



Crop Pro GOLD

Soil & Foliar Program



Better Soil. Better Health. Better Yield.



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Crop Pro GOLD

Soil & Foliar Program

The Crop Pro GOLD Program consists of 6 parts:



Crop Pro GOLD Soil Carbon Mix

- Humic acid based
- Increases root mass
- Extends life of Nitrogen applications by significantly reducing off-gassing of ammonium
- Improves release of nutrients already in soil
- Reduces soil borne diseases



Crop Pro GOLD LX7 Foliar Blend

- Fulvic acid based
- Provides additional Mn, Zn, B and S
- Affects the release of plant nutrients contained in the soil
- Increases stress tolerances, including heat and drought



Crop Pro GOLD LX7 Germinate

- Fulvic acid based
- Helps chelate applied and existing nutrients
- Hastens germination
- Increases root mass
- Improves nutrient translocation



Crop Pro GOLD LX7 Fulvic

- Fulvic acid based
- Improves the activity of many herbicides and fungicides
- Buffers water pH
- Nutrient chelator
- Allows nutrients to move from the roots into the plant



Crop Pro GOLD LX7 Soil Mix

- Fulvic acid based
- Helps retain up to 50% of otherwise gassed off Nitrogen when applied with 28% UAN
- Supplies additional Nitrogen and Sulphur in plant-available sulphate form

