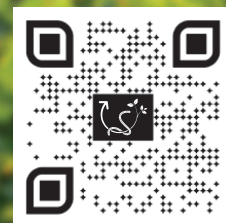


ANNE MAXX AG



ANNELIDA SOIL SOLUTIONS

BUILDING HEALTHY SOIL



1-833-603-SOIL (7645)
WWW.ANNELIDA.CA

ANNE MAXX AG

BENEFITS

- **PROVEN PERFORMANCE ACROSS DIFFERENT GROWING CONDITIONS**

(Grower Replicated Field Scale Plot Trials; Independent 3rd Party - Replicated Small Plot Trials; Collaboration Trials).

- **PROTECT GROWERS' INVESTMENT – MAXIMIZES SYNTHETIC FERTILIZER EFFICIENCY**

- Building long-term soil health status
- Unlocking nutrients that are tied up in the soil

- **DIFFERENTIATION IN THE MARKET - RICH NUTRITIONAL STATUS AND SIGNIFICANT BIODIVERSITY IN OUR PREMIUM PRODUCTS**

- AnneMaxx Ag products not only stimulate and feed existing soil microbiome, but also increase population and diversity of the microbial community.

- **REGENERATIVE AGRICULTURE-FOCUSED. NO RISK OF PLANT TOXICITY**

- **INCREASE SOIL ORGANIC MATTER AND CARBON CONTENT IN THE SOIL**

- **IMPROVE SOIL STRUCTURE AND WATER HOLDING CAPACITY**

- **HELP NEUTRALIZE ACIDIC AND ALKALINE SOILS**

- **BOOST ROOT GROWTH, PLANT VIGOR AND TILLERING**

- **OPTIMIZE NUTRIENT DENSITY AND IMPROVES NUTRIENT UPTAKE**

- **SERVE AS A CATALYST IN THE STUBBLE BREAKDOWN PROCESS**

- **PROMOTE BETTER GRAIN QUALITY (BUSHEL WEIGHT, PROTEIN, DENSITY, COLOUR)**



Iron Scavenging



Phosphorus Solubilizing



Plant Hormone Producing



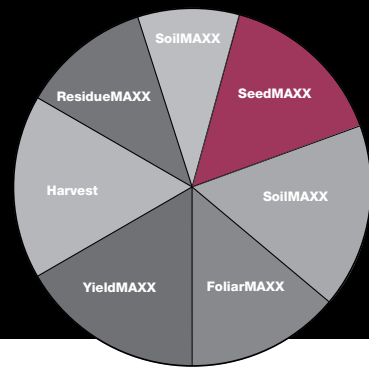
Nitrogen Fixing



Nutrient Cycling

ANNEMAXX RHYZ

Seed Enhancer



PRODUCT OVERVIEW

A 2-part seed enhancer treatment that once mixed and applied to the seed, gives the seed the absolute best source of diverse microbes, bacteria, humic acid, metabolites, plant hormones and growth promoting factors, as well as trace NPK plus micronutrients

FEATURES & BENEFITS

- Increases vigor, accelerates germination and enhances nutrient availability to the plant
- Aids in disease suppression
- Promotes root, vegetative growth and higher stress tolerance
- Designed to maximize seed potential and promote healthy roots
- Works on All Seeds and Crop types, as well as a root/transplant dip. If using on polymer or coated seeds like Canola, consult your local rep.

APPLICATION

- Start with water, then mix in **Advantage** (MA1 microbial base) and **NUTRABOOST** last, top up with remaining water.
- Timing: 100L if going back into the bin
500L if going straight to the seed drill
- A 20L kit (2 x 10L) treats 500-600 acres of seed (1200-1500 bushels) at an approximate rate of 2.5 - 3 bushels/acre

Available as a kit,
2 x 10L jugs



LEFT:
Conventional Seed Treatment

RIGHT:
ANNEMAXX RHYZ
Seed Treatment (AMS)

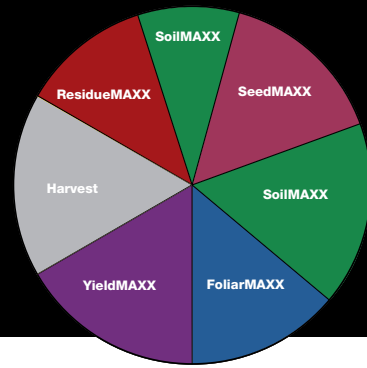
Crop - Wheat. Seeded May 13, 2021.
Sampled May 24, 2021 Leduc County, AB



*Storage & Handling: Keep out of direct sunlight, in a cool dry place. Do not freeze.
For additional information please reference the formal product SDS.

ANNEMAXX

ADVANTAGE (MA1)



PRODUCT OVERVIEW

Annemaxx Advantage (MA1) is extracted from our proprietary worm castings containing robust and diverse concentration of beneficial microbes, that are proven to benefit plant and soil health. It is rich in organic forms of nutrients and enhances soil structure/texture, quality, and richness of colour. It stimulates microbial activity, contributes to a reduction in disease and insect pressure, nutrient cycling in soil and improves the soil food web.

APPLICATION GUIDELINES

Advantage (MA1) is part 1 of a 2 part system with all AnneMaxx programs. This is the dormant biology product that when paired with the specific food source/fertility product, does a specific job.

All products applied in the SoilMaxx and SeedMaxx phase, we are inoculating the soil with the dormant biology Advantage MA1, and waking it up and providing a foodsource/fertility product to sustain it (**Enhance MA2, Enhance Plus MA3, Enhance Organic MA4, Zyme MA5**). These are mixed at a 3:1 ratio with **Advantage MA1**. Any Foliar applied products in the FoliarMaxx and YieldMaxx phase (**BioMaxx MA6, Premier Gro 10-10-10, MicroMaxx micros**) are applied at a 1:1 ratio with the **Advantage (MA1)**. Always dilute a rate of 2-4L of combined AnneMaxx product in 40-60L of water for foliar application, and if combined with other liquid fertility products in-furrow, always add the AnneMaxx blend last, and ensure it is applied within 12-24 hours. **DO NOT MIX and STORE.**

GUARANTEED ANALYSIS

Total Nitrogen (N)	0.12%
Phosphoric Acid (P ₂ O ₅)	0.06%
Soluble Potash (K ₂ O).....	0.08%
Calcium (Ca).....	1.00%

