2009-10 Nutrient Product Trial

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<table>
<thead>
<tr>
<th>Treatment</th>
<th>Pre-plant N</th>
<th>Pre-plant P (DAP)</th>
<th>Top N</th>
<th>Flag Leaf</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>80</td>
<td>100% suf</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>40</td>
<td>0</td>
<td>40</td>
<td>0</td>
</tr>
<tr>
<td>4</td>
<td>40</td>
<td>100% suf</td>
<td>40</td>
<td>0</td>
</tr>
<tr>
<td>5</td>
<td>40</td>
<td>75% suf</td>
<td>40</td>
<td>UAN</td>
</tr>
<tr>
<td>6</td>
<td>40</td>
<td>100% suf</td>
<td>40</td>
<td>UAN+ Borax</td>
</tr>
<tr>
<td>7</td>
<td>40</td>
<td>100% suf + Avail</td>
<td>40</td>
<td>0</td>
</tr>
<tr>
<td>8</td>
<td>40</td>
<td>100% suf + Avail</td>
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<td>0</td>
</tr>
<tr>
<td>9</td>
<td>40</td>
<td>75% suf + Avail</td>
<td>40</td>
<td>Nitamin</td>
</tr>
<tr>
<td>10</td>
<td>40</td>
<td>100% suf</td>
<td>40</td>
<td>Dura-N</td>
</tr>
<tr>
<td>11</td>
<td>40</td>
<td>100% suf</td>
<td>40</td>
<td>CoRon</td>
</tr>
<tr>
<td>12</td>
<td>40</td>
<td>100% Suf</td>
<td>40</td>
<td>CoRon</td>
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</table>

Nitamin 30-0-0 (10.3 lb/gal) 5.83qt = 4.5024 lbs N 25.3 ml/plot
Dura-N 26-0-0-.5 (10.2 lb/gal) 6.79 qt/ac  B=.0865725 lb/ac 29.5 ml/plot
CoRoN 25-0-0 (9.9 lb/gal) 7.276 qt/ac  31.6 ml/plot
UAN 28-0-0 (10.67lb/gal) 6.028 qt/ac.  26.0 ml/plot
Borax (20 Mule Team) 420.98 g/ac to Equal B in Dura-N 1.9 g/plot
10 gal/ac carrier Water 200 ml/plot
• Lahoma

Soil Test P = 22
100% = 40 lbs P$_2$O$_5$
75% = 30 lbs P$_2$O$_5$
100% supplies 15.5 lb N
75% supplies 11 lbs N

• LCB

Soil Test P = 30 (LCB GP)
100% = 30 lbs P$_2$O$_5$
75% = 22 lbs P$_2$O$_5$
100% supplies 12 lb N
75% supplies 9 lbs N
N Products Yld

Lahoma N treatments

100%P is 40 40 split w/ 100% P rec

LCB N treatments
N Products Protein

100%P is 40 40 split w/ 100% P rec
N product

• Results and Summary
• Yield Analysis at 90% confidence level
• Lahoma: Check significantly lower than all treatments receiving N. No difference among trts receiving some form of N.
• LCB: No response to N.
• 40/40 split with 100%P maximized Protein at all locations.
P Product (Avail)

Lahoma P treatments

Yield (bu/ac)

Treatment

0% P 100%P 75%P 100% Avail 75% Avail

LCB P treatments

Yield (bu/ac)

Treatment

0% P 100%P 75%P 100% Avail 75% Avail
• Results and Summary
• Yield Analysis at 90% confidence level
• Lahoma: No P significantly lower, no difference among treatment with P.
• LCB: No significant difference across all treatments, including the zero.
AVAIL®
For Granular Phosphate Fertilizers
Reduces Phosphate Fixation
(For Dry Products Only)

GUARANTEED MINIMUM ANALYSIS:
Malic Hexonic Copolymer........................................... 40 %

AVAIL is a NON-FOOD PRODUCT. It is not recommended for use as a fertilizer substitute.

PHYSICAL CHARACTERISTICS
Weight per gallon .................................................. 10.8
pH ........................................................................ 6 - 8

ADVANTAGES
1. AVAIL is designed for use with granular phosphate fertilizers, such as MAP, DAP and Triple SuperPhosphate to reduce phosphate fertilizer fixation.
2. AVAIL sequesters antagonistic ions such as iron, aluminum, calcium and magnesium that tie up phosphate in the soil surrounding the fertilizer, reduces tie-up of phosphate, and makes phosphate more available to the plant.
3. AVAIL increases phosphate availability through all stages of plant growth, including early development, the most crucial period for increasing yield potential.
4. AVAIL is water-soluble, biodegradable and non-toxic.
5. Undisturbed, AVAIL continues to inhibit phosphate fixation throughout the growing season.

USES
1. For agricultural use only. Refer to the AVAIL label for testing instructions and precautionary statements.
2. AVAIL is recommended for use at a rate of 1/2 gallon per short ton.
3. AVAIL coated fertilizers should be applied in the same manner and the same rate recommended for phosphate fertilizer not coated with AVAIL. For specific application rates, follow the recommendation of a qualified individual or institution, such as, but not limited to, a certified crop advisor, agronomist, university crop extension publication, or apply according to your approved nutrient management plan.
4. Do not use AVAIL for Granular Phosphates with liquid phosphate fertilizer.

AVAIL is a Registered Trademark of Specialty Fertilizer Products, 134 Cherry Hill, Belair, MD
774/AVAIL 75-3-65
CODE 25

CoRoN 25-0-0
CONTROLLED RELEASE NITROGEN
FOLIAR FERTILIZER

GUARANTEED ANALYSIS
Total Nitrogen (N) 25.00%
18.8% Granular Form
6.2% Other Water Soluble Nitrogen
Derived from urea, methylurea and methylene urea.
Chlorine (Cl), not more than 0.01%
*0.2% Slowly Available Nitrogen from methylene urea and methylurea.

KEEP OUT OF REACH OF CHILDREN
CAUTION
USE WITHIN 9 MONTHS FROM DATE OF PURCHASE
See Inside Panel For Additional Precautionary Statements

SN 0701/0008

WEIGHT PER GALLON: 10.0 lbs. (4.54 kg)
NET CONTENTS: 2.5 gals. (9.46 L) Jug
2 x 2.5 gals. (2 x 9.46 L) Case

Information about the components of this lot of fertilizer may be obtained by writing to Helena Chemical Company, 225 Schilling Boulevard, Suite 300, Collierville, TN 38017 and giving the lot number which is found on the container.
Information regarding the contents and levels of metals in this product is available on the internet at: http://www.apic.org/index.htm

F224
MANUFACTURED FOR
HELENA CHEMICAL COMPANY
225 SCHILLING BOULEVARD, SUITE 300
COLLIERVILLE, TN 38017