**New Agricultural Products**

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Each year agricultural companies keep on introducing new products into the market, and advocate their beneficial effects on crops growth/and yields or on soil health and nutrients uptake. We have listed some of the new products with information provided on these by the producer companies/and information on internet. Opinions expressed on these products in this note are not ours!

**Accomplish MAX:**

Accomplish MAX™ is a next-generation biocatalyst that has been specifically designed to help farmers and growers achieve better crop performance and yield potential. The product is formulated with a unique blend of natural enzymes, organic acids, and biologically extracted kelp that work together to improve nutrient availability, increase crop tolerance to environmental stressors, and improve overall plant performance. Abiotic stressors such as cold temperatures, drought, and salinity can have a significant impact on crop health and productivity, but Accomplish MAX™ can help crops to better withstand these challenges and maintain their health and productivity.

One of the key features of Accomplish MAX™ is its ability to mineralize nutrients in the soil and convert them into inorganic forms that are more easily absorbed by plant roots. This helps to ensure that crops have access to the nutrients they need to grow and develop, even in challenging conditions. It can be used with most fertilizers, herbicides, fungicides, and insecticides, making it a versatile option for growers looking to improve their crop performance. Accomplish MAX™ may be obtained from:

Agricen

5601 Granite Parkway

Suite 740, Plano, TX 75024

Phone: 800-787-3724

Email: info@agricen.com

**ANVOL:**

Anvol is a nitrogen stabilizer, with dual active ingredients, Duromide and NBPT, from Koch Agronomic Services. It is designed to enhance the effectiveness of nitrogen (N) fertilizers such as urea and UAN by reducing the volatilization losses of N. Anvol works by inhibiting the enzyme urease, which is responsible for converting urea into ammonia. By slowing down the process, Anvol helps to keep nitrogen in the ammonium form, which is less likely to volatilize into the atmosphere, because it can be fixed on clay and organic matter. With two active ingredients working in tandem, ANVOL gets to work faster and provides a longer duration of protection from N loss through volatilization, thereby increasing N use efficiency and reducing the environmental impacts of the N fertilizers. To top it all off, ANVOL is low odour and reduces total labour demands with more efficient handling and lower treatment rates. It can be applied with aerial or ground application equipment and can be procured from:

Koch Fertilizers Canada ULC

701 17 St E, Brandon

MB R7A 7H2

Phone: [204-729-2900](https://www.google.ca/search?q=koch+fertilizer+canada&source=hp&ei=WdEtZKemM4-r0PEP6p-R-A4&iflsig=AOEireoAAAAAZC3fadmLCSLJZkQJpa9Ga5QF-Avw-PO8&gs_ssp=eJzj4tFP1zfMSDYyraxMKzZgtFI1qDA1SjW3NDdJSTE1TzE2NUyzMqiwNDY0NEpMS0yyMEhJNjE29xLLzk_OUEhLLSrJzMmsSi1SSE7MS0xJBABfnReW&oq=Koch+Fertilizer+Canada&gs_lcp=Cgdnd3Mtd2l6EAEYADILCC4QgAQQxwEQrwEyBQgAEIAEMgUIABCABDIGCAAQFhAeMggIABCKBRCGAzIICAAQigUQhgMyCAgAEIoFEIYDUABYAGDAK2gAcAB4AIABrQGIAa0BkgEDMC4xmAEAoAECoAEB&sclient=gws-wiz)

Email: bryce.geisel@kochind.com

**BioCoat Gold:**

BioCoat Gold is developed by Advancing Eco Agriculture (AEA), a company that specializes in soil and plant nutrition. It is a liquid seed treatment product that is applied directly to seeds before planting and is designed to improve seed germination, plant growth, and yield. It contains a blend of plant growth-promoting bacteria and fungi, along with nutrients and other beneficial ingredients that help to enhance plant growth and root development. Some of the reported benefits of using BioCoat Gold include improved emergence and plant establishment, increased nutrient uptake, and higher yields.

According to AEA, BioCoat Gold helps to create a more robust and resilient plant by improving soil health and stimulating microbial activity. The product is designed to be used in a variety of crops, including corn, soybeans, wheat, and other grains.