FEATURES & BENEFITS

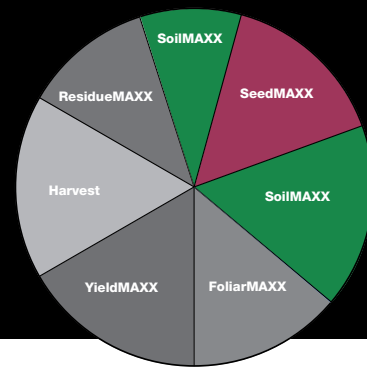
- Compatible with most nutrient and fertilizer programs
- Shelf life - 9 months (minimum)
Up to 3 years if stored cool/dark
- Provides essential nutrients and microbial diversity
- Decreases the harmful effect of pests and diseases
- Improves cation exchange capacity

Available in 1000L Totes and 20L Pails



*Storage & Handling: Keep out of direct sunlight, in a cool dry place. Do not freeze. For additional information please reference the formal product SDS.

ANNEMAXX ENHANCE (MA2)



PRODUCT OVERVIEW

Annemaxx Enhance (MA2) is a unique 4-4-4 product with amino acids, bioactive peptides, complexed phosphorous and potash that is bio available. Soil superfood focused on balanced nutrient efficiency

APPLICATION GUIDELINES

- Apply at early season in-furrow or in-crop foliar application timing
- This product best suited for forages, turf grasses, hay and pasture land
- **Enhance** is approved for use in broadacre and other crops
- Compatible with most products for foliar applications. A jar test is recommended prior to application
- For best results, this product is designed to be mixed with Advantage at time of application or up to 48 hrs prior

In-furrow

- Mix **Advantage (MA1)** with **Enhance (MA2)** to a 3:1 ratio. Dilute a rate of 2-3L of combined products to 40-60 L/acre

Foliar application

- Mix **Advantage (MA1)** with **Enhance (MA2)** to a 3:1 ratio. Dilute a rate of 2-3L of combined products to 40-60 L/acre
- Always recommended to pre-condition your water for pH and hardness. **Optimize Plus** or **Micro** are an excellent tool for this.

GUARANTEED ANALYSIS

Total Nitrogen (N)	4.00%
Phosphoric Acid (P ₂ O ₅)	4.00%
Soluble Potash (K ₂ O).....	4.00%

FEATURES & BENEFITS

- It contains 4% humic acid and two different types of seaweed extracts which provide cytokinins (plant growth hormones)
- Compatible with any biologically-active product
- Increases the microbial population in a target
- Excellent food source for beneficial bacteria and fungi

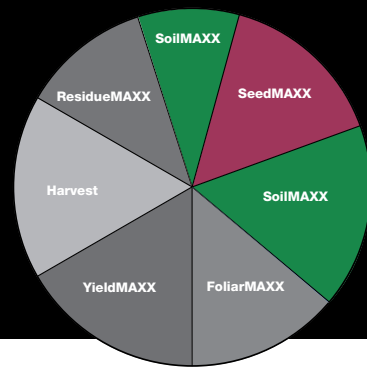


Available in 20L Pails
and 1000L Totes

*Storage & Handling: Keep out of direct sunlight, in a cool dry place. Do not freeze. For additional information please reference the formal product SDS.

ANNEMAXX

ENHANCE PLUS (MA3)



PRODUCT OVERVIEW

Annemaxx Enhance Plus is our unique “Enhanced” 3-6-3 product with amino acids, phosphoric acids, bio-peptides, amino acid complex potash, and plant growth hormones. Soil superfood focusing on Phos efficiency. Stimulates and feeds phos-solubilizing bacteria in your soil.

APPLICATION GUIDELINES

- Apply at early season in-furrow or in-crop foliar application timing
- Crops - Canola, Pulse crops, Cereals, Potato, Orchard crops, Corn, Forages and Turf Grasses
- **Enhance Plus** is for use in broadacre and other crops. CFIA registration applied for
- Compatible with most products for foliar applications. A jar test is recommended prior to application
- For best results, this product is designed to be mixed with Advantage at time of application or up to 48 hrs prior

In-furrow

- Mix **Advantage (MA1)** with **Enhance Plus** to a 3:1 ratio. Dilute a rate of 2-3L of combined products to 40-60 L/acre

Foliar application

- Mix **Advantage (MA1)** with **Enhance Plus** to a 3:1 ratio. Dilute a rate of 2-3L of combined products to 40-60 L/acre
- Always recommended to pre-condition your water for pH and hardness. **Optimize Plus** or **Micro** are an excellent tool for this.

GUARANTEED ANALYSIS

Total Nitrogen (N)	3.00%
Phosphoric Acid (P ₂ O ₅)	6.00%
Soluble Potash (K ₂ O).....	3.00%

FEATURES & BENEFITS

- Contains activated compounds that help to reduce crop stress
- Specially formulated to promote increased flowering and budding
- Activates phosphorus-solubilizing bacteria from Advantage (Premium Microbial Blend), enabling phosphate absorption into plants
- Excellent food source for beneficial bacteria and fungi

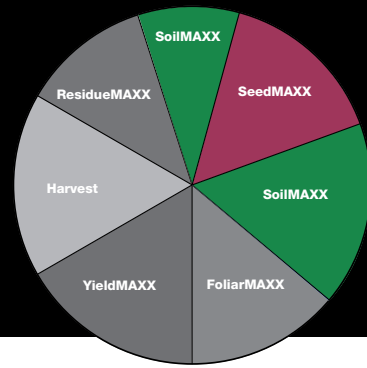
Available in 20L Pails
and 1000L Totes



*Storage & Handling: Keep out of direct sunlight, in a cool dry place. Do not freeze. For additional information please reference the formal product SDS.

ANNEMaxx

ENHANCE ORGANIC (MA4)



PRODUCT OVERVIEW

AnneMaxx Enhance Organic (MA4) contains a proprietary blend of Amino acids and Kelp extracts combined with the power of Humic acids. The product is used to stimulate microbial activity in the soil. By providing a source of organic carbon and nutrients, these substances can support a diverse and active microbial community, which in turn contributes to soil fertility and plant health.

