

### Environmental Stress Benefits

|                                 |   |
|---------------------------------|---|
| <b>Acetoin</b><br>BS, BA        | Secretes acetoin which triggers induced systemic resistance (ISR), mediating stress     |
| <b>Cytokinin</b><br>AB          | Secretes cytokinin, a biochemical messenger supporting plants under stress              |
| <b>Exopolysaccharides</b><br>BS | Secretes EPS which forms a biofilm layer on roots mitigating damage from abiotic stress |
| <b>Gibberellic Acid</b><br>AB   | Secretes GA which plays a central role in the plant's response to abiotic stress        |
| <b>IAA</b><br>PP, AB            | Secretes IAA, a common auxin that enables cell division and movement of photosynthates  |
| <b>PAL</b><br>BS, BA            | Secretes PAL, a key enzyme that supports systemic resistance against abiotic stress     |

| Microbial Species          | Abbreviation | Microbial Species       | Abbreviation |
|----------------------------|--------------|-------------------------|--------------|
| Azospirillum brasilense    | AB           | Cellulomonas cellasea   | CC           |
| Bacillus amyloliquefaciens | BA           | Pseudomonas fluorescens | PF           |
| Bacillus subtilis          | BS           | Pseudomonas patida      | PP           |



### Plant Nutrition Benefits

|                                     |  |
|-------------------------------------|--|
| <b>Phosphorus</b><br>BS, BA, AB, PF | Able to solubilize and make plant available insoluble forms of phosphate                                 |
| <b>Nitrogen</b><br>AB               | Capable of fixing atmospheric nitrogen (N <sub>2</sub> ) into biologically useable and available ammonia |
| <b>Potassium</b><br>PP              | Able to solubilize insoluble forms of potassium  |
| <b>Zinc</b><br>PF                   | Able to solubilize insoluble forms of zinc   |
| <b>Sulfur</b><br>BS                 | Able to convert (oxidize) insoluble sulfur into plant available sulfates                                 |
| <b>Iron</b><br>BS, AB, PF           | Able to convert insoluble forms of iron into iron-chelating siderophore compounds                        |

### Biodegradation Benefits

|                                |   |
|--------------------------------|---|
| <b>Amylase</b><br>BS, BA       | Secretes amylase, an enzyme that hydrolyzes starch and breaks it down into smaller sugars |
| <b>Cellulase</b><br>BS, BA, CC | Secretes cellulase, an enzyme that breaks down cellulose into its monosaccharide units    |
| <b>Glucanase</b><br>BS, BA     | Secretes glucanase, an enzyme that breaks down large polysaccharides like glucans         |
| <b>Laccase</b><br>BS, BA       | An enzyme that biodegrades lignin and can oxidize and degrade aromatic pollutants         |
| <b>Lipase</b><br>BS            | Secretes lipase to help support the break down of fats, oils, and lipids                  |
| <b>Protease</b><br>BS, BA      | Secretes protease, an enzymes that break down proteins down into amino acids              |
| <b>Urease</b><br>BA            | Secretes urease, enzyme capable of breaking down urea into ammonia and CO <sub>2</sub>    |
| <b>Xylanase</b><br>BS, BA      | Secretes xylanase, an enzyme that breaks down hemicellulose in plant cell walls           |

**CanGrow ReNew™** is intended to increase nutrient release supporting crop growth and vigor.

**Guaranteed Minimum Analysis**  
 Azospirillum brasilense 1 x 10<sup>10</sup> CFU/ml  
 Bacillus amyloliquefaciens 1 x 10<sup>10</sup> CFU/ml  
 Bacillus subtilis 1 x 10<sup>10</sup> CFU/ml  
 Cellulomonas cellasea 1 x 10<sup>10</sup> CFU/ml  
 Pseudomonas fluorescens 1 x 10<sup>10</sup> CFU/ml  
 Pseudomonas patida 1 x 10<sup>10</sup> CFU/ml

**Mixing Instructions:** For best results, shake well before use. If combining with other products, acid having them mixed together, the order of addition is important. CanGrow ReNew should be added last. If mixed with other products, it is best to mix right before application. Always perform a jar test to determine compatibility.

**Directions of Use:** Apply 1/2 to 1 cup (120 ml) per acre of CanGrow ReNew for all field crops including corn, soybeans, wheat, barley, oats, alfalfa, sorghum, sorghum, sugar beets, sorghum and all other field crops. Can be applied through irrigation systems, micro-irrigation, drip and center pivot irrigation.