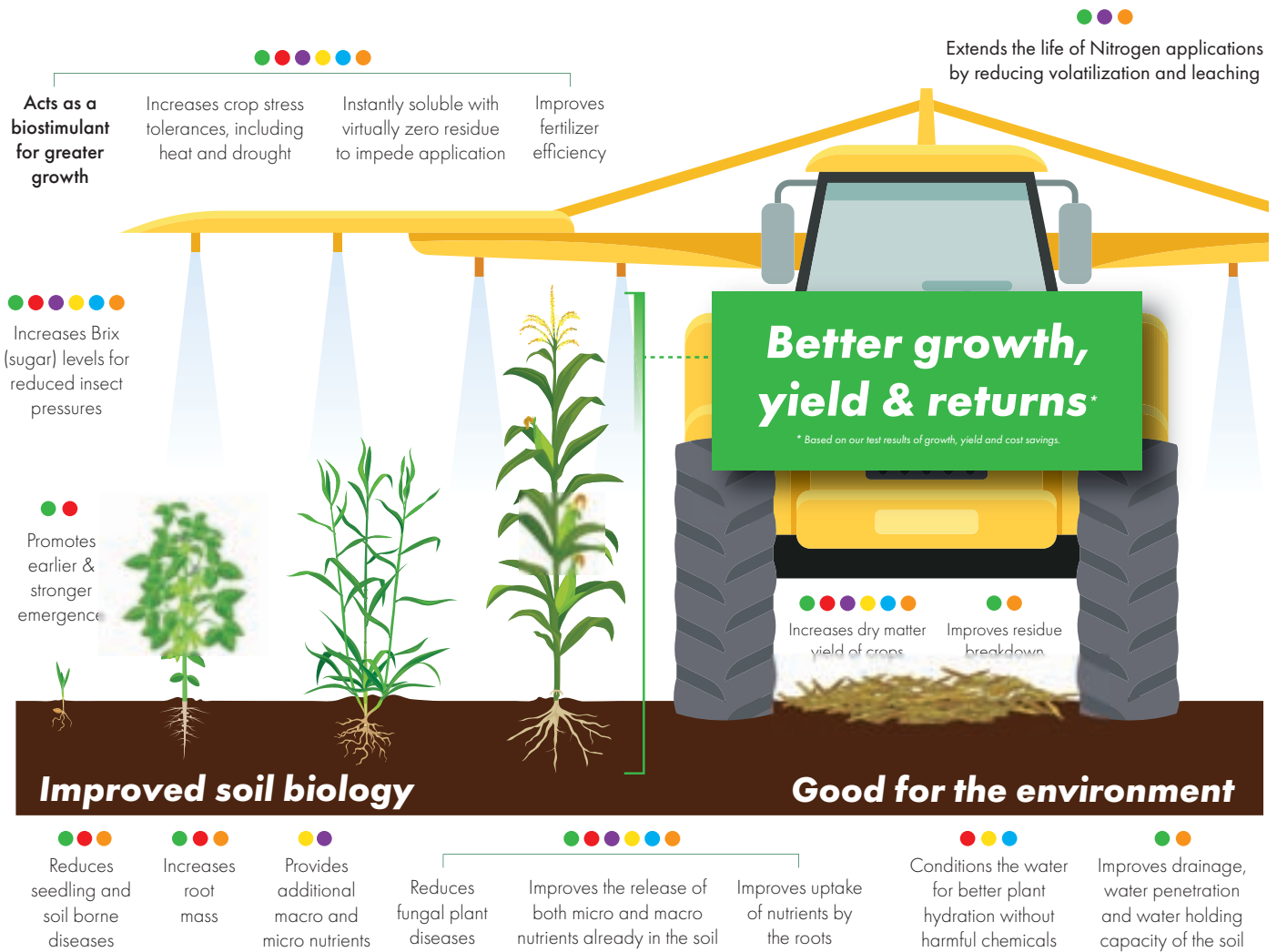


Crop Pro GOLD Humic Acid

- Humic acid based
- Increases moisture-holding capacity in all soil types
- Helps to reduce soil erosion
- Improves soil structure and compaction
- Aids in digestion of crop residue, releasing nutrients

Contact Us for a customized application plan tailored to your specific crop needs.

PROGRAM BENEFITS



THE BOTTOM LINE

- **Soil Carbon Mix** treatment produces better soil for greater, healthier roots
- **LX7 Germinate** turbo-charges germination for stronger emergence
- **LX7 Soil Mix** optimizes your Nitrogen application and uptake
- **LX7 Foliar Blend** is a formulation of chelated micronutrients for healthier plants
- **LX7 Fulvic** activates herbicides and fungicides, while improving mineral absorption
- **Humic Acid** is full of life-giving properties and acts as a rocket booster for crops

Higher Yields & Reduced Costs!

Based on our test results

THE RESULTS: Corn



More GROWTH



More YIELD



Healthier Roots

Treated with herbicide and Quilt™



Treated with herbicide and 2 applications of Crop Pro GOLD LX7 Foliar Blend



Healthier Plants

- Significant reduction in leaf disease from 4-leaf stage through tasseling to seed fill

ADDITIONAL RESULTS FOR CORN

- Improves emergence & final crop stand
- More complete digestion & break down of crop residue to speed up release of crop nutrients
- Increases Brix levels to decrease insect population and crop damage

THE RESULTS: Other Crops



More GROWTH

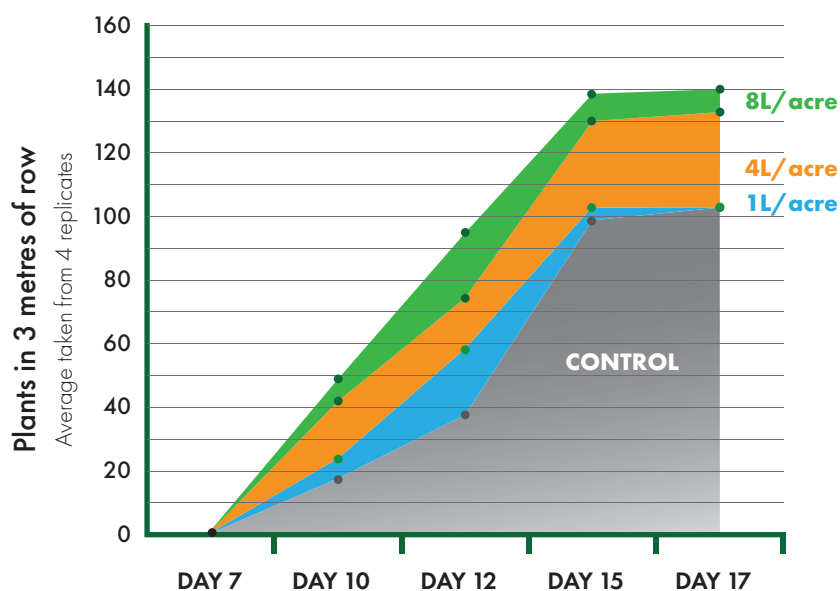
- Crop Pro GOLD treated soybean plants on the left are taller, greener and heartier than the untreated plants on the right



