

# Alfalfa Program 2008

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	<b>New seeding:</b> 2-5 trifoliolate <b>Established:</b> at green-up	2 oz. / acre**	<ul style="list-style-type: none"> <li>• Promotes new root development &amp; nodules</li> </ul>
<b>HappyGro + PhotoGro</b>	After each cutting	2 oz. / acre** of each	<ul style="list-style-type: none"> <li>• Improves re-growth</li> <li>• Potentially increases tonnage and hay quality</li> </ul>
<b>BOMO</b>	After each cutting	5-10 oz. / acre**	<ul style="list-style-type: none"> <li>• Improves re-growth</li> <li>• Potentially increases tonnage and hay quality</li> </ul>

**\*\* Note:** If application spray volume is greater than 15 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.

# Canola Program 2008

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	At 2-5 leaves	2 oz. / acre**	<ul style="list-style-type: none"> <li>• Promotes new root development</li> </ul>
<b>HappyGro + PhotoGro</b>	Must apply within 10 days of MegaGro	2 oz. / acre** of each	<ul style="list-style-type: none"> <li>• Potentially more seed kernels</li> </ul>
<b>BOMO + WeatherKing</b>	1 <sup>st</sup> bloom	5-10 oz. / acre**  2 oz. / acre**	<ul style="list-style-type: none"> <li>• Increases grain size and quality</li> <li>• Increases tolerance to environmental stresses</li> </ul>

**\*\* Note: If application spray volume is greater than 15 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.**

# Corn Program 2008

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	2-5 leaves	2 oz. / acre**	<ul style="list-style-type: none"> <li>• Promotes new root development</li> </ul>
<b>BOMNZN</b> + <b>WeatherKing</b>	V-4 to early tassel	5-10 oz. / acre**  2 oz. / acre**	<ul style="list-style-type: none"> <li>• Increases grain size and quality</li> <li>• Increases tolerance to environmental stresses</li> </ul>

**\*\* Note: If application spray volume is greater than 15 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.**

# Cotton Program 2008

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	2-5 leaves	2 oz. / acre**	<ul style="list-style-type: none"> <li>• Promotes new root development</li> </ul>
<b>HappyGro + PhotoGro</b>	Pinhead square, and can be re-applied with each mepiquat chloride application	2 oz. / acre** of each	<ul style="list-style-type: none"> <li>• Promotes more bolls</li> <li>• Increases boll weight and fiber quality</li> </ul>
<b>BOMO + WeatherKing</b>	Pinhead square, and can be re-applied with each mepiquat chloride application	5-10 oz. / acre**  2 oz. / acre**	<ul style="list-style-type: none"> <li>• Increases grain size and quality</li> <li>• Increases tolerance to environmental stresses</li> </ul>

**\*\* Note:** If application spray volume is greater than 15 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.

# Dry Beans Program 2008

## Including Field Peas

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	2-5 trifoliolate	2 oz. / acre**	<ul style="list-style-type: none"> <li>• Promotes new root development and more nodules</li> </ul>
<b>HappyGro</b> + <b>PhotoGro</b>	Early bloom	2 oz. / acre** of each	<ul style="list-style-type: none"> <li>• Promotes more pods</li> </ul>
<b>BOMO</b> + <b>WeatherKing</b>	Early bloom	5-10 oz. / acre**  2 oz. / acre**	<ul style="list-style-type: none"> <li>• Increases grain quality</li> <li>• Increases tolerance to environmental stresses</li> </ul>

**\*\* Note:** If application spray volume is greater than 15 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.

# Peanut Program 2008

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	2-5 leaves	2 oz. / acre**	<ul style="list-style-type: none"> <li>• Promotes new root development and more nodules</li> </ul>
<b>HappyGro</b> + <b>PhotoGro</b>	Early bloom	2 oz. / acre** of each	<ul style="list-style-type: none"> <li>• Promotes more pods</li> </ul>
<b>BOMO</b> + <b>WeatherKing</b>	Early bloom	5-10 oz. / acre**  2 oz. / acre**	<ul style="list-style-type: none"> <li>• Increases grain size and quality</li> <li>• Increases tolerance to environmental stresses</li> </ul>

**\*\* Note:** If application spray volume is greater than 15 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.

# Rice Program 2008

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	2-5 leaves	2 oz. / acre**	<ul style="list-style-type: none"> <li>• Promotes new root development</li> </ul>
<b>HappyGro</b> + <b>PhotoGro</b>	Early bloom	2 oz. / acre** of each	<ul style="list-style-type: none"> <li>• Promotes more kernels</li> <li>• Promotes more tillers</li> </ul>
<b>BOMNZN</b> + <b>WeatherKing</b>	Flag leaf to first head	5-10 oz. / acre**  2 oz. / acre**	<ul style="list-style-type: none"> <li>• Increases grain size and quality</li> <li>• Increases tolerance to environmental stresses</li> </ul>