APPLICATION GUIDELINES

- Apply at early season in-furrow or in-crop foliar application timing
- Crops - Canola, Pulse crops, Cereals, Potato, Orchard crops, Corn, Forages and Turf Grasses
- Enhance Organic is a product for use in broadacre and other crops. CFIA registration applied for
- Compatible with most products for foliar applications. A jar test is recommended prior to application
- For best results, this product is designed to be mixed with Advantage at time of application or up to 48 hrs prior

In-furrow

- Mix Advantage (MA1) with Enhance Organic to a 3:1 ratio. Dilute a rate of 2-3L of combined products to 40-60 L/acre

Foliar application

- Mix Advantage (MA1) with Enhance Organic to a 3:1 ratio. Dilute a rate of 2-3L of combined products to 40-60 L/acre
- Always recommended to pre-condition your water for pH and hardness.

GUARANTEED ANALYSIS

Total Nitrogen (N)	3.00%
Phosphoric Acid (P ₂ O ₅)	0.00%
Soluble Potash (K ₂ O).....	3.00%

FEATURES & BENEFITS

- It contains 4% humic acid and two different types of seaweed extracts which provide cytokinins (plant growth hormones)
- Compatible with any biologically-active product
- Increases the microbial population in a target
- Excellent food source for beneficial bacteria and fungi

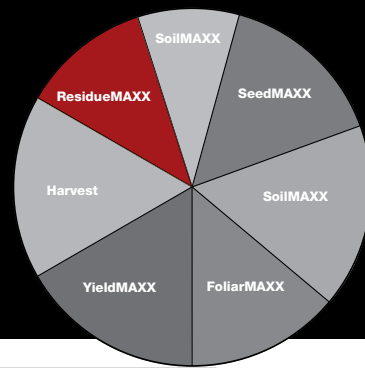
Available in 1000L Totes and 20L Pails



*Storage & Handling: Keep out of direct sunlight, in a cool dry place. Do not freeze. For additional information please reference the formal product SDS.



ANNE MAXX ZYME (MA5)



PRODUCT OVERVIEW

Introducing ZYME, the key product in our RESIDUEMAXX fall program, a powerful patented blend of bacteria and fungi and uniquely designed food source designed to break down organic matter. Effective fall residue management is crucial for next year's crop success, as poor decomposition can hinder plant growth.

ZYME is an all-natural biological stimulant that accelerates the breakdown of crop residue, turning it into valuable humic and fulvic materials. This process boosts soil biomass, improves nitrogen availability, reduces disease risks, and strengthens overall plant health.

The pairing of the biology with a unique food source/fertilizer concentrate, applied in the fall, stimulates growth of the fungi and bacteria that decompose the straw, chaff, thatch, etc well into the late fall/winter, and are the first active species under the snow in the early spring.

APPLICATION

ZYME is water soluble and easy to apply in the fall with a post harvest weed control pass, or on its own.

ZYME is a blend comprised of 3L Advantage (MA1) combined with 1L of Zyme (MA5), added to the spray solution and sprayed at a total of 10-15 gallons of water or combined product.

GUARANTEED ANALYSIS

Total Nitrogen (N)	3.00%
Total Phosphorous (P ₂ O ₅).....	2.00%
Total Potash (K ₂ O).....	2.00%

KEY BENEFITS

- Stimulates soil microbes
- Speeds up residue decomposition
- Enhances nutrient recycling
- Promotes soil and plant health
- Safe, chemical-free, and long-lasting

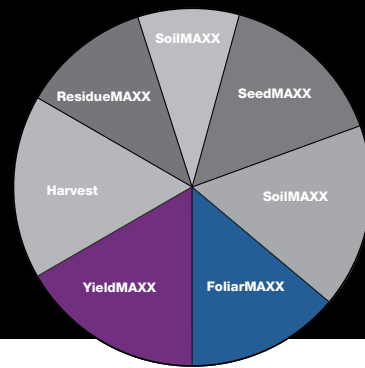


Available in 1000L Totes

*Storage & Handling: Keep out of direct sunlight, in a cool dry place. Do not freeze.
For additional information please reference the formal product SDS.

ANNEMAXX

BIOMAXX (MA6)



PRODUCT OVERVIEW

Unlock the full potential of your crops with **ANNEMAXX BIOMAXX 12-4-3**, a powerhouse foliar blend. Enriched with bio-stimulant peptides, amino acids, low ammonia nitrogen, fortified phosphorus, potassium acetate with low salt index, it nurtures robust growth and abundant yields, making it the ultimate choice for elevating your agricultural success.

APPLICATION GUIDES

Apply at herbicide and fungicide time as foliar application timing.

Crops - Canola, Pulse crops, Cereals, Potato, Orchard crops, Corn, Forages, turf.

Compatible with most products for foliar applications, A jar test is recommended prior to application. For best results this product is designed to be mixed with **Advantage MA1** at time of application or up to 48 hours prior.

Foliar application

- Mix **Advantage (MA1)** with **BioMaxx (MA6)** at a 1:1 ratio dilute 2-4L of combined product to 40-60 L/acre.
- Always recommended to pre-condition your water for pH and hardness.



GUARANTEED ANALYSIS

Total Nitrogen	12.00%
Available phosphoric Acid.....	4.00%
Potassium	3.00%

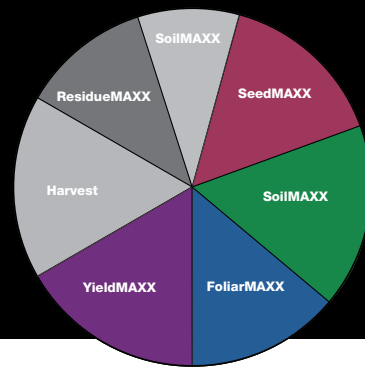
FEATURES & BENEFITS

- Pairing with **Advantage (MA1)**, our patented worm powered biological product that opens stomata & stimulates nutrient mobility
- **BioMaxx** is designed to be used to fill the "Hidden hunger" of the plants which cannot be noticed until it's too late
- Premium foliar fertilizer, used around the 7-8 leaf stage
- Best practice used after **AnneMaxx SoilMaxx**
- Recommend alongside **AnneMaxx MicroMaxx Package** if a tissue sample has come back with a deficiency
- Can Replace a Farmers UAN/Foliar N application
- 30% organic nutrients

Available in 10L jugs
and 1000L totes

*Storage & Handling: Keep out of direct sunlight, in a cool dry place. Do not freeze.
For additional information please reference the formal product SDS.