More GROWTH & YIELD

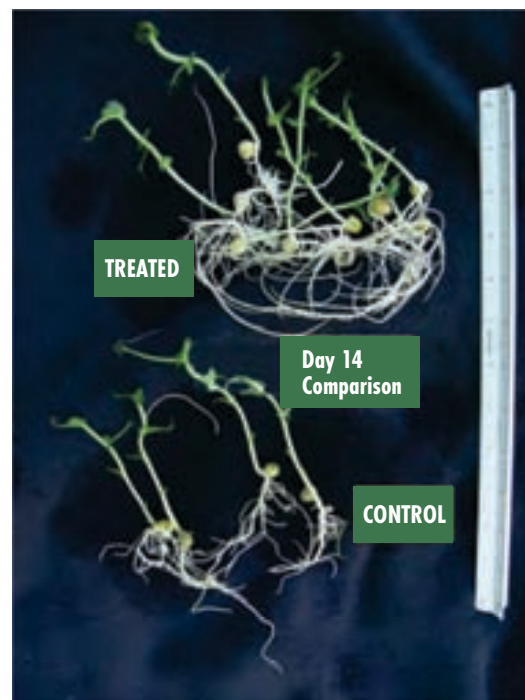
- Potatoes treated with Crop Pro GOLD produced higher root mass, larger plants and increased yield

Winter Wheat Emergence



Faster and Greater Emergence

- Crop Pro GOLD Soil Carbon Mix applied to winter wheat rows at 1L/acre, 4L/acre and 8L/acre amounts showed earlier emergence and better total stand



Increased Mass, Health & Vigor

- Peas treated with Crop Pro GOLD are clearly outperforming the control group 2-to-1 in root growth

Why Crop Pro GOLD?

Backed by Science

In the **Crop Pro GOLD Soil & Foliar Program**, we use humates (humic & fulvic acids) that act as biostimulants to facilitate natural soil microbes to multiply, creating better soil structure, and making nutrients more readily available to the crop.

Humic and fulvic acids are naturally occurring compounds, meaning plants readily accept them, allowing you to achieve greater results with all natural products. They are basically nature's soil superchargers and have been used in agriculture for decades.

Want to see studies, reports, test results and testimonials? Want to learn more about **cation exchange capacity** and soil water retention? Want a run-down of **chelation** and critical micronutrients? How about a better understanding of **Brix Levels** as they relate to insect population control?

Take a deep dive into the science of soil biology and all the ways that **Crop Pro GOLD** can boost your results by visiting our website for full product information and information resources.

➤ mtenvironmental.ca/agriculture

Superior Quality

Not all humates are equivalent and some humates on the market do not work at all. This is because raw peat or coal needs to go through a specific process to activate the carbon. Without this process, the humates you apply cannot dissolve in water (a must for plants and microbes to utilize them).

One drop of **Crop Pro GOLD Soil Carbon Mix** added to vial **A** of water becomes instantly soluble, with zero residue or settling over time. Compared to our competitors' pellet products, we see undissolved residue and sediments after 8 weeks in vial **B** and an undissolved pellet in vial **C** with nearly no colour change in the water.

Our superior solubility means **Crop Pro GOLD** offers:

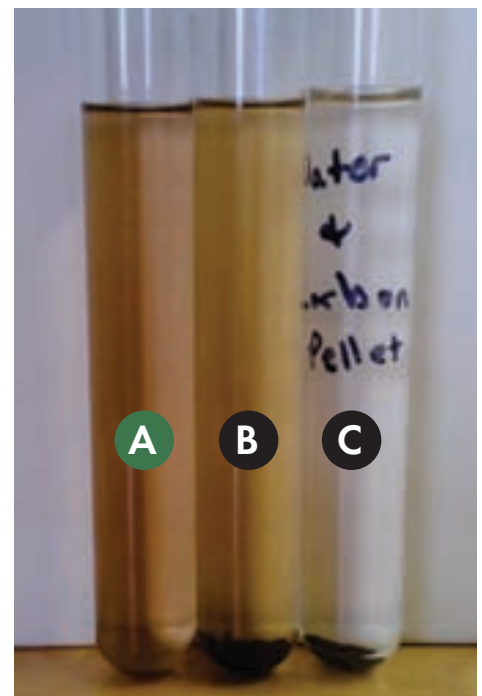
- Greater effectiveness and efficiency
- Easy tank-mix application
- No negative effects to machinery or sprayers

Humates play 4 main roles in stimulating soil biology:

1. assist nitrogen fixation
2. reduce nutrient losses
3. improve soil's water-holding capacity
4. improve nutrient availability & absorption



Scan here to learn more!



