Premium liquid fertilizers for America’s Farmers
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Why do farmers use in-furrow starters?

- Starter is essential for quick, even emergence to help set maximum yield potential through precision placement
- Larger root systems
- Seed is put in the ground with so many variables against it (i.e., cold/wet)
- A soil test is NOT required to use a starter

Why are NACHURS in-furrow starters the BEST option?

- Seed safe
- Balanced N-P-K orthophosphate/Bio-K® formulations
- Low salt
- Non-corrosive
- True solution
- Dedicated/supportive staff
- Carrier for EDTA micronutrients and crop protection products
- Increased efficiency due to placement
- Clean, easy handling solutions
- High solubility
- Neutral pH
- Storability

About NACHURS®

NACHURS is a liquid fertilizer brand, with seven production facilities across North America and six business units that has revolutionized farming practices since 1946. NACHURS offers high quality precision-placed, seed-safe liquid starters and the latest technologies to maximize crop potential. Our technologies include: Bio-K®, Rhyzo-Link® and Aqua-Tech®. NACHURS products offer flexible applications including in-furrow, banded, fertigation, strip-till/side-dress, and foliar.
An alarming trend of declining potassium levels and lack of availability at key demand times. With the combination of higher yields, newer genetics, production practices, and decreasing potassium levels in your soil, farmers are jeopardizing stalk quality, plant health and stress tolerance which negatively affects yield potential, decreases harvest efficiency and profitability.

NACHURS innovative potassium technology Bio-K will address these costly issues. NACHURS Bio-K is a proven technology that is more efficient and readily taken up by the plant more than any other potassium source in the market today.

Farmers have used NACHURS® liquid fertilizers because it is a quality brand they can trust. NACHURS® Bio-K® products offer the latest technology advancements farmers need to take their crops to the next level.

Simple yet effective, profitable yet sustainable, Start2Finish™ is a comprehensive liquid fertilizer program to maximize your crop’s potential.
The NACHURS® Bio-K® System
for Maximizing Corn Yields

Simple yet effective, profitable yet sustainable, Start2Finish™ is a comprehensive liquid fertilizer program to maximize your crop’s potential.

five G
NACHURS® Bio-K® in-furrow

5 gal Bio-K®
MORE EARS
- Fast, uniform emergence
- More plants producing full ears
- Sets the stage for 2 more rows

two N
NACHURS® Bio-K® sidedress

2 gal Bio-K® + UAN
MORE KERNELS
- Nitrogen utilization efficiency
- Deeper roots, bigger stalks, wider leaves
- Great way to manage sulfur

one Q
NACHURS® Bio-K® foliar

1 qt NACHURS Finish Line®
MORE WEIGHT
- Promotes plant health
- Sets the stage for pollination
- Increased test weight
Simple yet effective, profitable yet sustainable.

Base In-furrow Program
5 gal/ac Options:

- **NACHURS First Down™**: The latest product development offering balanced NPK and excellent storability.
- **NACHURS imPulse®**: PFR PROVEN™ with a 3 year return of $17.67 per acre. Beck’s Practical Farm Research (PFR)®
- **NACHURS Triple Option®**: Versatile nutrition also containing sulfur.

**Additional 1 qt/ac Options:**

- **NACHURS CropMax®**: Blend of 100% EDTA chelated copper, manganese, iron, and zinc. Also contains boron and moly.
- **NACHURS® 9% Zn EDTA**: EDTA chelated zinc for the prevention and correction of micronutrient deficiency.

Base Sidedress Program
2 gal/ac:

- **NACHURS® K-fuse**: Allows for more K and S to be supplied per acre with UAN.
- **Applied with 20+ gallons UAN.**

**Additional Options:**

- **1-2 pts/ac NACHURS® 10% Boron**: Vital to the growth and development of the plant; prevents/corrects deficiency.
- **1 qt/ac NACHURS CropMax®**: Blend of 100% EDTA chelated copper, manganese, iron, and zinc. Also contains boron and moly.
- **1 qt/ac NACHURS Humi-flex®**: Soil and fertility catalyst designed to improve soil health and maximize utilization of nutrients.

Base Foliar Program
1 qt/ac:

- **NACHURS Finish Line®**: Balanced NPK plus a high concentration of zinc, manganese, copper, and boron. Formulated for maximum herbicide compatibility.