It is important to note that while the use of seed treatments like BioCoat Gold can be a useful tool for improving plant growth and yield, it is just one aspect of a comprehensive nutrient management strategy. Farmers should also consider other factors, such as soil health, nutrient management, and crop rotation, to ensure optimal plant growth and productivity. Contact for BioCoat is:

Phone: 800-495-6603

Email: hello@advancingecoag.com

**BIODYNE PRODUCTS:**

Biodyne USA is a company that specializes in developing and manufacturing microbial-based agricultural products. The company has launched its microbial technology in Canada through a partnership with Plant Products, a Canadian distributor of specialty horticultural products.

Biodyne's microbial technology is designed to improve soil health and promote plant growth by introducing beneficial microorganisms to the soil. The technology is based on a proprietary blend of microbes that are selected for their ability to improve soil structure, enhance nutrient availability, and promote plant growth. Biodyne has the following products:

**ReSTore** is a seed-applied biological product that is designed to promote quicker germination and more robust root growth, leading to increased early-season plant vigour.

**ReNew** is a microbial team that is applied in-furrow with water or fertilizers and works to ensure that soil and plants work together efficiently to maximize growth and productivity. It contains a diverse blend of microorganisms that can enhance plant growth by producing vitamins and hormones, releasing nutrients, and reducing stress.

**UnLeash** is a microbial bio stimulant and residue manager that is applied to the soil surface and can be mixed with herbicides, fungicides, or fertilizers. It helps to break down crop residues and supports enhanced soil bed and planting conditions.

**MeltDown** is a product that helps manage crop residues in the fall or spring by promoting the recycling of nutrients tied up within the residues. It is designed to support healthy soil conditions and reduce equipment wear and damage.

These products are claimed to offer a more sustainable and environmentally-friendly alternative to traditional fertilizers. They can be used in any crop and are part of a growing trend towards using microbial-based products in agriculture to promote healthier soils, more resilient crops, and more sustainable farming practices. Supplier’s contact is as follows;

Biodyne USA

3850 Concept Court, Suite 101

Fort Wayne, IN 46808

Phone: 888-970-0955

Email: info@biodyne-usa.com

**BIO-REVERSE:**

Bio Reverse, designed to maximize the breakdown of crop residues, is a product launched by The Andersons. It helps to improve soil health and fertility, and potentially increase crop yields in subsequent growing seasons. Bio Reverse is a biological product, made from living organisms or their byproducts, rather than synthetic chemicals. Biological products are often preferred by farmers and growers who are looking for sustainable, environmentally-friendly solutions for their crops. Bio Reverse is a flexible product that can be applied with fall herbicides, mixed with liquid fertilizers, impregnated on dry fertilizers, included in pivot irrigation, or sprayed with any other carriers that may be applied in the spring or fall.

The choice of application method may depend on factors such as the crop grown, soil type, and the overall farming or growing strategy. For example, farmers who use fall herbicides may choose to apply Bio Reverse at the same time to maximize its effectiveness. Contact for Bio Reverse is:

<https://andersonsplantnutrient.com/contact>

**HOLGANIX 800+** **Agriculture:**

Holganix Bio 800+ Agriculture is a biological soil stimulant that contains a proprietary blend of beneficial microbes, plant growth-promoting compounds, and natural soil conditioners. Holganix Bio 800+ Agriculture has the following roles to play:

**Improve soil health**: The beneficial microbes in Holganix Bio 800+ Agriculture can help improve soil structure, increase water retention, and enhance nutrient cycling. This can lead to healthier plants, better yields, and reduced reliance on synthetic fertilizers and pesticides.

**Increase plant growth**: The plant growth-promoting compounds in Holganix Bio 800+ Agriculture can help stimulate root growth, increase nutrient uptake, and enhance overall plant vigour. This can lead to faster growth, bigger yields, and better-quality crops.

**Reduce environmental impact**: By using Holganix Bio 800+ Agriculture, farmers can reduce their reliance on synthetic fertilizers and pesticides that can have negative environmental impacts. Additionally, the improved soil health and increased plant growth can lead to better carbon sequestration and reduced greenhouse gas emissions.