MICROMAXX B-Mo-Zn



PRODUCT FEATURE

MICROMAXX B-Mo-Zn is a water-soluble micronutrient blend chelated by Amino Acids. MicroMaxx B-Mo-Zn is intended for use as a plant nutrient supplement for the correction of micronutrient deficiencies.

SOIL APPLICATION

Apply MicroMaxx B-Mo-Zn as a liquid spray, liquid injection, or through drip irrigation.

FOLIAR APPLICATION

Apply MicroMaxx B-Mo-Zn after irrigation or rainfall along with a non-ionic surfactant. Spraying should be carried out in ideal conditions. Early morning or late afternoon applications are best. Spray 100 to 200ml (3.5 – 7.0 Oz) of MicroMaxx B-Mo-Zn per acre based on plant tissue test or follow the recommendation by your AnneMaxx agronomist.

GUARANTEED ANALYSIS

Boron.....	2.50%
Molybdenum	0.50%
Zinc	5.00%
Total Amino Acids	5.00%

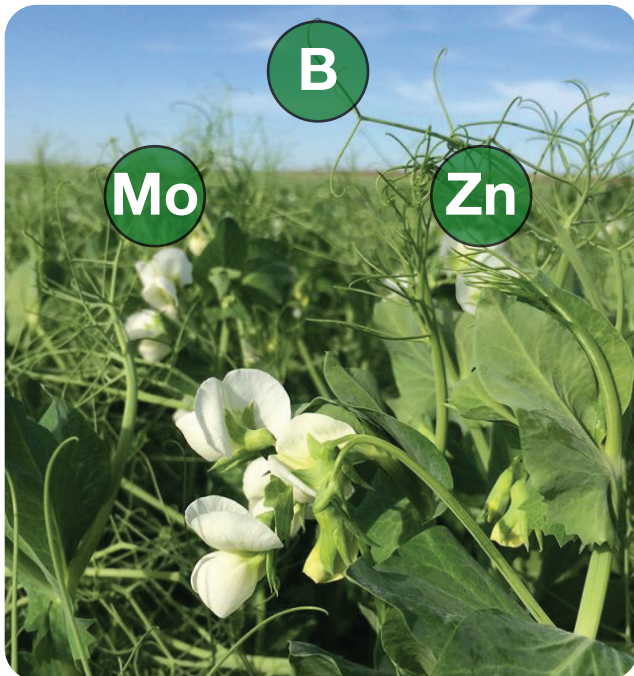
Contains Soy

WHAT IS IT:

Intended for use as a plant nutrient supplement for the correction of micronutrient deficiencies.

WHERE TO USE:

Flowering crops like canola, mustard, peas, lentils, beans, forages, need Bo for proper pollination, Mo to complete nodulation, and zinc in for efficient metabolism. Any crop grown in soils deficient or when plants cannot access adequate micronutrients.

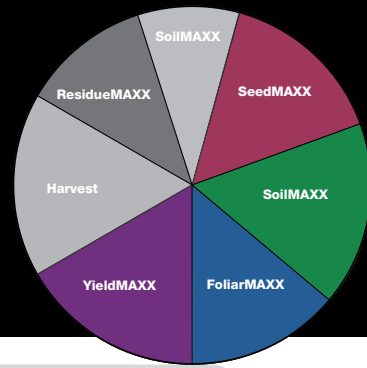


Available in 10L Jugs

**New product offering
for MicroMaxx
Micronutrient
packages.**

*Storage & Handling: Keep out of direct sunlight, in a cool dry place. Do not freeze. For additional information please reference the formal product SDS.

MICROMAXX Cu-Mn-Zn



PRODUCT FEATURE

MICROMAXX Cu-Mn-Zn is a water-soluble micronutrient blend chelated by Amino Acids. MicroMaxx Cu-Mn-Zn is intended for use as a plant nutrient supplement for the correction of micronutrient deficiencies.

SOIL APPLICATION

Apply MicroMaxx Cu-Mn-Zn as a liquid spray, liquid injection, or through drip irrigation.

FOLIAR APPLICATION

Apply MicroMaxx Cu-Mn-Zn after irrigation or rainfall along with a non-ionic surfactant. Spraying should be carried out in ideal conditions. Early morning or late afternoon applications are best. Spray 100 to 200ml (3.5 – 7.0 Oz) of MicroMaxx Cu-Mn-Zn per acre based on plant tissue test or follow the recommendation by your AnneMaxx agronomist.

GUARANTEED ANALYSIS

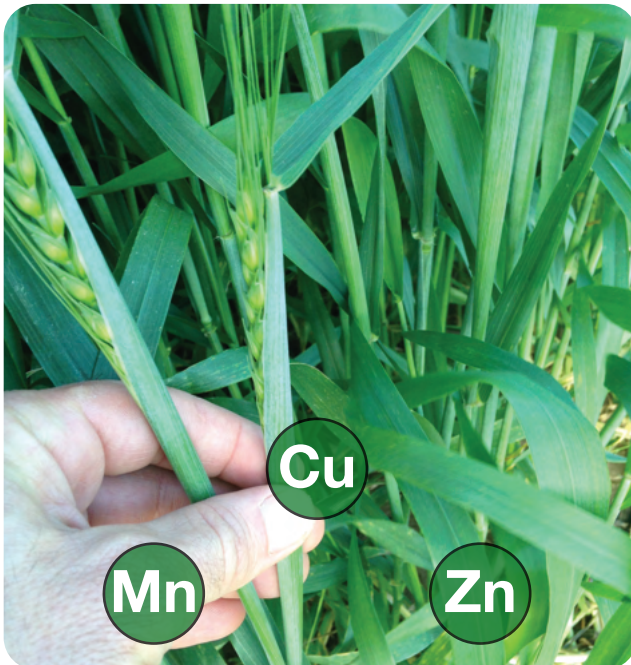
Copper.....	2.50%
Manganese	2.50%
Zinc	2.50%
Total Amino Acids	5.00%
<i>Contains Soy</i>	

WHAT IS IT:

Intended for use as a plant nutrient supplement for the correction of micronutrient deficiencies.

