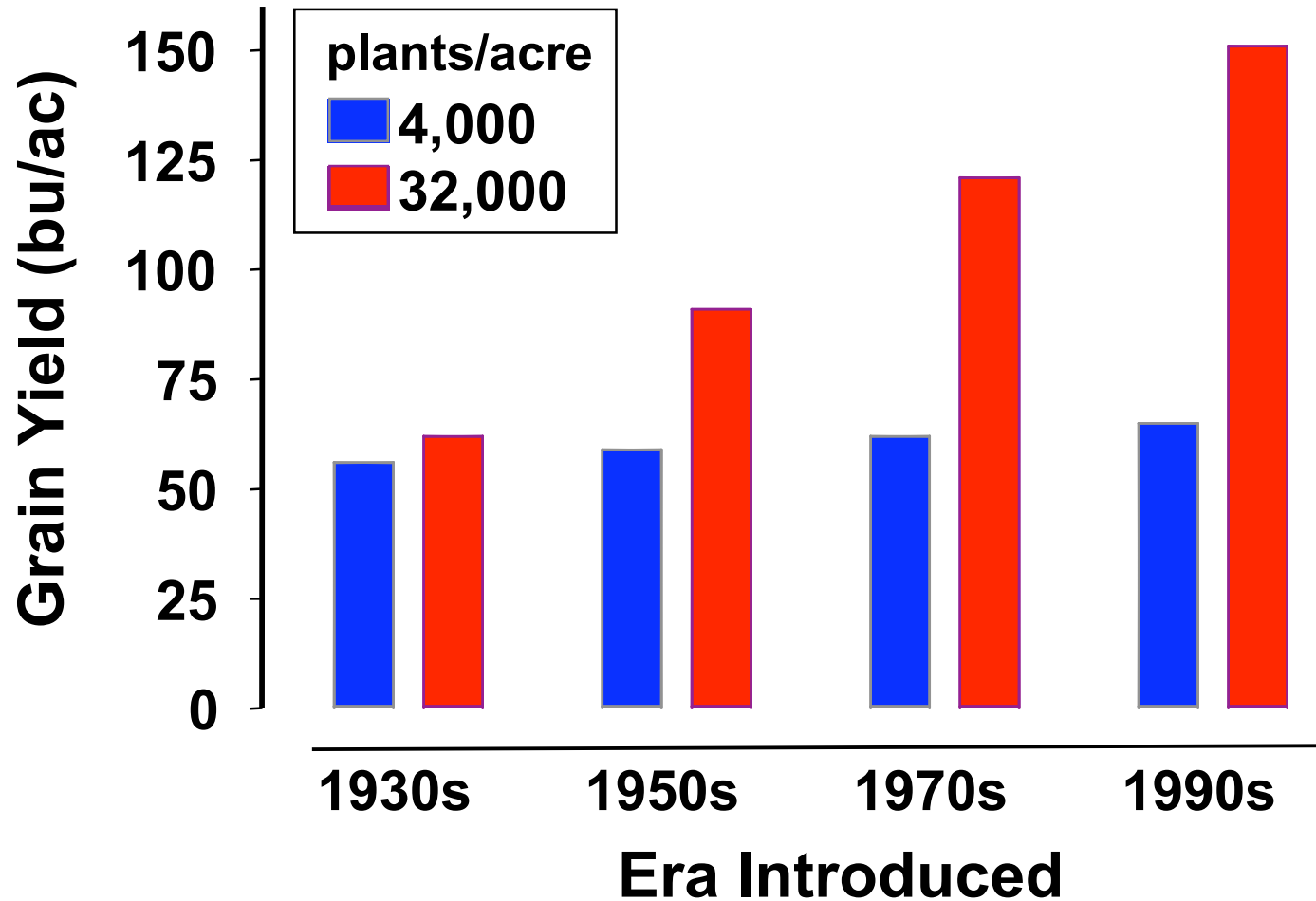
Physiological Impacts of Moderate- and High-Plant Densities in Maize

