



MEARS
PRODUCTS & SERVICES



SUCCESS *FROM THE GROUND UP*

SERVING CUSTOMERS FOR OVER 50 YEARS

Mears Fertilizer, Inc. was founded in 1966 by Galen Mears in El Dorado, Kansas. It has been a family-owned business ever since. Our company has continued to expand over the years, modifying our products and services, to meet the progressive needs of our customers nationwide. We strive to provide focused, personal attention to each and every one of our distributors and dealers.

At Mears, we deliver the highest-quality products in order to maintain the industry's most exacting quality control standards.



Whether you're looking for NPK fertilizer formulations, ice melt products, or taking advantage of our on-site manufacturing services, you can count on consistent, superior products year after year.

1-800-345-9143 | 316-321-3674

WWW.MEARSINC.COM



PRODUCTS & SERVICES

- 3 ON-SITE CONVERSION
- 5 AGRICULTURAL FERTILIZER
- 7 TURF FERTILIZER
- 9 ICE MELT & DE-ICERS



50+

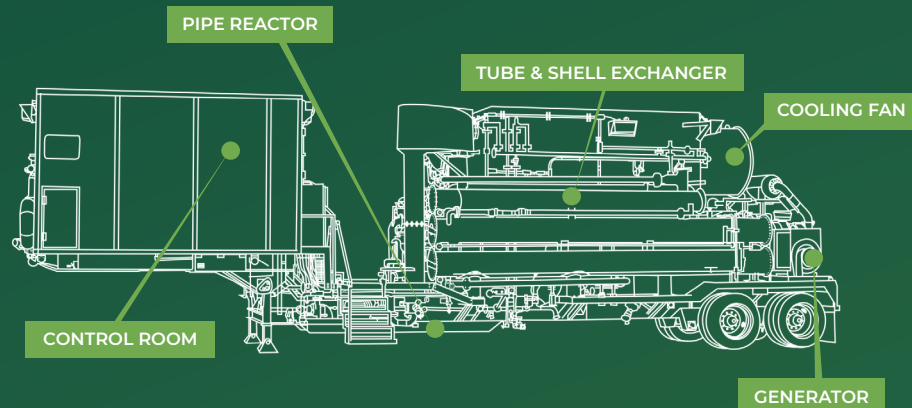
YEARS OF
ON-SITE CONVERSION
EXPERIENCE

ON-SITE CONVERSION SERVICES

Ultimate product quality and storability start with our technology and production process.

We have engineered and built our manufacturing equipment to maximize the reaction temperature of phosphoric acid and ammonia while maintaining a finished storage temperature of 85°F or less. This produces a finished product with a higher conversion factor and longer storability.

Utilizing this process, we are able to minimize the metaphosphate sludge in your tanks, resulting in maximized profits.



PIONEERS OF THE ON-SITE CONVERSION INDUSTRY

In the early years, Mears Fertilizer, Inc. operated as a fertilizer dealer. Utilizing our understanding of the fertilizer industry, we completed construction of our first portable liquid polyphosphate processing unit less than 10 years later. It was used at our terminal, as well as for limited on-site processing, for customers in three states. Within the following decade, our growing customer base required the construction of three additional processing units to meet demand.

Today, the conversion units remain a large part of our operation, making it possible for us to produce 11-37-00 and 10-34-00 liquid phosphate on-site for customers in multiple states.

You can count on Mears to provide expertly personalized solutions with unsurpassed proficiency!



EXCEEDING STANDARDS

All of our pressure testing is done in-house, utilizing a Certified Dead-Weight System (#35260-7, S/N 1141). This instrument is submitted annually to a third-party vendor for testing and certification, traceable to NIST, to secure the validity of our testing procedures.

NIST SAFETY IS OUR PRIORITY

We rigorously train every operator in the latest safety procedures and regulations. The safety of our operators, and the safety of your facility, personnel, customers, and community, are a top priority to us at Mears Fertilizer, Inc.

AGRICULTURAL FERTILIZER

THE GROUNDWORK FOR YOUR SUCCESS

Today, though we are no longer a fertilizer dealer, we have a unique understanding of the daily challenges agricultural fertilizer dealers face when providing quality products and services to their customers.