WHERE TO USE:

Cereals specifically are high users of all three Cu, Mn, Zn. Any crop grown in soils deficient or when plants cannot access adequate micronutrients.

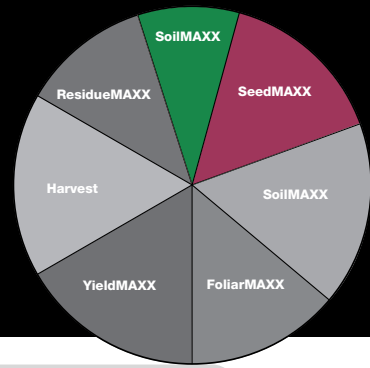


Available in 10L Jugs

**New product offering
for MicroMaxx
Micronutrient
packages.**

*Storage & Handling: Keep out of direct sunlight, in a cool dry place. Do not freeze. For additional information please reference the formal product SDS.

ANNEMAXX BIOME (AMGR)



PRODUCT OVERVIEW

Annemaxx Biome (AMGR) is a very diverse special blend of concentrated microbes, bacteria, fungi and organic matter that complements any fertilizer program. This contains Premium Annelida Worm Castings.

FEATURES & BENEFITS

- Unmatched beneficial biodiversity
- Contains growth hormones and microbes that work in symbiosis with plants and their root system
- Improves seed germination. Enhances seedling growth and development
- Enhances water retention in soil. Aids in reducing erosion
- Reduces weed growth. Inhibits root disease development and pest incidence as soil gets healthier and biologically balanced
- Increases crop yield and fruit set

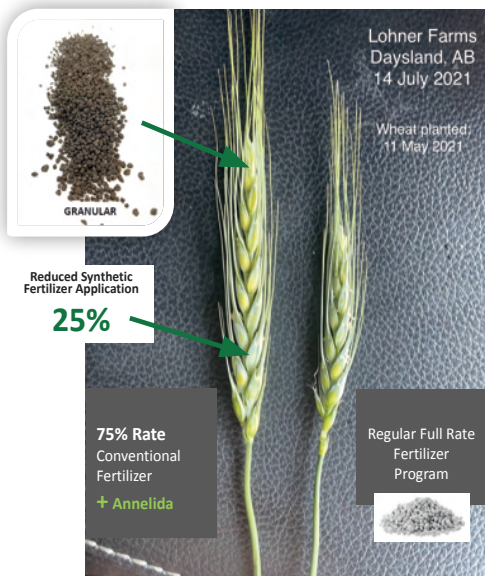
APPLICATION

- Apply at early season in-furrow or broadcast in-crop
- Crops - Canola, Pulse crops, Cereals, Potato, Orchard crops, Corn and Forages
- **Annemaxx Biome (AMGR)** is a registered product with CFIA and approved for use in broadacre and other crops
- Application rates: 15-50 lbs per acre (Note: Reduce inputs accordingly)
- Low dust product, but like any granular product, will breakdown with excessive handling. Please wear a dust mask when handling

ACTIVE INGREDIENTS

Premium worm castings, Humates, Calcium and T Carbon (Biochar)

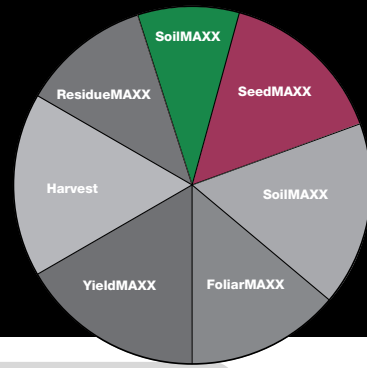
Available in 44lb or, 1 Tonne bags



*Storage & Handling: Keep out of direct sunlight, in a cool dry place. For additional information please reference the formal product SDS.

ANNEMAXX BLOOM

Pulse / Canola



PRODUCT OVERVIEW

AnneMaxx Bloom is an ORGANIC 4-9-1 fertilizer consisting of Annelida Premium Worm Castings granulated with an ALL-NATURAL blend of hydrolyzed proteins, amino acids, with a bumped micronized rock phosphate content. The higher Phosphate in **AnneMaxx Bloom** accommodates that required by flowering crops. This is an excellent full-season product that compliments all AnneMaxx Ag products.

FEATURES & BENEFITS

- Fast acting easy flow granules that are approved for organic use
- Adds usable organic as a soil food source with no risk of leaching
- Contains no salt
- Readily available organic Nitrogen, Phosphorous and Potassium
- Improves root growth and nutrient uptake
- Increases flower retention and branching
- Maintains plant energy and improves yield

GUARANTEED MINIMUM ANALYSIS

Total Nitrogen (N) 4.00%
 Total Phosphorous (P₂O₅)..... 9.00%
 Total Potash (K₂O) 1.00%

Contains Annelida Premium Worm Castings

APPLICATION GUIDELINES

ideally placed with seed in the seed row. Can also be broadcast, spin-spread, or floated on.

- Application rates: 20-50 lbs per acre

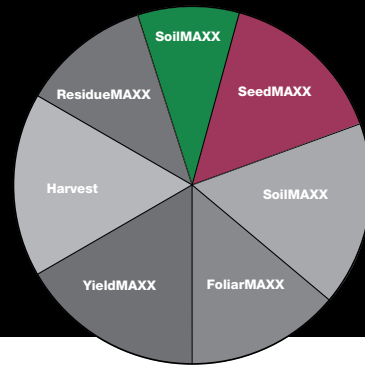


Available in 44lb or, 1 Tonne bags



*Storage & Handling: Keep out of direct sunlight, in a cool dry place. For additional information please reference the formal product SDS.

ANNEMAXX GROW Cereal



PRODUCT OVERVIEW

AnneMaxx Grow is an ORGANIC 6-3-2 fertilizer consisting of Annelida Premium Worm Castings granulated with an ALL-NATURAL blend of hydrolyzed proteins and amino acids. This is very synergistic product that compliments all AnneMaxx Ag products.