**Additional 1 gal/ac Options:**

- **NACHURS First Down™**: The latest product development offering balanced NPK and excellent storability.
- **NACHURS imPulse®**: Balanced NPK nutrition.
- **NACHURS Triple Option®**: Versatile nutrition also containing sulfur.
- **NACHURS K-fuel®**: Highest concentration of Bio-K® for growers requiring higher K levels.

*PRODUCTS MAY NOT BE AVAILABLE IN EVERY STATE.*

It is always recommended that a jar test be done when adding to other fertilizer or chemicals. Always read and follow the pesticide labels when considering tank mixing pesticides with fertilizer products.
The NACHURS® Bio-K® System for Maximizing Soybean Yields

Simple yet effective, profitable yet sustainable, Start2Finish™ is a comprehensive liquid fertilizer program to maximize your crop’s potential.

three G
NACHURS® Bio-K® in-furrow: 15”
3 gal (15” rows) Bio-K®
MORE PLANTS
• Fast, uniform emergence
• Early vigor
• Plant health

one Q
NACHURS® Bio-K® foliar
1 qt NACHURS Finish Line®
MORE PODS
• Flower initiation
• Reproductive capacity
• Plant health

one G
NACHURS® Bio-K® foliar
1 gal NACHURS® Balance®
MORE WEIGHT
• Pod fill
• Pod retention
• Plant health
Simple yet effective, profitable yet sustainable.

Base In-furrow Program
Options:
• 3 gal/ac (15” rows) NACHURS Triple Option®
  2 gal/ac (30” rows) NACHURS Triple Option®:
  Versatile nutrition also containing sulfur.

Additional 1 qt/ac Options:
• NACHURS CropMax®:
  Blend of 100% EDTA chelated copper, manganese, iron, and zinc. Also contains boron and moly.

Early Base Foliar Program
1 qt/ac:
• NACHURS Finish Line®:
  Balanced NPK plus a high concentration of zinc, manganese, copper, and boron. Formulated for maximum herbicide compatibility.

Additional 1 gal/ac Options:
• NACHURS Triple Option®:
  Versatile nutrition also containing sulfur.
• NACHURS playmaKer®:
  Balanced NPK liquid fertilizer with superior compatibility designed specifically for soybeans.
• NACHURS K-fuel®:
  Highest concentration of Bio-K® for growers requiring higher K levels.

Late Base Foliar Program
1 gal/ac:
• NACHURS® Balance®:
  Balanced NPK specifically for soybeans containing boron, cobalt, and molybdenum. Formulated for maximum herbicide compatibility.

Additional 1 qt/ac Options:
• NACHURS Finish Line®:
  Balanced NPK plus a high concentration of zinc, manganese, copper, and boron. Formulated for maximum herbicide compatibility.

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The NACHURS® Bio-K® System for Maximizing Wheat Yields

Simple yet effective, profitable yet sustainable, Start2Finish™ is a comprehensive liquid fertilizer program to maximize your crop’s potential.

**eight G**
NACHURS® Bio-K® in-furrow: 6-8”
- Better root development
- Increase in fall tillers
- Establish maximum yield potential

**two N**
NACHURS® Bio-K® topdress
- Nitrogen utilization efficiency
- Deeper roots, better stalk strength
- Manage sulfur needs

**one Q**
1 qt NACHURS Finish Line®
- Improve protein content
- Promotes plant health
- Increased test weight

8 gal Bio-K®
MORE STAND

2 gal Bio-K® + UAN
MORE TILLERS

1 qt NACHURS Finish Line®
MORE YIELD
Simple yet effective, profitable yet sustainable.

**Base In-furrow Program**
8 gal/ac Options:
- NACHURS imPulse®:
  Balanced NPK nutrition.
- NACHURS Triple Option®:
  Versatile nutrition also containing sulfur.

Additional 1 qt/ac Option:
- NACHURS CropMax®:
  Blend of 100% EDTA chelated copper, manganese, iron, and zinc. Also contains boron and moly.

**Base Topdress Program**
2 gal/ac:
- NACHURS® K-fuse:
  Allows for more K and S to be supplied per acre with UAN.
  Applied with 20+ gallons UAN.