With modern process technology and ongoing innovations, we have kept up with the changes in the agricultural industry. We apply our expertise to every formulation, providing you and your customers with the best quality products and customized service you deserve.

CUSTOMIZED FORMULATIONS

As we continue to adapt to evolving market demands, we are committed to fostering strong relationships with our clients, ensuring they receive not only exceptional products but also tailored solutions that enhance their operational efficiency. While we offer a wide variety of products to fit your needs, Mears Fertilizer can also create a product tailor-made for you and your customers.

Please review our formulations at
WWW.MEARSINC.COM

NITROGEN BASED ▼

Product Name	Analysis	Type
Urea Ammonium Nitrate, UAN 28	28-00-00	Liquid
Urea Ammonium Nitrate, UAN 32	32-00-00	Liquid
Urea Triazone, SRN 25	25-00-00/5B	Liquid
Urea Triazone, SRN 50	30-00-00	Liquid
Urea Triazone, SRN 72	28-00-00	Liquid

PHOSPHATE BASED ▼

Product Name	Analysis	Type
Ammonium Polyphosphate	10-34-00	Liquid

POTASSIUM BASED ▼

Product Name	Analysis	Type
Potassium Thiosulfate	00-00-25/17S	Liquid
Sulfate of Potash, SOP	00-00-50/17S	Dry Soluble
Muriate of Potash, MOP	00-00-62	Dry Soluble

ELEMENTAL NUTRIENTS ▼

Product Name	Analysis	Type
Ammonium Thiosulfate	12-00-00/26s	Liquid
Ammonium Zinc	13-00-00/15Zn	Liquid

NPK FORMULAS ▼

Product Name	Analysis	Type
NPK Fertilizer	02-06-12	Liquid
NPK Fertilizer W/ Potassium Thiosulfate	03-11-16/10.88S	Liquid
NPK Fertilizer	04-10-10	Liquid
NPK Fertilizer	05-10-05	Liquid
NPK Fertilizer W/ Potassium Thiosulfate	06-20-10/6.8S	Liquid
NPK Fertilizer W/ Sulfur and Zinc	07-21-07/3S/.5Zn	Liquid
NPK Fertilizer	07-21-07	Liquid
NPK Fertilizer	07-22-05	Liquid
NPK Fertilizer W/ Sulfur and Zinc	08-20-05/5S/.5Zn	Liquid
NPK Fertilizer W/ Sulfur and Zinc	08-21-04/3S/.5Zn	Liquid
NPK Fertilizer W/ Potassium Thiosulfate	08-21-04/3S/1Zn	Liquid
NPK Fertilizer W/ Sulfur	09-14-05/3S	Liquid
NPK Fertilizer	09-24-03	Liquid
NPK Fertilizer W/ Sulfur and Zinc	10-20-00/9.5S/.5Zn	Liquid
NPK Fertilizer W/ Sulfur	10-20-00/5S	Liquid
NPK Fertilizer W/ Sulfur and Zinc	10-25-00/5S/.65Zn	Liquid
NPK Fertilizer W/ Sulfur and Zinc	10-27-00/4S/.5Zn	Liquid
NPK Fertilizer W/ Sulfur	10-32-00/.5Zn	Liquid
NPK Fertilizer	15-24-00	Liquid

TURF & ORNAMENTAL FERTILIZER

ORGANIC FERTILIZERS

We offer organic fertilizers that are entirely optimized to do the work for you. Whether you have a garden, greenhouse, golf course or personally owned lawn care, we have a product that will achieve your desired results, producing a full lawn or sprawling garden with beautifully nourished ornamentals.

HUMATES

If you're looking for humates, we have the answer. Humates are derived from ancient plants and animals that are long deceased. They supply carbon and are rich with organic matter, which are significant to boosting the effectiveness of the soil for your turf & ornamentals.



BALANCED NUTRIENTS

All plants are prone to disease, which are preventable with the use of fertilizers. Because soil contains irregular mineral levels, getting the right mix is important to the survival of anything you grow. By ensuring your soil contains the proper nutrients, you ensure optimum turf & ornamental productivity.

NPK FORMULAS

Take advantage each season by providing your turf & ornamentals with the proper nutrition needed to thrive. We produce NPK formulations mixed with organics to make certain your turf & ornamentals have a succulent supply of nutrients, leaving them robust and lively. Plants and lawns that utilize specialized fertilizers are more radiant, healthier, and more plentiful than those that do not.



