## Starter Fertilizer Meets Efficiency Demands

come from strategic fertility prog-tilizer, Inc. rams based on thorough soil testplacement.

mance results, starter fertilizers wet ground and although soils have taken a lead position in warm up rapidly and dry, starter placement techniques across the fertilizer can increase yields and Midwest in conservation and should be investigated as a prim-

corn yields are no accident. They agronomic services with IMC Fer-

"The trend has been toward earing and efficient fertilizer lier spring planting," he said. Even in so-called normal years, Supported by university perfor- seed corn is usually placed in cold, reduced tillage operations, said any placement technique for the progressive farming operation as

Starter K ... Vield Benefit Trial

|                | Starter IX Tield Denem 11 |                    |  |  |
|----------------|---------------------------|--------------------|--|--|
| Nitrogen       | No K,O                    | 20 lb/A banded K,O |  |  |
| lb/Å           | bu/Á                      | bu/A               |  |  |
| 0              | 72                        | 80                 |  |  |
| 75             | 128                       | 137                |  |  |
| 150            | 167                       | 182                |  |  |
| 225            | 166                       | 182                |  |  |
| 300            | 167                       | 185                |  |  |
| oil V year hig | h                         |                    |  |  |

Soil K - very high

Check

**Broadcast** 

As noted in the table, the benefits from banded potassium was and tasseling of the corn crop. greatest at the higher yield levels made possible by increasing nitrogen rates.

Kincheloe said starter fertilizer

treatments of phosphorus were and 47 bushels more grain per acre tested for early corn growth and than the untreated check plot. final yield. The starter results

MUNDELEIN, Ill.— Higher Dr. Sam Kincheloe, director of part of the total fertilization program."

> The bottom line is yield and profit when scrutinizing placement techniques. In a recent study completed by Kansas State University, the success of banding 2WD, Diesel tractor potassium in a starter fertilizatreatment, in combination with nitrogen, boosted yields as high at 18 bushels per acre during a cold, wet planting season.

| Starter Advantage       |
|-------------------------|
| bu/A                    |
| 8                       |
| 9                       |
| 15                      |
| 16                      |
| 18                      |
| Kansas State University |
|                         |

also enhances rapid, early growth demonstrated a yield gain of 24 bushels more grain per acre than In a Nebraska study, starter broadcasting the same fertilizer

Starter P -- Early Growth and Yield Trial Grain Yield **Early Growth** 10-34-0 (12-16 inch stage) 100 lb/A 1553 9.1 200 17.5 Starter (2x2) 176 15.8 164 9.2 Sidedress (early June) Soil P - low

University of Nebraska

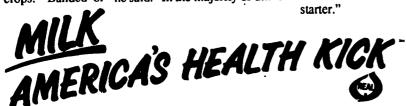
study," said Kincheloe. "But, var-

(N,K,S and Zn uniform rates)

"Many growers are content to fertilizer and in this case, 47 sphorus, in plant tissue, said produce around the check yield bushels an acre at \$2.50 com, tot- Kincheloe. In further research, level of 153 bushels as in the field als a \$117.50 of increased return." University of Wisconsin mea-Starter fertilizer not only boosts sured maturity performance beneying climatic conditions and soil yields but also hastened maturity fits of starter fertilizer with photypes don't always allow for these by lowering grain moisture at sphorus at both low and high soil kinds of yields. Therefore, yields harvest and increasing concentratest value as seen in the following can be lost by not using a starter tion of nutrient content, like pho- chart. Cold soils at planting time emphasize these effects.

|   | Starter P Maturi | 1           |                         |
|---|------------------|-------------|-------------------------|
|   | Tissue P         | Grain Yield | Grain Moisture          |
| Low soil P  |                  |             |                         |
| No P.O.   | .33              | 124         | <b>2</b> 9.9            |
| No P <sub>2</sub> O <sub>5</sub><br>70 lb/A P <sub>2</sub> O <sub>5</sub> | .50              | 158         | 27.6                    |
| (banded 2x2)  |                  |             |                         |
| High Soil P   |                  | •           |                         |
| No P.O.   | .40              | 160         | 30.5                    |
| 70 lb/A°P <sub>.</sub> O.   | .45              | 171         | 29.4                    |
| No PO<br>70 lb/A PO<br>(banded 2x2)                                       |                  |             |                         |
| •   |                  |             | University of Wisconsin |

According to Kincheloe, there starter applications have tended to sity testing, starter treatments is not much to question about the show greater efficiency when soil were also consistently superior efficiency of starter fertilizer for conditions are cool at planting," regardless of the other methods Midwest row crops. "Banded or he said. "In the majority of univer- used in combination with a



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(2) JD 820, one with cab, rubber, Styled Model D w/ turning brakes, Unstyled AR 717/222-4432

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2 Snyder Fertilizer tanks, 100/gal each John Blue squeeze pump, came off #7000 JD Planter \$600 215/932-8072

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38' N-Tech manure agitator, 120' of 30" pipe, 1/4" wall 814/395-3633

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3 point 4-wheel rake good condition, near Carlisle 717-249-5717 Eves and weekends

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Deere 3300, very nice,

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