**For Best Results:** Apply CanGrow ReNew to moist soil. Can be applied to wet soil or mixed with fertilizer. CanGrow ReNew can also be applied by using a pump sprayer or hose-end sprayer with fertilizer.

**Storage & Handling:** Please store at room temperature in this container. Store product out of direct sunlight. DO NOT FREEZE.

**Manufactured By:** CanGrow Crop Solutions  
 3875 Old Walnut Rd.  
 Alton, OH 45910 USA  
 519-847-5748, www.cangrow.com

**Net Weight:** 50.0 L  
 Volume: 100 kg  
 Density: 1.01 kg/L

**CAUTION:**  
**KEEP OUT OF REACH OF CHILDREN.**  
 This product contains live microorganisms that may be harmful if inhaled. Avoid inhalation, ingestion, and contact with skin and eyes. Store protective gloves/coveralls cleaning, soap and face protection.  
**IF SWALLOWED:** Rinse mouth. Do not induce vomiting. Get medical attention.  
**IF ON SKIN:** Wash with plenty of soap and water. If irritation occurs, Get medical attention.  
**IF IN EYES:** Rinse cautiously with water for several minutes. If eye irritation persists, Get medical attention.  
**IF SMALLER:** Rinse mouth. Call a poison control center or doctor if you feel unwell. May be a health hazard if inhaled. Do not breathe dust. Do not eat, drink, or smoke when handling this product. Do not get product on clothing. Do not get product on skin. Do not get product on eyes. Do not get product on face. Do not get product on hair. Do not get product on shoes. Do not get product on jewelry. Do not get product on pets. Do not get product on children. Do not get product on pregnant women. Do not get product on nursing infants. Do not get product on the elderly. Do not get product on the infirm. Do not get product on the disabled. Do not get product on the chronically ill. Do not get product on the immunocompromised. Do not get product on the allergic. Do not get product on the asthmatic. Do not get product on the epileptic. Do not get product on the hypertensive. Do not get product on the diabetic. Do not get product on the obese. Do not get product on the obese. Do not get product on the obese. Do not get product on the obese.



Certified organic.

## CanGrow ReNew™ - Biological Fertilizer & Stimulant

### Stronger Plants, Stronger Profits

CanGrow ReNew™ offers a diverse team of microbes that are not genetically modified, non-pathogenic, and 100% naturally occurring. CanGrow ReNew™ helps promote the fundamental relationship between the plant and soil to ensure efficiency and maximize the plant's ability to grow.

CanGrow ReNew™ provides a team of beneficial microbes that improve nutrient availability and increased abiotic stress tolerance for plants. CanGrow ReNew™ is easy to use, just add to water or liquid starter in-furrow.

These microbes support:

- Nitrogen fixing
- Phosphorus solubilization
- Sulfur, Zinc, Iron, and other nutrient increased availability
- Production of environmental stress reducing factors such as EPS and PAL
- Production of biodegradable enzymes such as cellulase, laccase, and urease



Control



Treated with **ReNew™**

### Application Rate

**In-Furrow:** 330 mL (12 oz) per acre

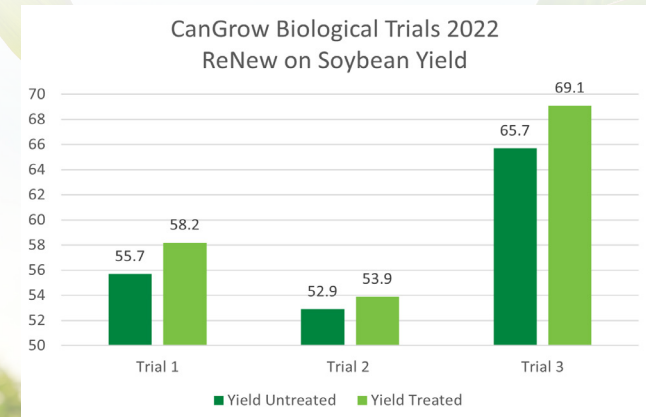
**2x2/Side-Dress/Foliar:** 500 mL (17 oz) per acre

### 2022 Ontario Field Trials

Soybean trials resulted in an average yield increase of 2.3 bushels/acre and an average return of investment (ROI) of \$29.40/acre.

Corn trials resulted in an average yield increase of 3.0 bushels/acre.

Potato trials resulted in an average yield increase of 17.0 hundredweight (cwt).



# #BetterBiology