

Interest List Forming For Fall 2023

WHAT IS FERTIFY?

What are the Benefits of Fertify?

Born from a common desire to supply an all-in-one fertilizer product for growers at a cost-effective price that contributes to healthier soils, came Fertify!

As such, we are proud to announce our arrival as a supplier of high quality, dry pelletized NPK sustainable fertilizers available to both organic and conventional growers.

The year 2022 saw a major spike in fertilizer prices with both urea and ammonium phosphate prices eclipsing \$1000/ton. Fertify provides growers an alternative option for their soil fertility needs.

Our focus is on complete crop nutrition with products that provided added benefits to soil health. One of our many highlights is our ability in blending specific NPK products to fit your specific crop needs. Fertify has made a strategic play in Montana by sourcing phosphate and chicken litter locally whilst constructing a manufacturing facility to service surrounding areas. Our inputs are locally sourced and as such we aren't constrained by issues with international supply chains, ensuring consistent supply of quality fertilizer. You can rely on Fertify.



FERTIFY
PREMIUM FERTILIZER

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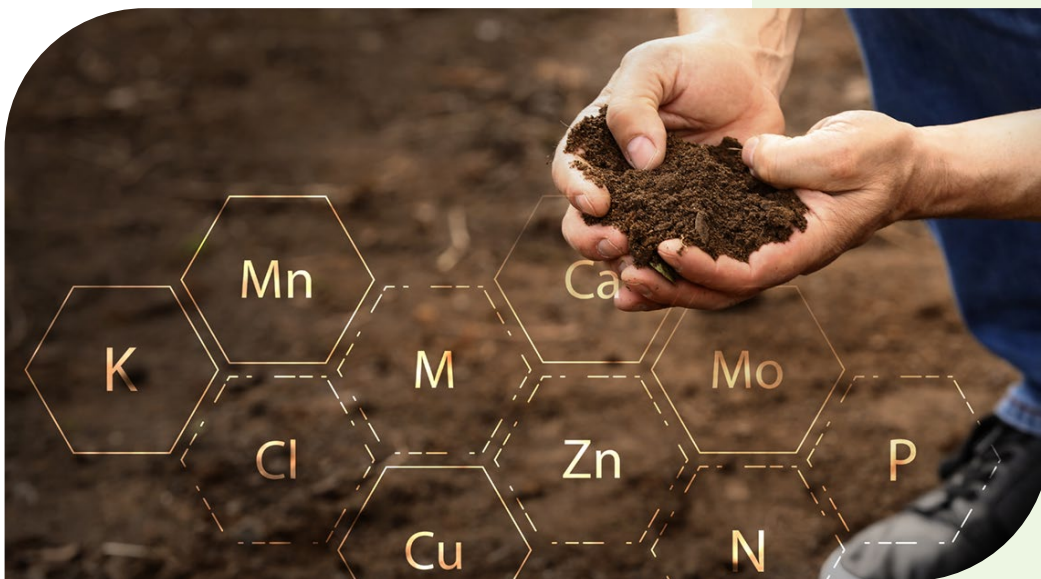


THE BENEFITS OF FERTIFY FERTILIZER

Our fertilizer is locally sourced, made with quality chicken litter combined with naturally mined Montana soft rock phosphate and sulfate of potash (SOP).

The combination of poultry litter, rock phosphate and SOP provides a variety of benefits to crops and soil. The instant release of plant-available P from the poultry litter as well as the prolonged release of P from the rock phosphate ensure plant P demands are met throughout the growing season and can help build soil P reserves over time. Chicken Litter/Soft Rock Phosphate pellets are an important source of organic matter improving soil health by increasing its water and nutrient holding capacity, structure and porosity, and microbial biomass. It contains organic nitrogen which, unlike common commercial synthetic fertilizer, is far less susceptible to leaching which allows for improved nitrogen use efficiency.

“Fertify exists to provide cost-effective, high-quality fertilizer products that improve growers' biggest assets, soil health, and yield.”



Fertify is also an excellent source of additional nutrients such as calcium, magnesium, sulfur, boron, iron, manganese, zinc, and copper. Highly concentrated calcium, not only necessary for plant growth, also plays a role in decreasing weed pressure. Silicate additives to enhance metabolism of plants and accelerate the breakdown of rock phosphate. Each product is specifically blended to match the requirement of the type of crop you are focusing on.