**Enhance crop quality**: Holganix Bio 800+ Agriculture can help enhance the flavour, colour, and nutrient content of crops. This can be particularly important for specialty crops where quality is paramount.

It can be easily applied by spraying; the spray solution should be used within 48 hours. Contact for Holganix Bio 800+ Agriculture is:

Phone: 866-563-2784.

Text: 206-647-0696.

Email: info@holganix.com

**Envita nitrogen-fixing biological**

Envita® is a nitrogen-fixing biofertility product distributed by Syngenta Canada.

Envita features a food-grade strain of the bacteria *Gluconacetobacter diazotrophicus*. The bacteria colonize the plant, forming a symbiotic relationship with the plant and ultimately grow with it over time. This provides plants with an additional source of nitrogen, supplementing the supply of nitrogen available from fertilizer treatments.

It is registered for use on a wide range of crops, including but not limited to corn, canola, cereals, soybeans, pulses, potatoes and other fruits and vegetables. Syngenta Canada states that the 2023 Performance Guarantee can give farmers an easy, risk-free way to try Envita (conditions apply).

**POLYSULPHATE:**

Polysulphate is a multi-nutrient fertilizer that is mined from underground deposits in the UK. It provides a balanced supply of four essential plant nutrients; sulphur, potassium, magnesium, and calcium. Deficiencies in any of these nutrients can lead to reduced yields, poor crop quality, and other negative impacts on crop health and productivity. Polysulphate is a low-chloride fertilizer that is water-soluble and contains no harmful heavy metals or contaminants.

Polysulphate has a low environmental impact and can be used in a variety of farming systems, including organic farming. The fertilizer is compatible with most crop protection products and can be applied as a foliar spray, in irrigation water, or as a direct application to the soil. It is low in dust, easy to handle, and does not produce an unpleasant odour. It is also non-corrosive and non-explosive, making it safe and easy to transport and handle. Polysulphate can help farmers and growers to improve crop health and productivity while minimizing their environmental impact. For supplies contact: <https://icl-growingsolutions.com/contact-office/> or call 44 123 523 9670.

**PURYIELD UREA 45-0-0**

PURYIELD UREA 45-0-0 is a granular Enhanced Efficiency Fertilizer (EEF) that consists of urea with an innovative, proprietary polymer coating. The polymer coating slows the natural processes of nitrogen conversion and volatilization, making nitrogen available to plants over a longer portion of the growing season, which improves uptake efficiency and minimizes environmental risks. It is available in different release durations according to the coating thickness, generally ranging between 30 and 90 days. It is in harmony with 4R Nutrient Stewardship practices. It is suitable for blending, with other fertilizers, and all application methods (soil or foliar application) utilized for standard urea. N in PURYIELD UREA 45-0-0 is one percent point higher than that in ESN, which shows that its polymer coating is thinner than ESN. It can be procured from:

CRF Agritech LP

263 Edward St, St Thomas

ON N5P 4A9

Phone: [226-567-4233](https://www.google.ca/search?q=crf+agritech+lp&source=hp&ei=WdEtZKemM4-r0PEP6p-R-A4&iflsig=AOEireoAAAAAZC3fadmLCSLJZkQJpa9Ga5QF-Avw-PO8&oq=AgriTech+LP&gs_lcp=Cgdnd3Mtd2l6EAEYADIGCAAQFhAeMgYIABAWEB4yCAgAEAUQHhANMggIABAFEB4QDTIICAAQBRAeEA0yCAgAEAUQHhANMggIABAFEB4QDTIICAAQBRAeEA0yCAgAEAUQHhANMggIABAFEB4QDVAAWABgzB9oAHAAeACAAYoBiAGKAZIBAzAuMZgBAKABAqABAQ&sclient=gws-wiz)