FEATURES & BENEFITS

- Slow release and easy flow granules Approved for organic use
- Contains no salt and adds organic matter to the soil
- Contains organic and inorganic acids in a pH buffer matrix
- Feeds the soil microbiome throughout the growing season. Unlike manures and synthetic fertilizers, **AnneMaxx Grow** does NOT leach or volatilize
- Improves soil biology around the rhizosphere
- Increases vegetative growth and yield

GUARANTEED MINIMUM ANALYSIS

Total Nitrogen (N) 6.00%
Total Phosphorous (P₂O₅)..... 3.00%
Total Potash (K₂O)..... 2.00%

Contains Annelida Premium Worm Castings

APPLICATION GUIDELINES

Ideally placed with seed in the seed row. Can also be broadcast, spin-spread, or floated on.

- Application rates: 20-50 lbs per acre

Available in 44lb or 1 Tonne bags



*Storage & Handling: Keep out of direct sunlight, in a cool dry place.
For additional information please reference the formal product SDS.

2024 Grower Trials

Grown the Annelida way

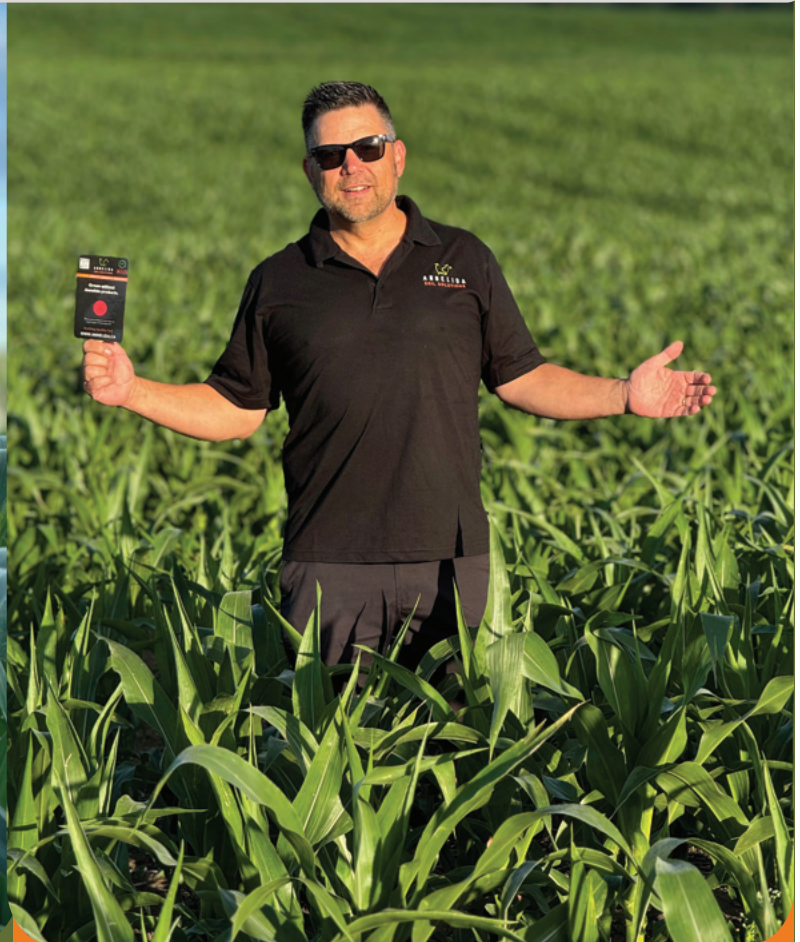
VS

Conventional Farming Method

Planted the same day, by the same farmer in the neighbouring fields.



60% Fertilizer Reduction
using the Annelida
SoilMaxx liquid &
AnneMaxx Biome



Corn grown with traditional
fertilizer practices.



Toll Free 1-833-603-SOIL (7645)



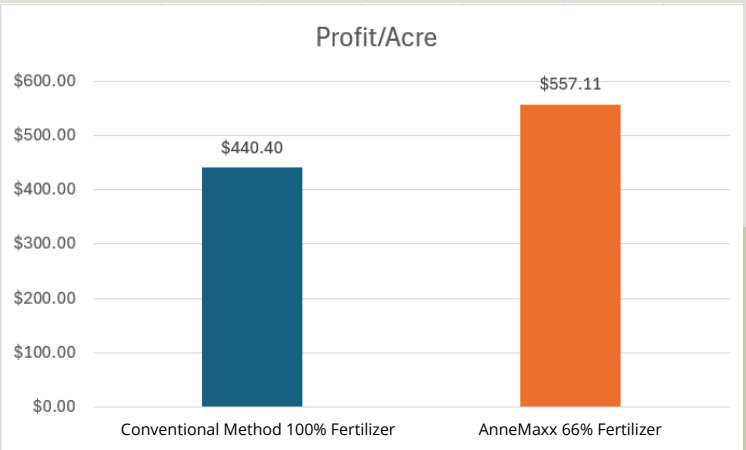
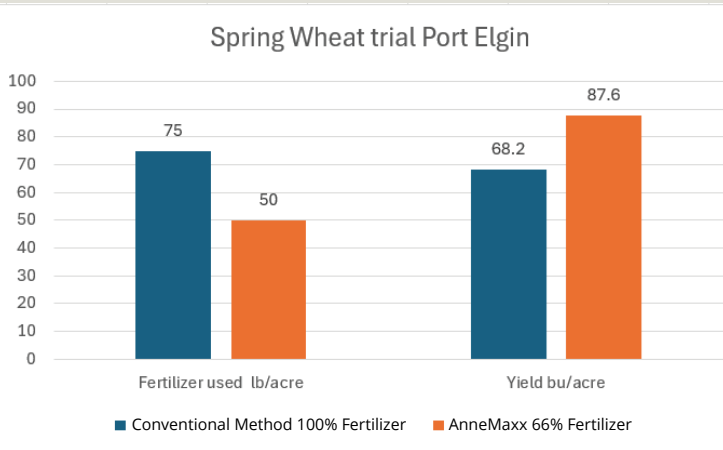
Visit Our Website
www.annelida.ca