Better For the Environment

Improved Nitrogen Retention

Crop Pro GOLD increases the quantity of soil microbes & communities, thereby helping to preserve Nitrogen in the soil and prevent losses due to leaching and gassing-off.

These Nitrogen losses can be significant, causing as much as 50% of your fertilizer to end up in water run-off or evaporating in the atmosphere. Save costs and the environment by ensuring more of your Nitrogen is retained in your soil.

➤ **Did you know up to 55% of applied nitrogen can be lost?**

Improved Soil Drainage

Poor soil structure can trap moisture and prevent drainage, causing slough areas that drown crops and waste land.

Crop Pro GOLD can treat poor soil structure by improving soil biology which improves porosity and crumb texture, allowing excess moisture to percolate down to the water table.

Improving soil drainage also ensures you get optimal use of your land for greater yields year after year.

Improved Water Retention

Organic matter can hold up to 20 times its weight in water. Adding humates to the soil increases the soil's ability to hold water, especially in sandy soils where organic matter levels are low.

The **Crop Pro GOLD Program** improves your soil's water holding capacity for:

- Less run-off of fertilizer and nitrogen applications
- Improved drought and stress tolerance

Improved Carbon Footprint

Crop Pro GOLD can help reverse soil degradation and promote regenerative farming by:

- Restoring organic matter in degraded soils
- Restoring soil biodiversity
- Sequestering carbon at greater depths
- Increasing plant mass for CO₂ recovery
- Increasing oxygen levels through plant respiration

Better soil means a better future for farming.

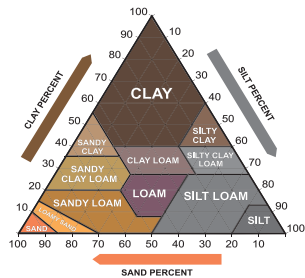
Slough area treated with **Crop Pro GOLD Soil Carbon Mix** for 6 years with crops harvested after only 2 years. ▼

Untreated slough with typical annual water retention drowning out a large portion of the crop. ▼

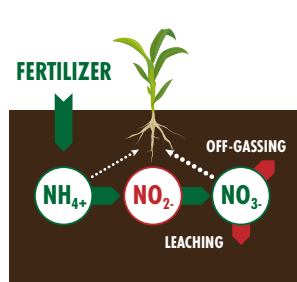


Solving Your Farming Challenges

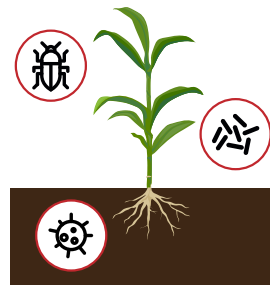
Every farm is unique with its own specific conditions and challenges. We understand all the demands of various climates and how soil conditions differ from area to area. Our 6-part program allows us to tailor an application plan designed specifically for your needs and challenges.



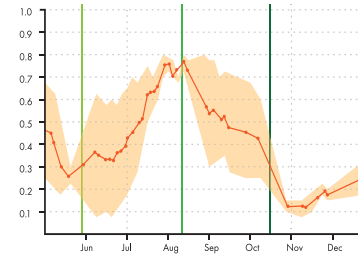
Difficult soil composition & drainage issues



Fertilizer inefficiency & waste



Insect & disease control



Underperforming crops

➤ We can help you solve your specific issues with a formulated combination of some or all **Crop Pro GOLD** products in a treatment plan that is affordable and simple to implement.



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Soil & Foliar Program



Contact us at
info@mtsenvironmental.ca
or 1-800-294-9725 for a
dealer near you.



Scan to shop online at
mtsenvironmental.ca

CONTACT US TODAY

To start your Crop Pro GOLD Soil & Foliar Program with a no-obligation assessment of how we can improve your crop performance, yield and returns!