Email: dean.shantz@crfagritech.com

**SOURCE:**

Source is a product line developed by Sound Agriculture, a company that focuses on developing sustainable and natural crop solutions for farmers. Source is a natural plant-based technology that enhances crop performance and yield by improving soil health, nutrient uptake, photosynthesis, and stress tolerance. The products are made from natural plant extracts and other organic materials, and are formulated to be highly concentrated and easy to apply. These are designed to be used in conjunction with traditional fertilizers to improve plant health and yield while reducing environmental impact. Sound Agriculture offers several SOURCE products, including: SOURCE Corn, SOURCE SC and Source DC. Sound Agriculture contact is:

6401 Hollis St STE 100

Emeryville, CA 94608

Phone: [833-768-6320](https://www.google.ca/search?q=sound+agriculture&source=hp&ei=WdEtZKemM4-r0PEP6p-R-A4&iflsig=AOEireoAAAAAZC3fadmLCSLJZkQJpa9Ga5QF-Avw-PO8&gs_ssp=eJzj4tVP1zc0LLQoMbFIi88zYLRSNaiwMLAwNU8zSE5KNEk1TU02tDKoSDNPNDZMtDC1NEhNMUtLMvISLM4vzUtRSEwvykwuzSkpLUoFAAHNFoE&oq=Sound+Agriculture&gs_lcp=Cgdnd3Mtd2l6EAEYADILCC4QgAQQxwEQrwEyBQgAEIAEMgUIABCABDIFCAAQgAQyBQgAEIAEMgUIABCABDIFCAAQgAQyBQgAEIAEMgUIABCABDIFCAAQgARQAFgAYNAmaABwAHgAgAGBAYgBgQGSAQMwLjGYAQCgAQKgAQE&sclient=gws-wiz)

Email: support@sound.ag

Website: <https://www.sound.ag/source>

**Synthos:**

Synthos is a type of controlled-release fertilizer developed by Koch Agronomic Services. It is designed to provide plants with a consistent and precise supply of nutrients over an extended period of time. Synthos works by encapsulating individual fertilizer granules within a polymer coating, which gradually releases the nutrients as the coating breaks down in response to soil moisture and temperature. This slow-release mechanism provides plants with a steady supply of nutrients over a period of weeks or even months, depending on the specific formulation and application rate.

One of the key benefits of Synthos is its ability to optimize nutrient uptake efficiency, reducing the risk of leaching or volatilization and minimizing the need for frequent applications. This can help improve crop yields and overall plant health, while also reducing fertilizer costs and environmental impact.

Synthos is available in a range of formulations, including nitrogen (N), phosphorus (P), and potassium (K) blends, as well as customized blends tailored to specific crop needs and soil conditions. Synthos can be procured from:

Koch Fertilizers Canada ULC

701 17 St E, Brandon

MB R7A 7H2

Phone: [204-729-2900](https://www.google.ca/search?q=koch+fertilizer+canada&source=hp&ei=WdEtZKemM4-r0PEP6p-R-A4&iflsig=AOEireoAAAAAZC3fadmLCSLJZkQJpa9Ga5QF-Avw-PO8&gs_ssp=eJzj4tFP1zfMSDYyraxMKzZgtFI1qDA1SjW3NDdJSTE1TzE2NUyzMqiwNDY0NEpMS0yyMEhJNjE29xLLzk_OUEhLLSrJzMmsSi1SSE7MS0xJBABfnReW&oq=Koch+Fertilizer+Canada&gs_lcp=Cgdnd3Mtd2l6EAEYADILCC4QgAQQxwEQrwEyBQgAEIAEMgUIABCABDIGCAAQFhAeMggIABCKBRCGAzIICAAQigUQhgMyCAgAEIoFEIYDUABYAGDAK2gAcAB4AIABrQGIAa0BkgEDMC4xmAEAoAECoAEB&sclient=gws-wiz)

Email: bryce.geisel@kochind.com

**UTRISHA N:**

Utrisha N is a new product by Corteva AgriScience that helps crops fix nitrogen. It is a nutrient efficiency bio-stimulant that contains *methylobacterium symbioticum*, a bacterium that fixes nitrogen from the atmosphere, once it is in the plant. This provides a sustainable, alternative source of nitrogen and reduces the dependency on nitrogen uptake from the soil, ensuring the plant has access to nitrogen all season long.