**\*\* Note:** If application spray volume is greater than 15 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.

# Spring-Planted Cereal Grain Program 2008

## Wheat, Barley, Oats

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	2-5 leaves	2 oz. / acre**	<ul style="list-style-type: none"> <li>• Promotes new root development</li> </ul>
<b>HappyGro</b> + <b>PhotoGro</b>	Flag leaf to first head	2 oz. / acre** of each	<ul style="list-style-type: none"> <li>• Promotes more kernels</li> <li>• Promotes more tillers</li> </ul>
<b>BOMNZN</b> + <b>WeatherKing</b>	Flag leaf to first head	5-10 oz. / acre**  2 oz. / acre**	<ul style="list-style-type: none"> <li>• Increases grain size and quality</li> <li>• Increases tolerance to environmental stresses</li> </ul>

**\*\* Note:** If application spray volume is greater than 15 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.

# Soybean Program 2008

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	2-5 trifoliolate	2 oz. / acre**	<ul style="list-style-type: none"> <li>• Promotes new root development and more nodules</li> </ul>
<b>HappyGro + PhotoGro</b>	Early bloom	2 oz. / acre** of each	<ul style="list-style-type: none"> <li>• Promotes more pods</li> </ul>
<b>BOMO + WeatherKing</b>	Early bloom	5-10 oz. / acre**  2 oz. / acre**	<ul style="list-style-type: none"> <li>• Increases grain size and quality</li> <li>• Increases tolerance to environmental stresses</li> </ul>

**\*\* Note:** If application spray volume is greater than 15 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.

# Winter-Planted Cereal Grain Program 2008

## Wheat, Barley, Oats

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	Fall: 2-5 leaves and/or Spring: Green-up	2 oz. / acre**	<ul style="list-style-type: none"> <li>• Promotes new root development</li> </ul>
<b>HappyGro</b> + <b>PhotoGro</b>	Flag leaf to first head	2 oz. / acre** of each	<ul style="list-style-type: none"> <li>• Promotes more kernels</li> <li>• Promotes more tillers</li> </ul>
<b>BOMNZN</b> + <b>WeatherKing</b>	Flag leaf to first head	5-10 oz. / acre**  2 oz. / acre**	<ul style="list-style-type: none"> <li>• Increases grain size and quality</li> <li>• Increases tolerance to environmental stresses</li> </ul>

**\*\* Note:** If application spray volume is greater than 15 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.

## Cherry Program 2008

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	1 <sup>st</sup> : 30 days prior to bud break 2 <sup>nd</sup> : Small fruit set	13 oz./100 gallons	<ul style="list-style-type: none"> <li>• Promotes new root development</li> </ul>
<b>HappyGro</b> + <b>PhotoGro</b> + <b>BOMNZN</b>	1 <sup>st</sup> : Bud burst to white bud 2 <sup>nd</sup> : Petal fall	13 oz./100 gallons of each  64 oz./acre	<ul style="list-style-type: none"> <li>• Promotes fruit set</li> <li>• Promotes pollination</li> </ul>
<b>BOMO</b> + <b>OK Degree</b>	1 <sup>st</sup> : 7-14 days pre-bloom 2 <sup>nd</sup> : Full bloom 3 <sup>rd</sup> : Small fruit set	64 oz./ acre  13 oz./100 gallon	<ul style="list-style-type: none"> <li>•</li> </ul>

# Citrus Program 2008

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	1 <sup>st</sup> : 30 days prior to bud break 2 <sup>nd</sup> : Small fruit set	13 oz./100 gallons	<ul style="list-style-type: none"> <li>• Promotes new root development</li> </ul>
<b>HappyGro + PhotoGro</b>	1 <sup>st</sup> : bud burst to white bud 2 <sup>nd</sup> : petal fall	13 oz./100 gallons of each	<ul style="list-style-type: none"> <li>• Promotes fruit set</li> <li>• Promotes pollination</li> </ul>
<b>OK Degree</b>	At small fruit set and repeat every 30 days	13 oz./100 gallons	<ul style="list-style-type: none"> <li>•</li> </ul>