Steven R. Paszkiewicz, Ph.D.
Research Scientist
Pioneer Hi-Bred International, Inc.
Johnston, IA

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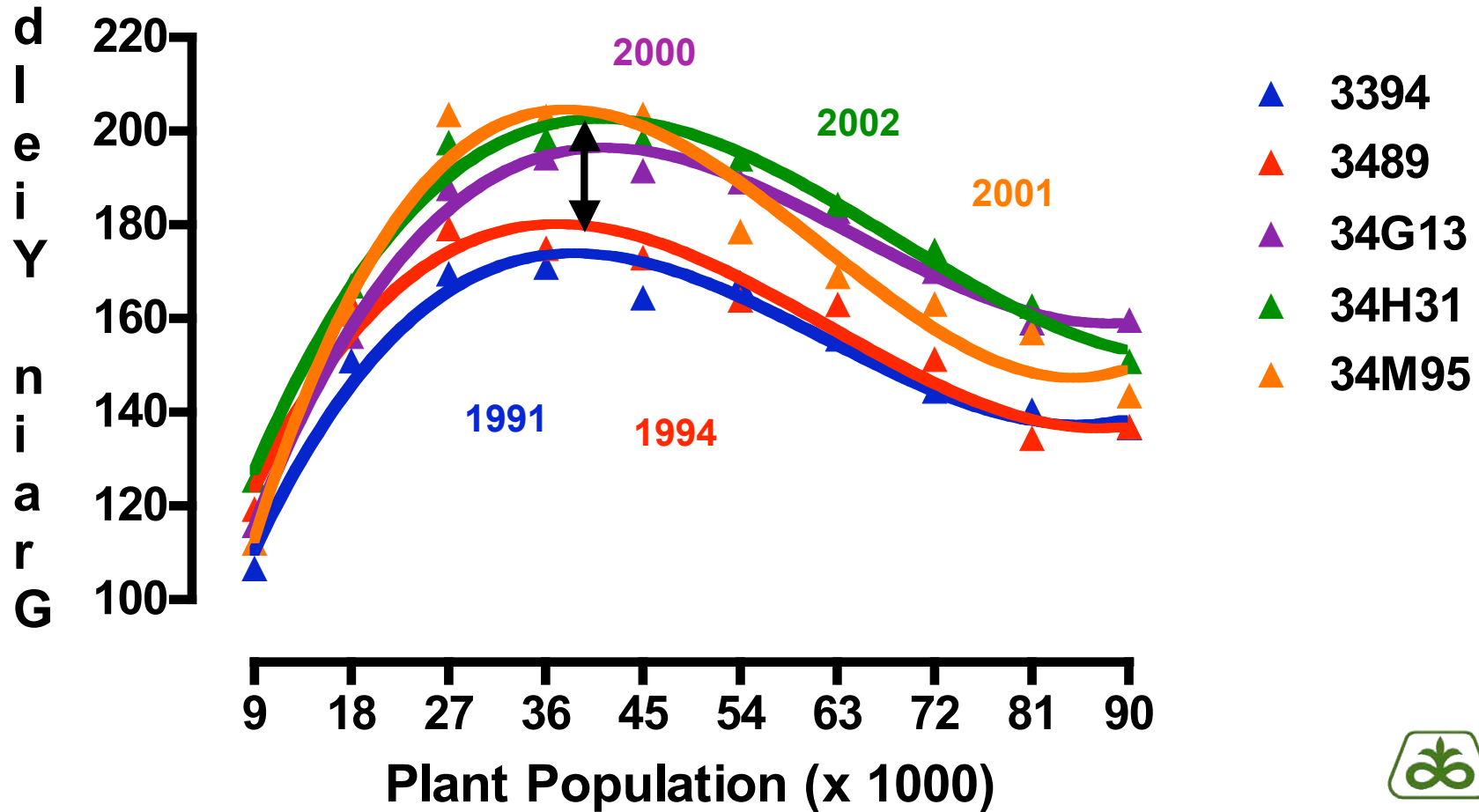
Grain yield response to low and high plant populations for hybrids from four eras of plant breeding, 2-year average (Duvick, 1993).