OUR PROCESS

Established in Kinsey, Montana, our production facility location was chosen due to its proximity to our litter and phosphate inputs, ensuring we maintain a cost-effective supply chain for our customer base.

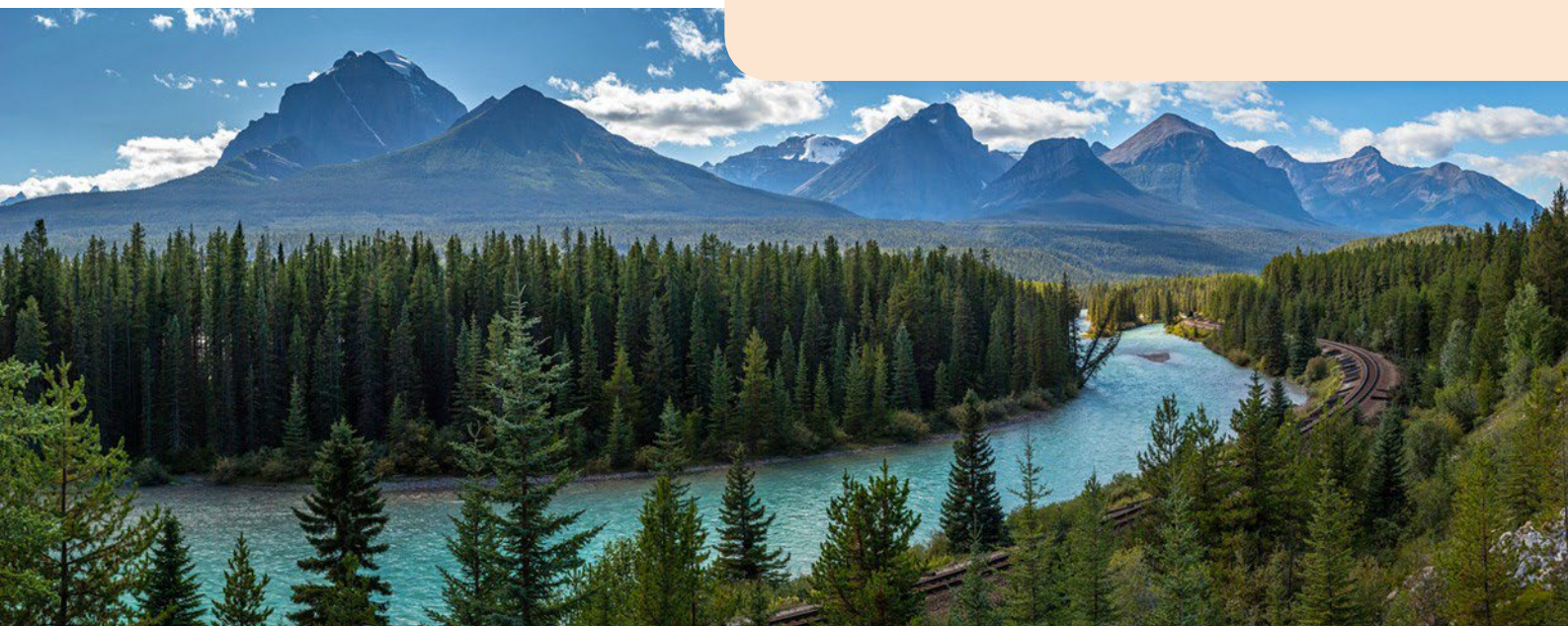
With high quality (>20% total P₂O₅), low heavy metals rock phosphate mines located in Montana, ensuring logistical costs remained low was key, as was the surety of having available product in a challenging market. The same can be said for our litter supply.

In addition to supply considerations, the history and expertise of pellet production by our team was critical. Having consulted, produced, and built such facilities before, having this process being undertaken by his watch full eye was key. Add to the fact that he's a farmer and understands the challenges and demands of everyday farming, the facility could not be better located on his doorstep.

Lastly and most importantly is the customer base we believe will benefit most from this product. With benefits to both conventional and organic growers, legumes to potatoes and dry land to irrigated, we could not have a better opportunity in and around the states of Montana!