# Nut Tree Program 2008

## Including Almond, Walnut, Pistachio, and Pecan

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	1 <sup>st</sup> : 30 days prior to bud break 2 <sup>nd</sup> : Nuts at 1/4 inch diameter (1/8 inch for pistachio)	13 oz./100 gallons	<ul style="list-style-type: none"> <li>• Promotes new root development</li> </ul>
<b>HappyGro + PhotoGro</b>	1 <sup>st</sup> : Bud swell 2 <sup>nd</sup> : 14 days after 1 <sup>st</sup> application	13 oz./100 gallons of each	<ul style="list-style-type: none"> <li>• Promotes nut set</li> <li>• Promotes pollination</li> </ul>
<b>BOMO + OK Degree</b>	1 <sup>st</sup> : Flowering 2 <sup>nd</sup> : Every 7-10 days after 1 <sup>st</sup> application	64 oz./ acre 13 oz./100 gallons	<ul style="list-style-type: none"> <li>•</li> </ul>

**Note: In the off year of alternate bearing crops, to increase nut set, use HappyGro three times starting at flower bud every 7-10 days.**

# Pomes Fruit Program 2008 Including Apples and Pears

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>HappyGro</b> + <b>PhotoGro</b> + <b>BOMNZN</b>	Petal fall to fruit set	13 oz./100 gallons of each  64 oz./acre	<ul style="list-style-type: none"> <li>• Promotes fruit set</li> <li>• Promotes pollination</li> </ul>
<b>BOMO</b> + <b>OK Degree</b>	1 <sup>st</sup> : 7-14 days pre-bloom 2 <sup>nd</sup> : Full bloom 3 <sup>rd</sup> : Small fruit set	64 oz./ acre  13 oz./100 gallons	<ul style="list-style-type: none"> <li>•</li> </ul>

**Note:** In the off year of alternate bearing crops, to increase fruit set, use HappyGro three times starting at flower bud every 7-10 days.

# Seeded Table Grape Program 2008

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>RootGro</b>	<b>New Plantings:</b> Apply weekly in drip irrigation after planting until 30 days prior to leaf drop <b>Established plants:</b> 30 days prior to anticipated bud break in drip irrigation	1 qt / acre or 1:8000-10000 dilution	<ul style="list-style-type: none"> <li>• Promotes better root development and increases absorption capacity of roots</li> </ul>
	1 day prior to 1 <sup>st</sup> sizing spray	20 oz/ac or 1:2000 dilution (6.5 oz. per 100 gal.)	<ul style="list-style-type: none"> <li>• To counter the lull during sizing stage when seed is forming and flesh stops growing (optional application)</li> </ul>
<b>PhotoGro</b>	At 6-8 leaf <b>and</b> every 2 weeks until 7 days Pre-harvest	26 oz / acre or see footnote*	<ul style="list-style-type: none"> <li>• Enhances photosynthesis-energy production</li> <li>• Leaves begin to produce energy sooner</li> <li>• These later sprays will improve fruitfulness for the next season</li> </ul>
<b>OK Degree</b>	21-28 days after MegaGro application	26 oz / acre *	<ul style="list-style-type: none"> <li>• Enhances growth under various weather conditions</li> </ul>

**\*\* Note:** If application spray volume is greater than 200 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.

# Seedless Table Grape Program 2008

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>RootGro</b>	<b>New Plantings:</b> Apply weekly in drip irrigation after planting until 30 days prior to leaf drop <b>Established plants:</b> 30 days prior to anticipated bud break in drip irrigation	1 qt / acre or 1:8000-10000 dilution	<ul style="list-style-type: none"> <li>• Promotes better root development and increases absorption capacity of roots</li> </ul>
	1 <sup>st</sup> : 1 day prior to first GA sizing 2 <sup>nd</sup> : 2 weeks after last GA sizing spray	20 oz / acre or 1:2000 dilution (6.5 oz. per 100 gal.)	<ul style="list-style-type: none"> <li>• To counter the lull during sizing stage when flesh stops growing (optional application)</li> </ul>
<b>PhotoGro</b>	At 6-8 leaf <b>and</b> every 2 weeks until 7 days pre-harvest	26 oz / acre or see footnote*	<ul style="list-style-type: none"> <li>• Enhances photosynthesis-energy production</li> <li>• Shorter internodes on young canes</li> <li>• Leaves begin to produce energy sooner</li> </ul>
<b>OK Degree</b>	21-28 days after MegaGro application	26 oz / acre*	<ul style="list-style-type: none"> <li>• Enhances growth under various weather conditions</li> </ul>