Additional Options:
- 1 pt/ac NACHURS® 10% Boron:
  Vital to the growth and development of the plant; prevents/corrects deficiency.
- 1 qt/ac NACHURS Humi-flex®:
  Soil and fertility catalyst designed to improve soil health and maximize utilization of nutrients.
- 1 qt/ac NACHURS Finish Line®:
  Balanced NPK plus a high concentration of zinc, manganese, copper, and boron.
  Formulated for maximum herbicide compatibility.

**Base Foliar Program**
1 qt/ac:
- NACHURS Finish Line®:
  Balanced NPK plus a high concentration of zinc, manganese, copper, and boron.
  Formulated for maximum herbicide compatibility.

Additional 1 gal/ac Options:
- NACHURS N-Rage® Max:
  Balanced NPK nutrition containing the highest percentage of slow release nitrogen.
- NACHURS Triple Option®:
  Versatile nutrition also containing sulfur.

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The NACHURS® Bio-K® System for Maximizing Alfalfa Yields

Simple yet effective, profitable yet sustainable, Start2Finish™ is a comprehensive liquid fertilizer program to maximize your crop’s potential.
Simple yet effective, profitable yet sustainable.

**Base Wakeup Program**
2 gal/ac:
- **NACHURS Triple Option**: Versatile nutrition also containing sulfur.

**Additional 1 qt/ac Option:**
- **NACHURS Finish Line**: Balanced NPK plus a high concentration of zinc, manganese, copper, and boron. Formulated for maximum herbicide compatibility.

**Base Aftercuttings Program**
1 qt/ac:
- **NACHURS Finish Line**: Balanced NPK plus a high concentration of zinc, manganese, copper, and boron. Formulated for maximum herbicide compatibility.

**Additional 1 gal/ac Options:**
- **NACHURS Triple Option**: Versatile nutrition also containing sulfur.
- **NACHURS K-flex**: Offers applications of potassium and sulfur during critical growth stages.

**Base Overwintering Program**
2 gal/ac:
- **NACHURS Triple Option**: Versatile nutrition also containing sulfur.

**Additional 1 qt/ac Option:**
- **NACHURS Finish Line**: Balanced NPK plus a high concentration of zinc, manganese, copper, and boron. Formulated for maximum herbicide compatibility.

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The NACHURS® Bio-K® System
for Maximizing Cotton Yields

Simple yet effective, profitable yet sustainable, Start2Finish™ is a comprehensive liquid fertilizer program to maximize your crop’s potential.

2 gal Bio-K® MORE LINT
- Increase early season plant vigor.
- Improve early season boll set.
- Reduce crop stress.

2 gal Bio-K® + UAN BOLL RETENTION
- Improve N and S efficiency.
- Strategically placed Bio-K builds potassium levels during the vegetative growth stage, when root uptake is at its greatest.
- Stimulate beneficial soil microbes and improve overall soil health.

1 qt NACHURS Finish Line® MORE WEIGHT
- Directly supplies essential nutrients to coincide with peak demand.
- Stimulates plant roots, improving ability to take up additional nutrients from the soil.
- Improves crops ability to tolerate stress more efficiently.
- Allows for “spoon-feeding” the plant to optimize efficiency and performance.
- From Start2Finish™ the NACHURS® Bio-K® System for cotton supports boll fill, lint pounds, and lint quality.

1 gal NACHURS K-fuel® HIGHER QUALITY

bio-K®
Simple yet effective, profitable yet sustainable.

**Base In-furrow Program**
2 gal/ac Options:
- **NACHURS Triple Option**: Versatile nutrition also containing sulfur.
- **NACHURS playmaKer**: Balanced NPK liquid fertilizer with superior compatibility.

Additional 1 qt/ac Options:
- **NACHURS CropMax**: Blend of 100% EDTA chelated copper, manganese, iron, and zinc. Also contains boron and moly.

**Base Sidedress Program**
2 gal/ac:
- **NACHURS K-fuse**: Allows for more K and S to be supplied per acre with UAN.
- Applied with 20+ gallons UAN.

**Early Foliar Program**
1 qt/ac:
- **NACHURS Finish Line**: Balanced NPK plus a high concentration of zinc, manganese, copper, and boron. Formulated for maximum herbicide compatibility.

**All Season Foliar Program**
1 gal/ac:
- **NACHURS K-fuel**: Highest concentration of Bio-K® for growers requiring higher K levels.

> Additional guidelines for fertigation are available

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The NACHURS® Bio-K® System for Maximizing Potato Yields

Simple yet effective, profitable yet sustainable, Start2Finish™ is a comprehensive liquid fertilizer program to maximize your crop’s potential.