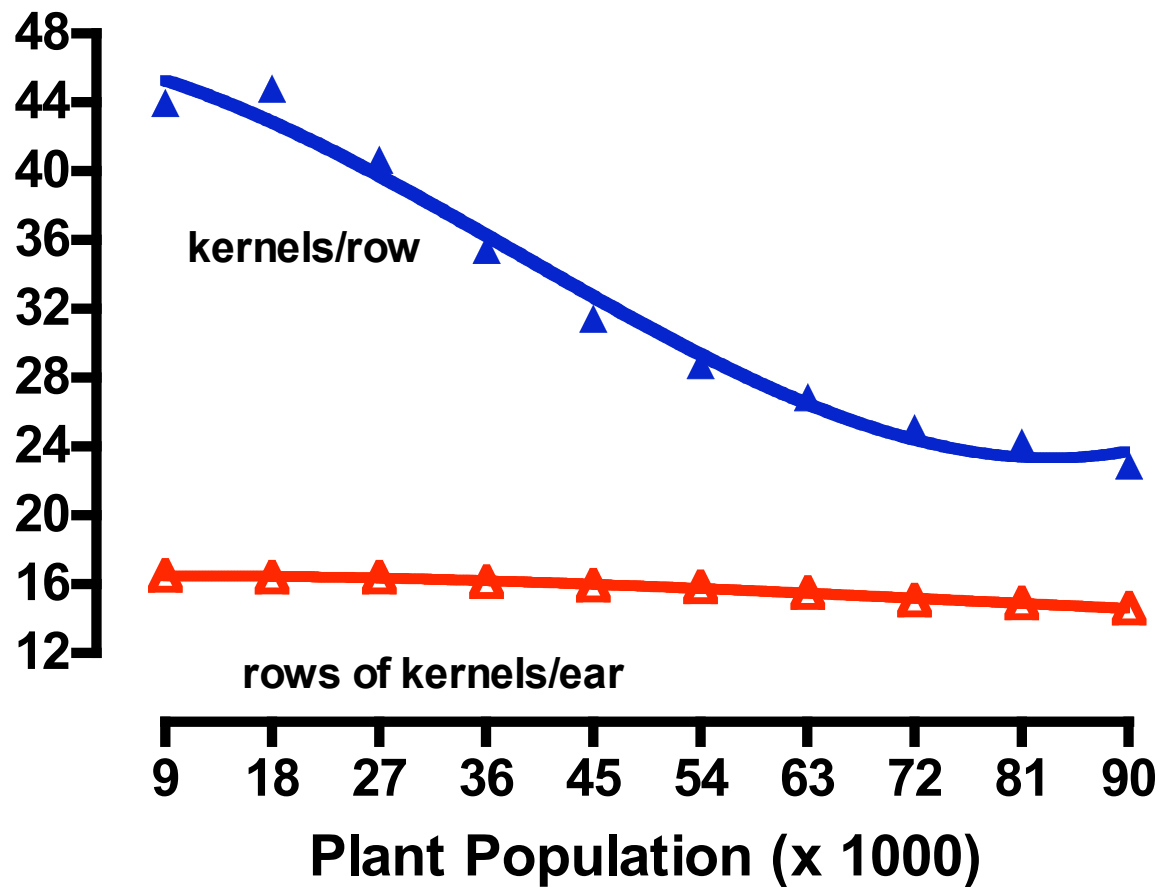
Physiological and grain yield responses to plant populations up to 90,000 plants/acre