Annelida Soil Solutions

Spring Wheat Trial 2024

		Tillage System:		Conservation: No-Till									
		City: Port Elgin		Soil Texture:		Clay Loam		Std. Moisture:		14.50%			
		Province: Ontario		Test Type:				Irrigation Used:					
				Plot Crop:		Wheat		Residual Fertility:					
		Row Width (in):		7.5		ECB Pressure:							
		Row Depth (in):				TSA #:							
		Pesticide Product:		Crop Stage:									
		Infinity FX											
Planting Date:		May 18 2024		Set Comments:									
Harvest Date:		23-Aug-24		95-25-60-20 Broadcast N stabilized with Excellis max									
Seed Brand		11.4%P		Hybrid:		Raven							
Entry #	Harv. Plot Width	Harv. Plot Length (ft)	Plot Entry Comments:	Test Weight (lbs/bu)	Harvest Moisture (%)	Plot Wt. (lbs)	Acre Factor	Yield (bu/acre)	Yield Rank	Revenue (\$/acre)	Cost per acre	Profit Per Acre	
1	61	438	60lbs Mesz/15lbs SOP	59.9	15	2570	0.613	68.2	2	\$477.60	37.2	\$440.40	
2	63	344	40lb mesz/10lb SOP + 25lb Biome	61.1	15.4	2690	0.498	87.6	1	\$613.39	56.28	\$557.11	



- Location: Port Elgin
- Products Used: AnneMaxx Biome
- Fertilizer Reduction: **33%**
- Yield Increase: **29%**
- Profit Increase: **26.5%**
- **ROI - 7X**

This trial showed the use of these products lowered the dependency on conventional fertilizer while significantly improving the functionality of their soil.

Visit Our Website
WWW.ANNELIDA.CA

Toll Free 1-833-603-SOIL (7645)

GROWER REPLICATED FIELD SCALE PLOT TRIALS 2022

BARRHEAD, AB. (Wheat Trial)



Seeding date: May 31



Variety: CDC Rush

2 Treatments:

Treatment 1: **AnneMaxx (MA1 + MA3) + 100% synthetic fertilizer rate**

Treatment 2: **AnneMaxx (MA1 + MA3) + 25% less synthetic fertilizer rate**

Control: Grower traditional standard

3 Replicates:



July 14



August 24

Results:

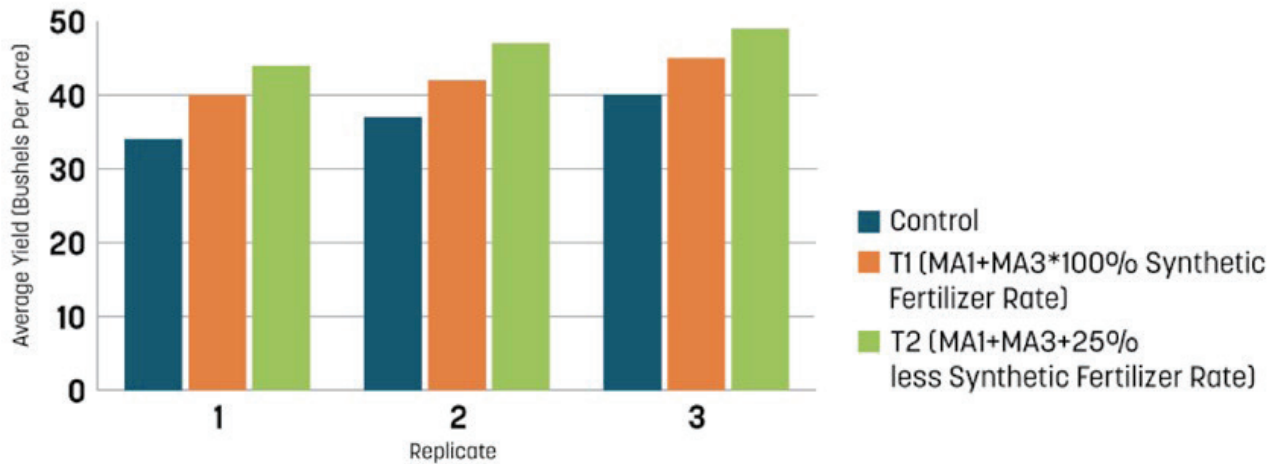
Trial results show that a **25% reduced synthetic fertilizer usage** in addition to Annelida's AnneMaxx Ag products (MA1 + MA3), consistently delivered in yield across all 3 replicates.

An **average yield increase of 13%** was recorded - **5 bushels/acre** yield difference.



Average Yield - Barrhead AB. 2022 Wheat Trial

25% less Synthetic Fertilizer Rate
13% Yield Increase



SOIL MICROBIOME ANALYSIS

Random composite soil samples were collected at a 10-15 cm depth from 8 different points within each replicate. Microbiome analysis/soil health parameters were evaluated.