- **Better Stand**
  - Fast uniform emergence
  - Better overall stand
  - Set maximum yield potential

- **Higher Quality**
  - Improved plant health
  - Consistent size profile
  - Better fry quality

- **More Yield**
  - More energy for sizing
  - Increased tuber yields
  - Weekly from initiation to bulking

**NACHURS® Bio-K® in-furrow**
6-10 gal NACHURS® powered with Bio-K®

**NACHURS® Bio-K® foliar**
“2&Q” foliar

**NACHURS® Bio-K® foliar**
2 gal NACHURS® Bio-K®
(NACHURS Phosphorus + Bio-K® foliar)
Simple yet effective, profitable yet sustainable.

**Base In-furrow Program**
6-10 gal/ac Options:
- **NACHURS® 6-24-6**: High phosphorus for maximum tuber set.
- **NACHURS Green Flag™**: High phosphorus plus Bio-K® for maximum tuber set.
- Additional 1-2 gal/ac NACHURS K-fuel®: Highest concentration of Bio-K® for growers requiring higher K levels.

Additional 1 qt/ac Option:
- **NACHURS CropMax®**: Blend of 100% EDTA chelated copper, manganese, iron, and zinc. Also contains boron and moly.

**“2&Q” Base Foliar Program**
2 gal/ac + 1 qt/ac:
- 2 gal/ac NACHURS K-fuel®: Highest concentration of Bio-K® for growers requiring higher K levels.
- 1 qt/ac NACHURS Finish Line®: Balanced NPK plus a high concentration of zinc, manganese, copper, and boron. Formulated for maximum herbicide compatibility.

**Base Foliar Phosphorus Program**
2 gal/ac Options:
- **NACHURS imPulse®**: Good foliar phosphorus source to correct low petiole levels.
- **NACHURS First Down™**: High orthophosphate plus Bio-K® for maximum energy.
- **NACHURS Green Flag™**: Good foliar phosphorus source plus Bio-K® to correct low petiole levels.

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The NACHURS® Bio-K® System for Maximizing Sunflower Yields

Simple yet effective, profitable yet sustainable, Start2Finish™ is a comprehensive liquid fertilizer program to maximize your crop’s potential.

**five G**

*NACHURS® Bio-K® in-furrow: 30”*

- Improved emergence.
- Better stand.
- Sets stage for maximum yield potential.

**one Q**

*1 qt NACHURS Finish Line®*

- Improved plant health.
- Improves standability.
- Balances plant integrity.

**two G**

*2 gal NACHURS N-Rage® Max*

- Increased nitrogen efficiency.
- Improves standability.
- Provides late NPK nutrition.
Simple yet effective, profitable yet sustainable.

**Base In-furrow Program**
5 gals/ac:
- 5 gal/ac (30" rows) NACHURS Triple Option®:
  Versatile nutrition also containing sulfur.

**Additional 1-2 pt/ac Option:**
- NACHURS CropMax®:
  Blend of 100% EDTA chelated copper, manganese, iron, and zinc. Also contains boron and moly.

**Base In-furrow Program**
5 gals/ac:
- 5 gal/ac (30" rows) NACHURS Triple Option®:
  Versatile nutrition also containing sulfur.

**Early Base Foliar Program**
1 qt/ac:
- NACHURS Finish Line®:
  Balanced NPK plus a high concentration of zinc, manganese, copper, and boron. Formulated for maximum herbicide compatibility.

**Additional 1 gal/ac Options:**
- NACHURS Triple Option®:
  Versatile nutrition also containing sulfur.
- NACHURS K-fuel®:
  Highest concentration of Bio-K® for growers requiring higher K levels.

**Late Base Foliar Program**
2 gals/ac:
- NACHURS N-Rage® Max:
  Premium slow release nitrogen fertilizer with complete NPK. Contains highest percentage of SRN.

**Additional 1 qt/ac Option:**
- NACHURS Finish Line®:
  Balanced NPK plus a high concentration of zinc, manganese, copper, and boron. Formulated for maximum herbicide compatibility.

