IPNI Crop Nutrient Deficiency Photo Contest—2007

While the classic symptoms of crop nutrient deficiencies are not as common in fields as they were in the past, they do still occur. To encourage field observation and increase understanding of crop nutrient deficiencies and other conditions, the International Plant Nutrition Institute (IPNI) is sponsoring a photo contest during 2007.

"We hope this competition will appeal to practitioners working in actual production fields," said IPNI President Dr. Terry Roberts. "Researchers working under controlled plot conditions are also welcome to submit entries. We encourage crop advisers, field scouts, and others to photograph and document deficiencies in crops."

Some specific supporting information is required for all entries, including:

- The entrant's name, affiliation, and contact information.
- The crop and growth stage, location, and date of the photo.
- Supporting and verification information related to plant tissue analysis, soil test, management factors, and additional details that may be related to the deficiency.

There are four categories in the competition: Nitrogen (N), Phosphorus (P), Potassium (K), and Other. Entries are limited to one per category (one individual could have an entry in each of four categories).

Cash prize awards are offered in each of the four categories as follows:

- First place = US$150
- Second place = US$75
- Third place = US$50

Photos and supporting information can be submitted until the end of calendar year 2007 (December 31, 2007) and winners will be announced in January of 2008. Winners will be notified and results will be posted at the website.

Entries are encouraged from all regions of the world. However, entries can only be submitted electronically as high resolution digital files to the organization's website, at **>www.ipni.net/photocontest<**.

For questions or additional information, please contact:

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Shown at right are some photos as examples of deficiency symptoms. BC

Nitrogen deficiency in corn.

Phosphorus deficiency in cotton.

Potassium deficiency in soybeans.

Sulfur deficiency in canola.

in well established no-tillage systems converted from conventional tillage or natural grassland can be either 0 to 15 cm or 0 to 10 cm. Among the tested acidity indexes, pH (water) and percent base saturation were most suitable in assessing the lime criteria for soybean. Reference values from this research are lower than those currently being recommended. The lime criteria for no-tilled soils can also be quantified within short term experiments using undisturbed soil samples and soybean root growth parameters. BC

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