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FERTIFY PRODUCTS

Farmers as well as key Ag Industry Associates developed Fertify Premium Fertilizer with the farmer in mind. Fertify is a conventional as well as Certified Organic fertilizer.

Fertify is a complete N-P-K fertilizer product with high levels of calcium and silica, along with other macro and micro nutrients such as sulfur, magnesium, zinc, iron, and manganese.

It is a formulated blend of Raw Chicken Litter from regional sources and Soft Rock Phosphate mined from natural deposits in Montana, which is then processed into a pellet form.

Fertify inputs are proven stand-alone fertilizer products in the conventional and organic farming sectors.



This pelleted product is easily transported by truck or rail, stored in hopper bins, or flat storage, and can be applied with standard applicators such as spinner spreaders or applied through air seeders.

Agronomically, the chicken litter component of Fertify provides readily available Nitrogen, Phosphorus, and Potassium while the soft rock phosphate component provides a natural boost in Phosphorus along with other macro and trace minerals, building reserves in the soil for future cropping cycles.

In addition to a blend of N-P-K, macro and micro nutrients, Fertify also provides an excellent source of organic matter. Fertify Premium Fertilizer provides a Low-Salt, Environmentally Friendly alternative to synthetic fertilizers.

“Fertify inputs are proven stand-alone fertilizer products in the conventional and organic farming sectors.”

In summary, Fertify is a combination of three proven fertilizer sources. We have formulated a combination of both nutrient sources based on the best attributes of each, and producing an affordable single cohesive N-P-K pellet that is easy to haul, store, and apply.



UNCERTAINTY OF THE WORLD'S FERTILIZER SUPPLY CHAIN AND GLOBAL FOOD SECURITY

Globally, farmers are suffering from fertilizer prices that reached record high levels in June this year with little relief in site. The initial triggers that caused fertilizer prices to increase dramatically since 2021 continue to remain and in some cases grow.

The ongoing war in the Ukraine continues to effect the supply of NPK fertilizer where 5.9 million tons of the 19.3M tonnes internationally came from Russia, accounting for 31%. In 2021, Russia was the largest exporter of urea, ammonia, UAN and ammonium nitrate and the third largest exporter of potash (potassium). In addition to this, Russia has now introduced quotas on the export of NPK since December 2021 and continued to extend this beyond August 2022. This same protectionist approach has occurred in China, Belarus and Turkey with respect to fertilizer, in particular phosphate, which have banned all exports of fertilizer since 2021 to ensure sufficient agricultural supply, but also for electric battery production which becomes another constraint on supply for agriculture.

With the race heating up on electric battery production, in particular the USA where the Biden administration has

provided a \$2.8B investment grant for the securing of the supply chain for electric battery production. Part of this is focused on the sourcing of rock phosphate to support the introduction of Lithium iron phosphate batteries which are significantly cheaper to produce than straight Lithium ion batteries. The amount of phosphate required to meet demand for LFP batteries is estimated to reach over 50Mtpa of 30% P2O5 by the year 2025 and expected to nearly double by the 2030 (Battery Materials Review, Feb. 2022). In addition to these supply constraints and the fact high grade rock phosphate (>30% P2O5) required for wet acid phosphoric plants is a finite resource, we still are faced with the continued increasing costs of energy, labor, and fuel to support the production of fertilizer and logistically move this around the world in most cases.

Despite the challenges ahead that we face, remember the wise words of Albert Einstein, "In the middle of difficulty lies opportunity". That opportunity is now. Looking to alternative, more sustainable ways to provide the plant nutrition that is needed whilst regenerating the soil is available. One that utilizes the benefits of the soil biology to break down the fertilizer in a cost effective and usable form, in Fertify!



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Visit our website

For more information on our premium fertilizer products and information on agriculture related topics visit us at www.fertify.net and subscribe to our newsletter and stay current on topics and developments related to organic agriculture.

Subscribe to our free monthly newsletter

Our newsletter features new topics each month to keep growers informed on what's happening in organic agriculture.

These topics range from soil fertility and organic weed control strategies to marketing and sourcing buyers of organic crops. If you wish to submit an idea for future newsletter topics, please email p.peterson@fertify.net.