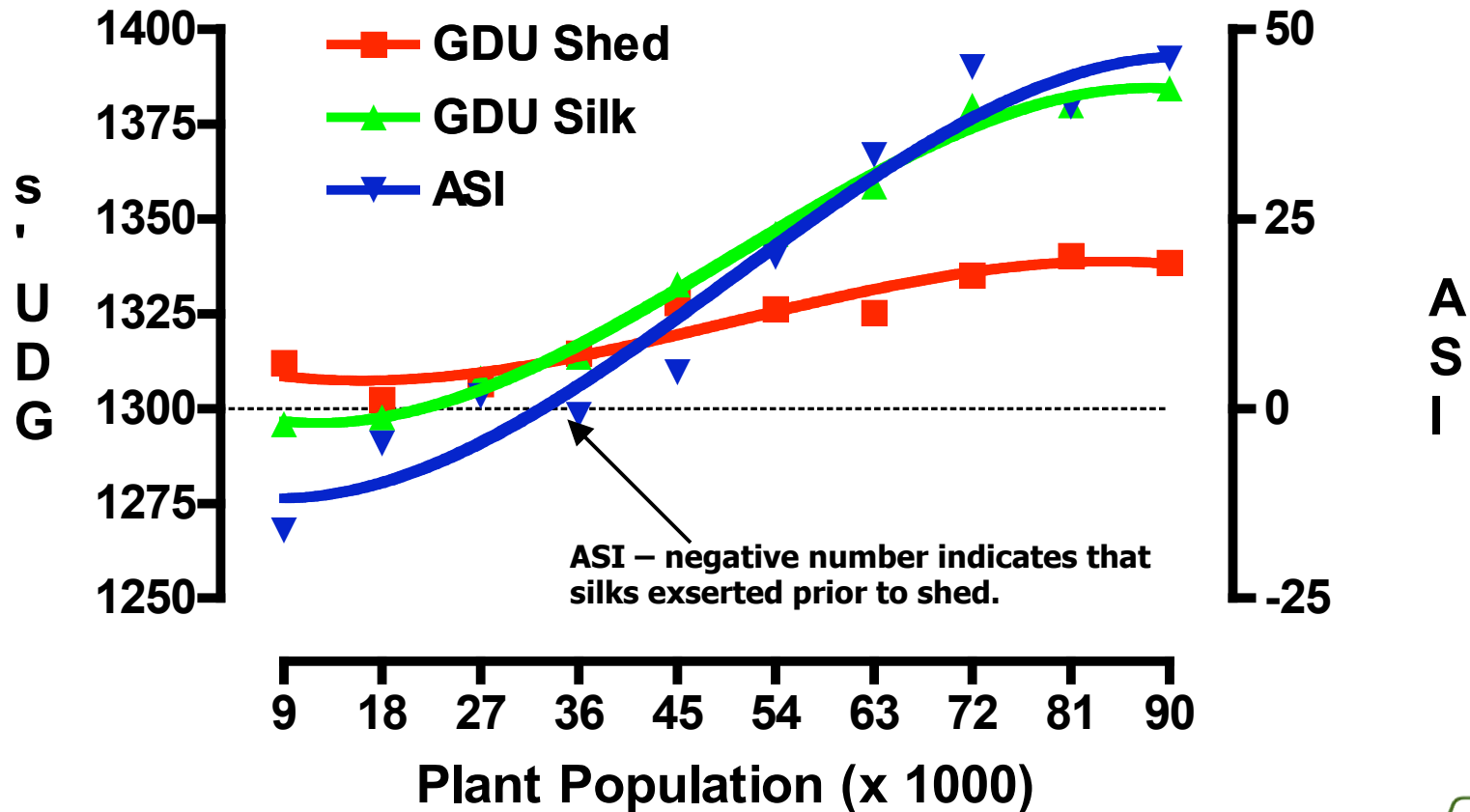
Grain yield response to plant population for 5 hybrids, 5 locations.



Kernels per row and kernel row response to plant population, 5 locations.



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



Thank You!!!

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