

## Start Strong with BioLiNE<sup>®</sup> Technology

BioLiNE<sup>®</sup>'s fulvic acid based biostimulant has a proven track record of delivering superior results for growers. Our products can be easily mixed into existing crop inputs and combined with other technologies. With low usage rates, BioLiNE<sup>®</sup> products can easily replace "free water", improving the coverage and value of the overall seed treatment.

	mL/MT	mL/50 lbs	oz/cwt
<b>Corn, Soybean</b>	2250	51	3.9
<b>Cereals</b>	2750	62	4.7
<b>Lentils</b>	2500	57	4.3
<b>Canola</b>	3500	80	6.0

Higher rates should be used if BioLiNE<sup>®</sup> products are applied on its own.



- Increase Plant Vigour**
- Quicker Germination**
- Better Stand Quality**
- Improved Root Development**
- Improved Nutrient Cell Permeability**

**BioLiNE<sup>®</sup> Gold**

- Anti-Oxidative Properties**
- Improve Nutrient Transport**
- Buffer Soil pH**
- Invigorate Microbial Activity**
- Improve Abiotic Stress Tolerance**



Control

BioLiNE<sup>®</sup> Gold

BioLiNE's ability to improve emergence, stand, and vigour showcased here in a cereal study.

**George Waldner (Colony Manager) used BioLiNE<sup>®</sup> Gold as a seed treatment on wheat and noted a two (2) day earlier emergence when compared to wheat seeded on the same day without BioLiNE<sup>®</sup> Gold.**

**-Midland Hutterite Colony, Taber, AB**

**Location:**

BioLiNE Corporation  
3971 Old Walnut Rd.  
Alvinston, ON, N0N1A0

**Contact Us:**

www.biolinecorp.ca  
info@biolinecorp.ca  
519-847-5747



## No Matter What the Conditions are, BioLiNE<sup>®</sup> has Your Plants Covered

You get one best chance at planting crops successfully, so improve your chance of success with BioLiNE<sup>®</sup>. Multiple studies show that late-emerging plants do not reach their full potential. Maximizing your yield starts with the seed, ensure your crops are one step ahead by adding BioLiNE<sup>®</sup> products to your seeds.

### Normal Conditions

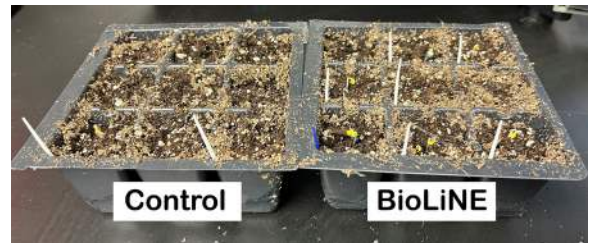
- Increase uptake of necessary nutrients and minerals
- Boost root development
- Quicker & uniform germination

Treated soybeans planted in normal conditions show a more uniform and faster emergence compared to the control.



### Cold Conditions

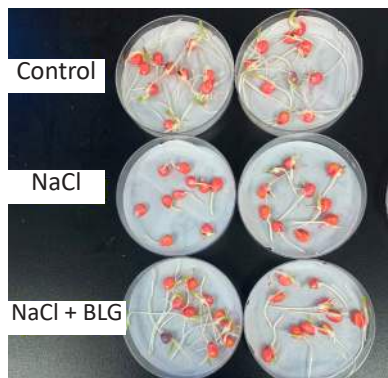
- Invigorate soil microbes to warm soil temperature
- Increased water absorption
- Improved chelation of minerals



Treated canola grown in soil temperatures of 12°C showed faster emergence. On day 2, 7 BioLiNE<sup>®</sup> plants emerged versus 2 control plants.

### Sodic/Saline Conditions

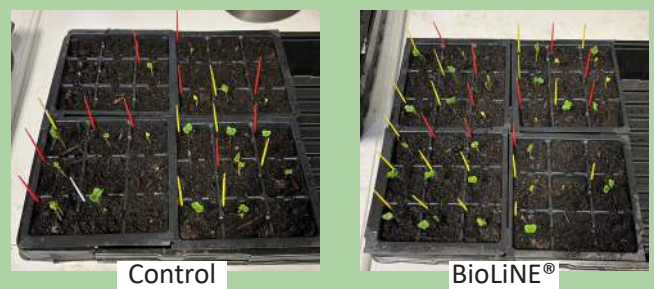
- Earlier & increased emergence
- Prevent ROS cell damage by increasing antioxidants
- Improve soil solution pH buffering



Seeds treated with BioLiNE<sup>®</sup> Gold show a greater emergence rate in 250mM salt solution than without BioLiNE<sup>®</sup>.

### Dry Conditions

- Improve water retention and absorption
- Boost root development for search of water



Canola was planted in soil with a 50% moisture content resembling dry conditions. Seeds treated with BioLiNE<sup>®</sup> Gold showed faster and greater emergence.

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