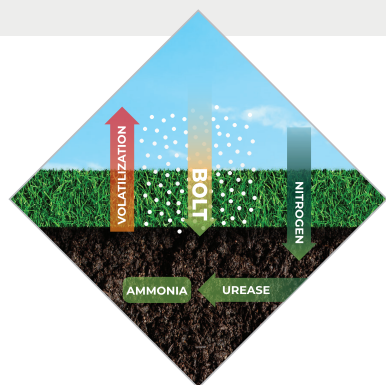
BOLT™ STABILIZED UREA

Up to 40% of your stabilized urea can be lost through Volatilization. BOLT™ stabilized urea has a positive impact on surface applied nitrogen. BOLT™ contains a urease inhibitor (NBPT) reducing atmospheric volatilization.

The urease inhibitor in BOLT™ gives urea above ground protection. This is done by inhibiting the urease enzyme that transforms the urea into an ammonia form. When urea is transformed, it is easily dispersed into the atmosphere through volatilization. BOLT™ delays this process leaving more urea nitrogen in the soil for plant uptake.

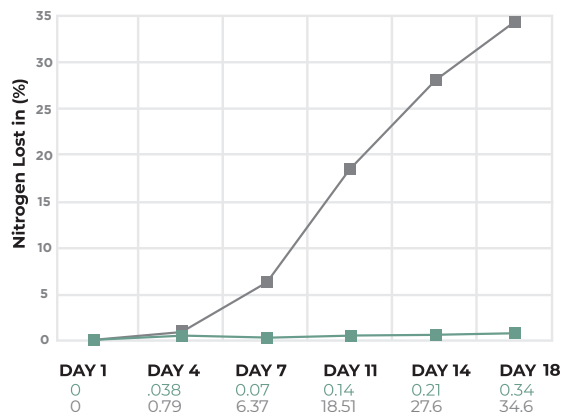
BOLT™ BENEFITS

- ✓ Slows volatilization leaving more urea nitrogen for plant uptake
- ✓ Dependable performance across varying soil conditions (e.g. pH, temperature, moisture)
- ✓ Protects your nitrogen investment
- ✓ Reduces ammonia emissions



BOLT™ RETAINED 99.6% OF IT'S NITROGEN

BOLT urea inhibitors for volatilization are recognized by the Association of American Plant Food Control Officials (AAPFCO) as a stabilized nitrogen.



BOLT™

UNTREATED UREA

REDUCED VOLATILIZATION

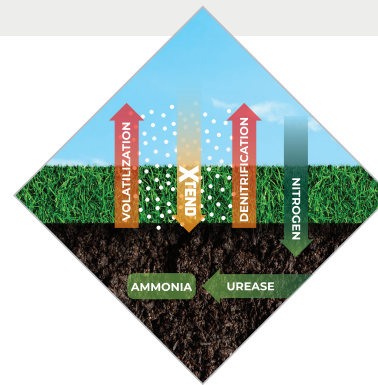
XTEND™ stabilized urea contains a urease inhibitor that protects urea nitrogen from above ground loss by reducing volatilization to the atmosphere. This is accomplished by inhibiting the urease enzyme from transforming the urea into an ammonia form, which can be easily dispersed into the atmosphere. By delaying this transformation, you will have more urea nitrogen left in the soil for plant uptake.

REDUCED NITRIFICATION

XTEND™ stabilized urea contains a nitrification inhibitor that affects the urea nitrogen cycle below the surface by slowing down the Nitrosomonas bacteria found in the soil. This slowing down effect of the Nitrosomonas bacteria blocks the conversion of urea to nitrate, thus keeping the urea nitrogen in a nonleaching form.

