



HIGH-POPULATION CORN BEST MANAGEMENT PRACTICES FOR OPTIMUM OUTCOMES



STINE SEED COMPANY
ADEL, IOWA

AS STINE'S HIGH-POPULATION (HP) CORN RESEARCH EVOLVES, SO DOES OUR UNDERSTANDING OF WHAT MANAGEMENT PRACTICES ARE NEEDED TO CONSISTENTLY PRODUCE HIGHER YIELDS. CHOOSING THE RIGHT GENETICS IS JUST THE FIRST STEP TO SUCCESS. TIMING, SUFFICIENT NUTRIENTS AND APPROPRIATE PLANT POPULATIONS ALSO IMPACT THE OUTCOME AT HARVEST.

Based on Stine's multi-year research, follow these recommendations to make the most of your HP corn acres:

PLANT EARLY Delayed planting results in bigger plants and requires a hybrid suited for lower populations. The longer planting is delayed, the greater the need to adjust populations down accordingly.

CHECK SOIL DRAINAGE Water-logged or poorly drained soils will be short of oxygen. When either oxygen or water is the limiting factor in corn production, a lower population is needed.

CHECK FOR ADEQUATE NUTRIENTS Medium to high levels of phosphorus and potassium with the appropriate amount of nitrogen and sulfur applied at the proper time is essential. Most of this needs to be applied during the growing season as a sidedress or over the top application and must include the sulfur.

DETERMINE APPROPRIATE PLANTING RANGE On highly productive soils, for example, plant in the 41,000 to 51,000 range, with the high end of the range restricted to the newest short hybrids with HP genetics.

HARVEST EARLY TO REDUCE HARVESTING LOSS Getting the crop out in a timely fashion will help minimize harvesting loss due to lodging, ear loss, cylinder loss, separation loss and header loss from being too dry.

CHOOSE THE RIGHT HYBRID Perhaps the most important management decision is selecting a hybrid specifically suited for high-population planting. Stine's HP Corn hybrids are shorter than traditional hybrids and have leaves that grow upright to catch more sunlight. They feature compact structures that produce outstanding roots and stalks, ensuring a sturdier plant that thrives in high-density conditions.

HIGHER POPULATION | HIGHER PERFORMANCE | HIGHER YIELDS

STINE® HP CORN EXPECTATIONS



STINE HIGH-POPULATION CORN

FOLLOWING THESE BEST PRACTICES IN HIGH-POPULATION PLANTING COULD SUBSTANTIALLY IMPACT YIELD IN A VARIETY OF WAYS. STINE EXPECTS THAT:

3 TO 9%
YIELD GAIN

Making the switch to narrow rows with a more equal planting distance could result in yield gains of three to nine percent.

5 TO 12%
YIELD GAIN

Selecting the right hybrid with HP genetics for your field could translate to a five to 12 percent yield increase.

10 TO 20%
YIELD GAIN

Ensuring your soil has the proper nutrients, as well as timely nitrogen applications, may result in a 10 to 20 percent yield boost.



Stine's high-density corn technology is revolutionizing corn production on farms nationwide. If you're ready to maximize your fields with HP corn, contact your local Stine Seed dealer or regional sales agronomist to learn more and visit stineseed.com/hp.

