

# The Answer® Product Application Information



General Agriculture  
**Soil, Seed and Foliar**  
Application Information

for  
**Cereals: Small Grains**  
**Barley, Oats, Rye, Spelt, Wheat**

**Products:**

**The Bio-N-Liven Answer®**  
**The Mineral Electrolyte Answer®**  
**The Frozen-Flame Answer®**  
**The Nano-Ag Answer®**

Note: Application rates and information are for 'general use' only. They have been compiled over the previous 20 years from field tests, long-term usage and observations by growers and product Representatives. Such work is ongoing and this table may be updated as more information is made available. Please also read product labels and check with your product Representative.

© 1995, Rev: 2000 & 2017  
15611 West 6th Avenue, Golden, CO 80401-5051, USA  
[www.ECandS.bio](http://www.ECandS.bio)

NOTE: The "App. Rate" suggested is for a crops 'growing season'. Should you apply multiple times during the season, the amount indicated may be divided by that number of applications.

# The Answer® Product Application Information

## Cereals: Small Grains Barley, Oats, Rye, Spelt, Wheat

### Soil Application

The Answer® Products	App. Rate	App. Time	Dilution Rate	Application Methods	Field Observations
<b>Bio-N-Liven Answer®</b>	Fertile Soil: 12 fl oz/acre; Moderate Soil: 16 oz/acre; Problem Soil: 24 fl oz/acre	Preplanting	Ground - at least 1:100 Dilution rate may vary depending on spray equipment used.	<b>Banded:</b> Ground. Spray diluted product evenly in furrows. After application, incorporate product into soil. Rain or irrigation after application will improve product performance.	INCREASED: Soil fertility, organic matter content, water holding capacity, drainage, soil aeration
<b>Mineral Electrolyte Answer®</b>	Fertile Soil: 3 fl oz/acre; Moderate Soil: 4 fl oz/acre; Problem Soil: 6 fl oz/acre	Preplanting	Ground - at least 1:100 Dilution rate may vary depending on spray equipment used.	<b>Banded:</b> Ground. Spray diluted product evenly in furrows. After application, incorporate product into soil. Rain or irrigation after application will improve product performance.	INCREASED: Soil fertility, organic matter content, water holding capacity, drainage, soil aeration
<b>Frozen-Flame Answer®</b>	Fertile Soil: 1-2 fl oz/acre; Moderate Soil: 1-2 fl oz/acre; Problem Soil: 2-3 fl oz/acre	Preplanting	Ground - at least 1:100 Dilution rate may vary depending on spray equipment used.	<b>Banded:</b> Ground. Spray diluted product evenly in furrows. After application, incorporate product into soil. Rain or irrigation after application will improve product performance.	INCREASED: Soil fertility, organic matter content, water holding capacity, drainage, soil aeration
<b>Nano-Ag Answer® (Hydrated &amp; Activated*)</b>	Fertile Soil: 14 fl oz/acre; Moderate Soil: 18 fl oz/acre; Problem Soil: 27 fl oz/acre	Preplanting	Ground - at least 1:100 Dilution rate may vary depending on spray equipment used.	<b>Banded:</b> Ground. Spray diluted product evenly in furrows. After application, incorporate product into soil. Rain or irrigation after application will improve product performance.	INCREASED: Soil fertility, organic matter content, water holding capacity, drainage, soil aeration

\*Hydrate & Activate: For every 90 to 100 gm dry product, hydrate in approximately 3.8 lt (1 gl US) non-chlorinated water for 48 hrs in a cool place out of direct sunlight.

NOTE: The "App. Rate" suggested is for a crops 'growing season'. Should you apply multiple times during the season, the amount indicated may be divided by that number of applications.