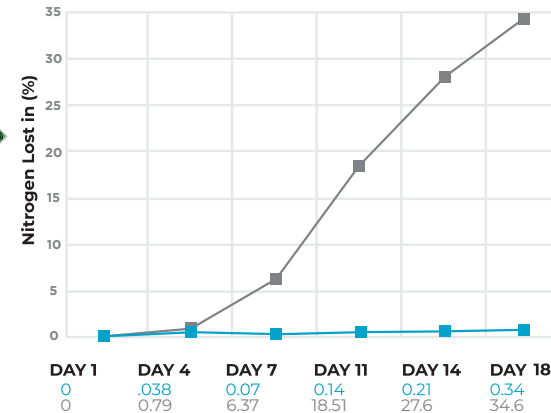
XTEND™ BENEFITS

- ✓ Above and below ground nitrogen protection
- ✓ Dependable performance across varying soil conditions
- ✓ Quick green-up and sustained color
- ✓ Virtually eliminates nitrogen loss due to mower pick-up
- ✓ Environmentally responsible with low potential for nutrient leaching, denitrification, runoff, or volatilization



XTEND™ RETAINED 99.6% OF IT'S NITROGEN

XTEND urea inhibitors for volatilization are recognized by the Association of American Plant Food Control Officials (AAPFCO) as a stabilized nitrogen.



XTEND™

UNTREATED UREA



Ca+alyst™

CA+ALYST™ GYPSUM & LIMESTONE FERTILIZERS

The Ca+alyst™ calcium family of products are enhanced with pHixate, a combination of multiple carbon base organic acids with a specialized surfactant, which will help correct and maintain soil pH for proper soil health and turf quality. The use of Ca+alyst™ enhanced calcium products will result in quicker soil and plant response with lower rates than traditional calcium products.



pHixate is an all natural organic polymer which is fully bio-degradable, non-phytotoxic, non-corrosive, and economical for use on lawn care. Ca+alyst™ enhanced calcium products are available in High Calcitic Limestone and Gypsum with 2 particle sizes to choose from, coarse and greens grade.

BENEFITS OF USING CA+ALYST™

The result of using Ca+alyst is strong, sustained and green growth.

- + Reduce fertilizer nutrients
- + Maintain a more neutral soil pH
- + Non-phytotoxic and safe to handle
- + Derived from natural carbon source
- + Open soil pores and improve flocculation
- + Reduce bicarbonates and unwanted salts
- + Stimulate soil microflora by providing a carbon source
- + Chelates micronutrients like iron to improve plant availability
- + Economical alternative carbon source for lawncare programs
- + Converts locked nutrients like calcium into forms that are more available to plants

Active Ingredients: Nitrogen (N) | Urea Nitrogen

Multiple Formulas Available

COMPARISON CHART

	MELTS DOWN TO	MELTING SPEED	CONTAINS RAM CATALYST	ENVIRONMENTALLY FRIENDLY*	COLOR ENHANCED	CORROSION INHIBITOR	CONCRETE SAFE*
Xcalibur®	-10°F	🔥🔥	✓			✓	✓
PolarKap®	-20°F	🔥🔥🔥	✓	✓		✓	✓
Plow King®	-15°F	🔥🔥🔥	✓		✓	✓	✓
Trail Blazer®	-15°F	🔥🔥🔥	✓			✓	✓
Yorkey®	0°F	🔥🔥		✓			✓
Gripmaster®	-10°F	🔥🔥	✓			✓	✓
Momentum™ (Liquid)	N/A					✓	✓
Guardian™ (Rock Salt)	-10°F	🔥					✓
Guardian™ (Potassium Chloride)	-15°F	🔥					✓

*WHEN USED AS
DIRECTED

ICE MELT & DE-ICERS

When choosing an ice melt, it is important to consider several factors. It is vital to know the **temperature range** that the ice melt will be used in. This allows for maximum performance of the ice melt. Some ice melts have **melting accelerators** added to increase melting speed and power. **Color** may also be added to some ice melts to increase visibility during application. This helps to distribute the product evenly. Be sure to read all ice melt instructions and guidelines to ensure safe and successful usage.



MELTING TEMPERATURE RANGE

Each ice melt has a temperature range where it performs best. Knowing the environment in which the ice melt will be used allows you to choose the correct product for the job.



MELTING ACCELERATORS

To increase melting speed and power, some ice melts have melting accelerators added to them. Our ice melts feature RAM CATALYST to maximize melting effectiveness.



COLOR ENHANCEMENT

Color is added to increase visibility while applying ice melt. This allows for even distribution, preventing waste from over application.



ENVIRONMENTAL SAFETY

Used according to directions, some ice melts are safe for vegetation and animals. It is important to read and follow the guidelines listed on the label.





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