Utrisha N is a foliar product that must enter the plant through the stomata and start colonizing and translocating within the plant. It can fix nitrogen in as little as a couple of days and can supply nitrogen throughout the entire crop cycle. The product is flexible in terms of timing and works best when applied to the crop early to fix nitrogen for as long as possible.

Utrisha N is compatible with many products, including InterLock by WinField United, which can improve deposition of the product onto the leaf surface. Water quality is also a consideration when using the product, and water with high chlorine content can kill the bacteria.

Field trials across Canada in 2021 showed that Utrisha N on an average improved corn yield by 2.2 bushels per acre (https://www.grainews.ca/crops/can-biological-crop-inputs-for-cereals-and-oilseeds-work/). The positive response was observed under many different management systems, from zero till to conventional, making the product flexible.

Overall, Utrisha N can be a useful tool for farmers and growers looking to improve plant health and productivity while reducing their environmental impact. Contact for Utrisha N is: corteva.ca/en/contact-us.html or 800-667-3852.

**WOLF TRAX:**

Wolf Trax is a line of micronutrient fertilizers that are designed to deliver essential micronutrients directly to the plant roots for improved uptake and utilization. The Wolf Trax micronutrient fertilizers use a proprietary DDP (Dry Dispersible Powder) technology that is designed to disperse quickly and evenly in the soil, making the micronutrients more available to the plant roots.

The Wolf Trax micronutrient fertilizers include a wide range of products, including boron, copper, iron, manganese, and zinc fertilizers. These fertilizers are designed to be applied either alone or in combination with other fertilizers, have an ability to address micronutrient deficiencies in crops and to ensure that crops have access to all of the essential micronutrients they need for healthy growth and development. Micronutrient deficiencies can lead to stunted growth, reduced yields, and other negative impacts on crop health and productivity. By providing plants with the micronutrients they need, Wolf Trax fertilizers can help to improve crop performance and maximize yield potential.

The company is committed to ongoing research and development to ensure that their products continue to deliver the best possible results for farmers and growers around the world. Wolf Trax can be obtained from:

Koch Fertilizers Canada ULC

701 17 St E, Brandon

MB R7A 7H2

Phone: [204-729-2900](https://www.google.ca/search?q=koch+fertilizer+canada&source=hp&ei=WdEtZKemM4-r0PEP6p-R-A4&iflsig=AOEireoAAAAAZC3fadmLCSLJZkQJpa9Ga5QF-Avw-PO8&gs_ssp=eJzj4tFP1zfMSDYyraxMKzZgtFI1qDA1SjW3NDdJSTE1TzE2NUyzMqiwNDY0NEpMS0yyMEhJNjE29xLLzk_OUEhLLSrJzMmsSi1SSE7MS0xJBABfnReW&oq=Koch+Fertilizer+Canada&gs_lcp=Cgdnd3Mtd2l6EAEYADILCC4QgAQQxwEQrwEyBQgAEIAEMgUIABCABDIGCAAQFhAeMggIABCKBRCGAzIICAAQigUQhgMyCAgAEIoFEIYDUABYAGDAK2gAcAB4AIABrQGIAa0BkgEDMC4xmAEAoAECoAEB&sclient=gws-wiz)

Email: bryce.geisel@kochind.com

Farmers should not use these products on a large scale unless these products are tested and recommended by the third parties such as Provincial or Federal Research facilities including the universities. However, farmers at their own can test these products in a smaller crop area and if found good, can start using these products on a large scale. We are testing Anvol and Holganix 800+ Agriculture in winter cereals and would be testing Holganix 800+ Agriculture in spring crops (wheat, barley, canola and soybean) and PURYIELD UREA 45-0-0 in canola and winter wheat this year. We will, as usual, share our research results with you.

*All the Best for Season 2023! May you have bumper crops with bin bursting yields!*

*Also published at: http://tbfarminfo.org/new-agricultural-products-vani-sahnan-and-tarlok-singh-sahota-intern-and-director-luars-thunder-bay/*