# The Answer® Product Application Information

## Cereals: Small Grains Barley, Oats, Rye, Spelt, Wheat

### Seed Application

The Answer® Products	App. Rate	App. Time	Dilution Rate	Application Methods	Field Observations
<b>Bio-N-Liven Answer®</b>	2 fl oz/110 lb Seeds	At planting	1:4	Spray diluted product in a fine mist to thoroughly coat seeds. Use any conventional sprayer. Mix seeds until dry and they do not stick together. Do not keep seeds in direct sunlight. Plant seeds as usual.	IMPROVED: Plant emergence, vigor of seedlings, root development, resistance of seedlings to stress low temperature, drought, disease, etc.
<b>Mineral Electrolyte Answer®</b>	0.5 fl oz/110 lb Seeds	At planting	1:4	Spray diluted product in a fine mist to thoroughly coat seeds. Use any conventional sprayer. Mix seeds until dry and they do not stick together. Do not keep seeds in direct sunlight. Plant seeds as usual.	IMPROVED: Plant emergence, vigor of seedlings, root development, resistance of seedlings to stress low temperature, drought, disease, etc.
<b>Nano-Ag Answer® (Hydrated &amp; Activated*)</b>	2.5 fl oz/110 lb Seeds	At planting	1:4	Spray diluted product in a fine mist to thoroughly coat seeds. Use any conventional sprayer. Mix seeds until dry and they do not stick together. Do not keep seeds in direct sunlight. Plant seeds as usual.	IMPROVED: Plant emergence, vigor of seedlings, root development, resistance of seedlings to stress low temperature, drought, disease, etc.

\*Hydrate & Activate: For every 90 to 100 gm dry product, hydrate in approximately 3.8 lt (1 gal US) non-chlorinated water for 48 hrs in a cool place out of direct sunlight.

NOTE: The "App. Rate" suggested is for a crops 'growing season'. Should you apply multiple times during the season, the amount indicated may be divided by that number of applications.

# The Answer® Product Application Information

## Cereals: Small Grains Barley, Oats, Rye, Spelt, Wheat

### Foliar Application

The Answer® Products	App. Rate	App. Time	Dilution Rate	Application Methods	Field Observations
<b>Bio-N-Liven Answer®</b>	12 fl oz/acre	Winter varieties: First growth in Spring; Spring varieties: At 6-8 leaf stage	Aerial - 1:20 to 1:50 Ground - at least 1:100 Dilution rate may vary depending on spray equipment used.	Spray diluted product evenly on foliage using conventional spray equipment. For best uptake, apply in evening or early morning. Heavy rain or aerial irrigation within 24 hours of application will diminish product effectiveness.	IMPROVED: Maturation time, yield, protein content
<b>Mineral Electrolyte Answer®</b>	3 fl oz/acre	Winter varieties: First growth in Spring; Spring varieties: At 6-8 leaf stage	Aerial - 1:20 to 1:50 Ground - at least 1:100 Dilution rate may vary depending on spray equipment used.	Spray diluted product evenly on foliage using conventional spray equipment. For best uptake, apply in evening or early morning. Heavy rain or aerial irrigation within 24 hours of application will diminish product effectiveness.	IMPROVED: Maturation time, yield, protein content
<b>Frozen-Flame Answer®</b>	1 oz/acre	Winter varieties: First growth in Spring; Spring varieties: At 6-8 leaf stage	Aerial - 1:20 to 1:50 Ground - at least 1:100 Dilution rate may vary depending on spray equipment used.	Spray diluted product evenly on foliage using conventional spray equipment. For best uptake, apply in evening or early morning. Heavy rain or aerial irrigation within 24 hours of application will diminish product effectiveness.	IMPROVED: Maturation time, yield, protein content
<b>Nano-Ag Answer® (Hydrated &amp; Activated*)</b>	13 oz/acre	Winter varieties: First growth in Spring; Spring varieties: At 6-8 leaf stage	Aerial - 1:20 to 1:50 Ground - at least 1:100 Dilution rate may vary depending on spray equipment used.	Spray diluted product evenly on foliage using conventional spray equipment. For best uptake, apply in evening or early morning. Heavy rain or aerial irrigation within 24 hours of application will diminish product effectiveness.	IMPROVED: Maturation time, yield, protein content

\*Hydrate & Activate: For every 90 to 100 gm dry product, hydrate in approximately 3.8 lt (1 gl US) non-chlorinated water for 48 hrs in a cool place out of direct sunlight.

NOTE: The "App. Rate" suggested is for a crops 'growing season'. Should you apply multiple times during the season, the amount indicated may be divided by that number of applications.