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It is always recommended that a jar test be done when adding to other fertilizer or chemicals. Always read and follow the pesticide labels when considering tank mixing pesticides with fertilizer products.
# NACHURS Product Reference

## Start2Finish™ Product

**Powered by NACHURS® Bio-K®**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Description</th>
<th>NUTRITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>NACHURS® Balance®</td>
<td>Balanced NPK containing boron, cobalt, and molybdenum</td>
<td>nitrogen, phosphorus, potassium, boron, cobalt, molybdenum</td>
</tr>
<tr>
<td>NACHURS® First Down™</td>
<td>Latest product development powered by Bio-K®, offering excellent storability and a boost of K</td>
<td>nitrogen, phosphorus, potassium</td>
</tr>
<tr>
<td>NACHURS® imPulse®</td>
<td>Provides corn and wheat growers quick and uniform plant emergence</td>
<td>nitrogen, phosphorus, potassium</td>
</tr>
<tr>
<td>NACHURS® Triple Option®</td>
<td>Premium NPK fertilizer with 100% orthophosphate</td>
<td>nitrogen, phosphorus, potassium, sulfur</td>
</tr>
<tr>
<td>NACHURS® Green Flag™</td>
<td>Premium green, high phosphorus liquid in-furrow fertilizer</td>
<td>nitrogen, phosphorus, potassium</td>
</tr>
<tr>
<td>NACHURS® K-flex®</td>
<td>Most versatile Bio-K® technology product available</td>
<td>potassium, sulfur</td>
</tr>
<tr>
<td>NACHURS® K-fuel®</td>
<td>Highest concentration of Bio-K® technology in the industry</td>
<td>potassium</td>
</tr>
<tr>
<td>NACHURS® K-fuse</td>
<td>Specially formulated to be blended with UAN</td>
<td>nitrogen, potassium, sulfur</td>
</tr>
<tr>
<td>NACHURS® playmaKer®</td>
<td>Premium liquid high K fertilizer with a unique analysis</td>
<td>nitrogen, phosphorus, potassium</td>
</tr>
<tr>
<td>NACHURS® Finish Line®</td>
<td>Unique micronutrient enriched premium foliar fertilizer</td>
<td>nitrogen, phosphorus, potassium, boron, copper, manganese, zinc</td>
</tr>
<tr>
<td>NACHURS® N-Rage® Max</td>
<td>A premium slow release nitrogen fertilizer</td>
<td>nitrogen, potassium, sulfur</td>
</tr>
</tbody>
</table>
### Micronutrients

<table>
<thead>
<tr>
<th>NACHURS CropMax®</th>
<th>NUTRITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>• A premium blend of micronutrients designed for soil application at planting, seeding, or sidedress</td>
<td>• boron • copper • iron • manganese • molybdenum • zinc</td>
</tr>
<tr>
<td>• Contains 100% EDTA chelated nutrients which prevents tie up with the soil and with other nutrients</td>
<td></td>
</tr>
<tr>
<td>• Designed to be used on a wide range of crops</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NACHURS® 10% Boron</th>
<th>NUTRITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Premium liquid micronutrient</td>
<td>• boron</td>
</tr>
<tr>
<td>• For the prevention and correction of micronutrient deficiency</td>
<td></td>
</tr>
<tr>
<td>• Necessary in the pollination and seed production stages</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NACHURS® 9% Zn EDTA</th>
<th>NUTRITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 100% EDTA chelated liquid nutrient</td>
<td>• zinc</td>
</tr>
<tr>
<td>• For the prevention and correction of micronutrient deficiency</td>
<td></td>
</tr>
<tr>
<td>• Necessary for seed and starch formation, and proper root development</td>
<td></td>
</tr>
</tbody>
</table>

### Special Use

<table>
<thead>
<tr>
<th>NACHURS Humi-flex®</th>
<th>NUTRITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Soil and fertility catalyst designed to improve soil health and maximize utilization of nutrients</td>
<td></td>
</tr>
<tr>
<td>• Contains humic acid, which is processed using proprietary technology</td>
<td></td>
</tr>
<tr>
<td>• Designed to be used on a wide range of crops</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NACHURS SRN®</th>
<th>NUTRITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Slow release nitrogen fertilizer</td>
<td>★ nitrogen</td>
</tr>
<tr>
<td>• Can be used as a carrier for crop protection products</td>
<td></td>
</tr>
<tr>
<td>• Safe for all crops, it enhances yields and improves overall crop quality</td>
<td></td>
</tr>
</tbody>
</table>

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