



Phosphorus was the most important nutrient in starter fertilizer for corn in a Nebraska no-till study.

Conclusion

Corn yield increase under irrigated conditions in Nebraska, especially if soil P is less than 15 ppm, is sufficient to justify application of P and maybe some N in starter fertilizer (e.g., 10-34-0 or 11-52-0) at about 10 lb P₂O₅/A. Yield increases with starter

fertilizer under dryland conditions were smaller and less frequent, but starter fertilizer use may be profitable in adequate rainfall years. In-furrow placement was more effective than over-the-row or 2x2 placement.

Based on the results of the 12 sorghum trials, we cannot recommend starter fertilizer for no-till milo (grain sorghum) at the typical planting dates used in Nebraska. Response to starter fertilizer may be greater with earlier planting dates when the soil is cooler. Three trials are continuing in 2004 with an early May planting date at adequate P sites to test the effect of in-furrow application of 10-34-0 as well as the effects of row-cleaning. [BC](#)

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Revised PowerPoint Slide Set Supplements PPI Soil Fertility Manual

A compact disk (CD) presenting concepts and illustrations from the popular *Soil Fertility Manual* is now available from PPI. The CD includes more than 390 images in PowerPoint format, following the subjects of chapters in the manual.

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Chapter 1, Concepts of Soil Fertility and Productivity; Chapter 2, Soil pH and Liming; Chapter 3, Nitrogen; Chapter 4, Phosphorus; Chapter 5, Potassium; Chapter 6, The Secondary Nutrients; Chapter 7, The Micronutrients; Chapter 8, Soil Sampling; Chapter 9, Soil Testing, Plant Analysis and Diagnostic Techniques; Chapter 10, Fertilize for Profits; Chapter 11, Plant Nutrients and the Environment.

“The content of the CD enables an instructor or someone preparing a presentation to blend in their own local images

with the general concepts and subject matter of these slides,” says Dr. Terry Roberts, PPI Vice President, Communications and Member Services. “Our hope is that the CD will be useful in many different settings to facilitate learning and better understanding of soil fertility.”

The CD (Item #82-6500) is now available for purchase at \$50.00 each (English only), plus shipping. The printed manual is sold separately. To order, contact: Circulation Department, PPI, 655 Engineering Drive, Suite 110, Norcross, GA 30092-2837. Phone (770) 825-8082; fax 770-448-0439.

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