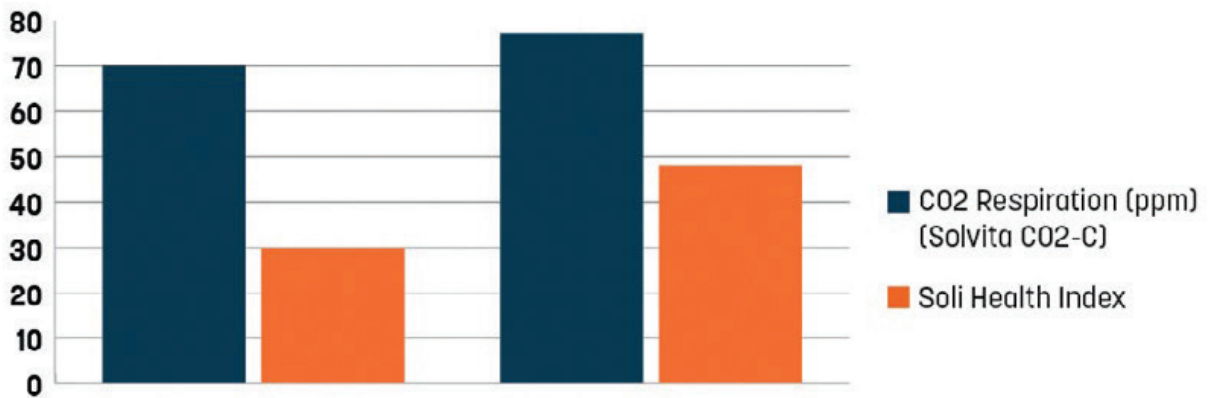
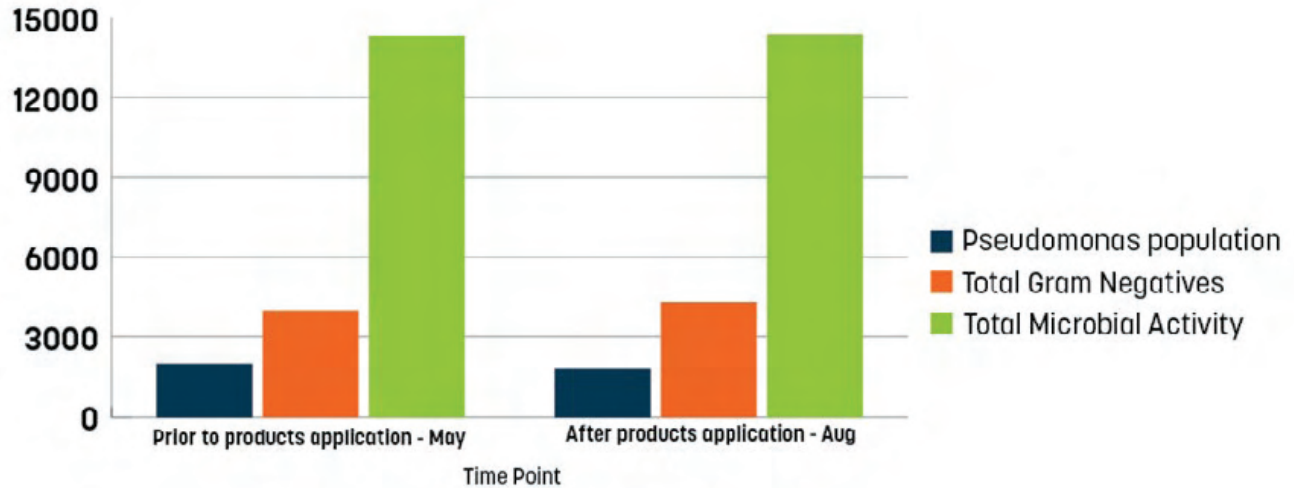


May 26 – 1st soil sampling for biological analysis

Aug 24 – 2nd soil sampling for biological analysis

Soil health tests (VitTellus Bio SHTest3) were conducted by A& L Laboratories.

SOIL HEALTH TEST RESULTS BARRHEAD, AB 2022 WHEAT TRIAL



SPRUCE GROVE, AB. (Barley Trial)



Variety: CDC Austenson



Seeding date: Jun 3

2 Treatments

Treatment 1: 100% synthetic fertilizer rate

Treatment 2: **AMGR + MA1 + MA3 + 25% less** synthetic fertilizer rate

4 Replicates

Note: Grower has reduced 65% (accumulative) of synthetic fertilizer rate in the past 3 years (2020 – 2022)



July 18



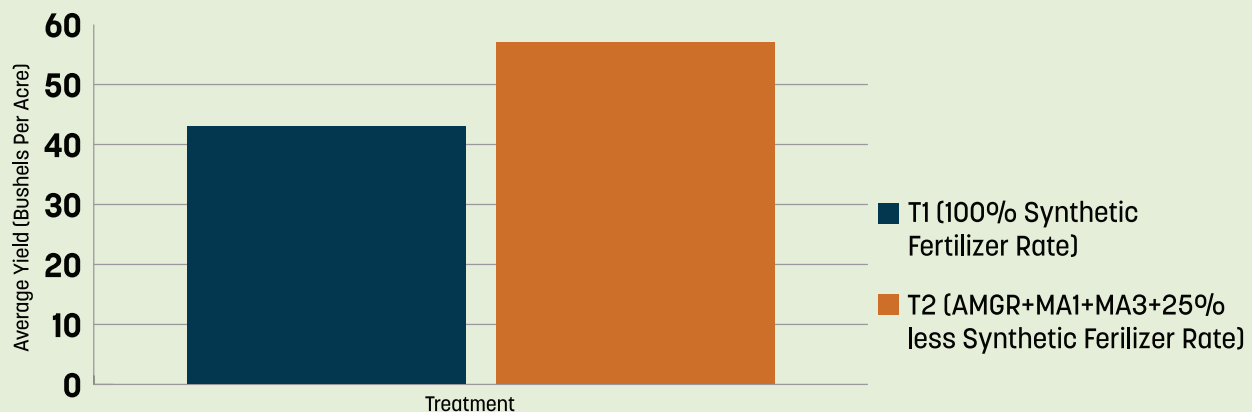
August 16

Results:

Trial results show that a 25% reduced synthetic fertilizer usage in addition to Annelida products (**AMGR + MA1 + MA3**), led to an **average yield increase of 23% - 10 bushels/acre yield difference.**

Average Yield - Spruce Grove AB. 2022 Barley Trial

25% less Synthetic Fertilizer Rate
23% Yield Increase



FIELD SCALE Advantage (MA1) Enhance (MA2)



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SOIL SOLUTIONS

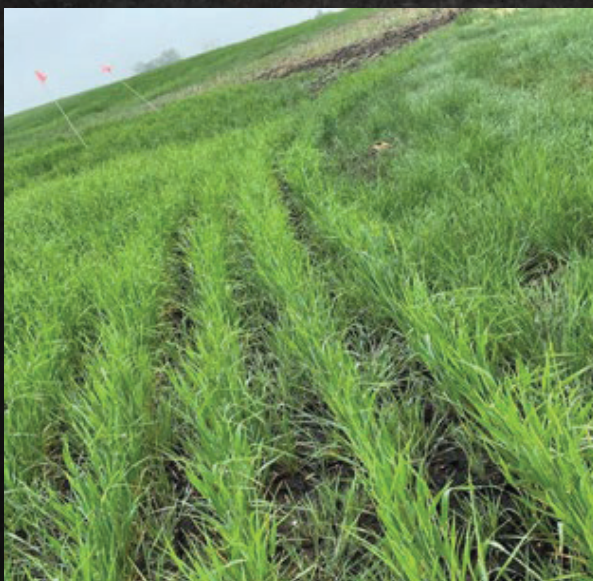
A patch of saline soil with high levels of sodium and pH. Toxic for plant growth and development. Low yields and productivity



Prior to seeding: April 2021



Emergence: May 2021



After 2 applications: July 2021



At harvest: September 2021
Full row formation

With the use of AnneMaxx Products on this saline soil, the grower obtained 70% recovery in one season