**\*\* Note:** If application spray volume is greater than 200 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.

# Stone Fruit Program 2008

## Including Peach, Plum, & Apricot

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>HappyGro*</b> + <b>PhotoGro</b> + <b>BOMNZN</b>	At petal fall	13 oz./100 gallons of each  64 oz./acre	<ul style="list-style-type: none"> <li>• Promotes fruit set</li> <li>• Promotes pollination</li> </ul>
<b>MegaGro</b>	1 <sup>st</sup> : 30 days prior to bud break 2 <sup>nd</sup> : Small fruit set	13 oz./100 gallons	<ul style="list-style-type: none"> <li>• Promotes new root development</li> </ul>
<b>BOMO</b> + <b>OK Degree</b>	1 <sup>st</sup> : 7-14 days pre-bloom 2 <sup>nd</sup> : Full bloom 3 <sup>rd</sup> : Small fruit set	64 oz./ acre  13 oz./100 gallons	<ul style="list-style-type: none"> <li>•</li> </ul>

\* Note: During off years of alternate bearing crops, to increase the fruit set, apply HappyGro twice-- first at swollen bud then petal fall.

# Cole Crops Program 2008

## Including Broccoli, Cauliflower, & Cabbage

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	Foliar spray the flats just before transplanting <b>OR</b> in "drench" water at transplanting	Dilution ratio: 13 oz. / 100 gal. water	<ul style="list-style-type: none"> <li>• Improves vigor of transplant</li> <li>• Promotes better root development</li> </ul>
	2 true leaves if seeded; or when new growth starts after transplanted	2 oz. / acre as foliar spray**	
<b>HappyGro</b> + <b>PhotoGro</b> + <b>BOMO</b>	1) At bud formation 2) Additional sprays in 14-21 day intervals	2 oz. / acre** of each  5-10 oz. / acre	<ul style="list-style-type: none"> <li>• Enhances size and quality</li> </ul>
<b>Weather King</b>	21-28 days after MegaGro	2 oz / acre**	<ul style="list-style-type: none"> <li>• Increases tolerance to environmental stresses</li> </ul>

**\*\* Note:** If application spray volume is greater than 15 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.

# Cucurbits Program 2008

## Including Cantaloupe, Cucumber, & Squash

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	2-3 leaves on first runner	2 oz. / acre**	<ul style="list-style-type: none"> <li>• Promotes better root development</li> </ul>
<b>HappyGro</b> + <b>PhotoGro</b> + <b>BOMO</b>	When first flowers begin on vines (early bloom) and every 14 days until harvest	2 oz. / acre** of each  5-10 oz. / acre	<ul style="list-style-type: none"> <li>• Promotes fruit set</li> <li>• Increases fruit size</li> <li>• Initiates more buds</li> </ul>
<b>Weather King</b>	21-28 days after MegaGro application	2 oz. / acre**	<ul style="list-style-type: none"> <li>• Increases tolerance to environmental stresses</li> </ul>

**\*\* Note: If application spray volume is greater than 15 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.**

# Fruiting Vegetables Program 2008

## Including Tomatoes, Peppers, & Eggplant

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	1) Spray in flats just before transplanting <b>OR</b> in "drench" water at transplanting 2) Repeat in 7-10 days (4 leaves)	Dilution ratio: 13 oz / 100 gal. water	<ul style="list-style-type: none"> <li>• Improves vigor of transplant</li> <li>• Promotes better root development</li> </ul>
<b>HappyGro + PhotoGro + BOMNZN</b>	14-21 days after MegaGro and can be re-applied every 10 days until harvest	2 oz. / acre** of each  2-15 oz. / acre	<ul style="list-style-type: none"> <li>• Early application initiates more flower buds</li> <li>• During bloom will set more fruit</li> </ul>
<b>Weather King</b>	21-28 days after HappyGro	2 oz / acre **	<ul style="list-style-type: none"> <li>• Increases tolerance to environmental stresses</li> </ul>

**\*\* Note: If application spray volume is greater than 15 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.**

# Leafy Vegetables Program 2008

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	2 Leaves	2 oz. / acre**	<ul style="list-style-type: none"> <li>• Promotes better root development</li> </ul>
<b>HappyGro</b> + <b>PhotoGro</b> + <b>BOMNZN</b>	1 <sup>st</sup> : 14-21 days after MegaGro 2 <sup>nd</sup> : 10-14 days later	2 oz. / acre** of each  5-10 oz. / acre	<ul style="list-style-type: none"> <li>• Potentially increases leaf &amp; head weight</li> <li>• Promotes lettuce quality</li> </ul>
<b>Weather King</b>	21-28 days after MegaGro application	2 oz. / acre**	<ul style="list-style-type: none"> <li>• Increases tolerance to environmental stresses</li> </ul>

**\*\* Note: If application spray volume is greater than 15 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.**

# Onion Program 2008

## Including Garlic, Leek, (seed crop see note\*)

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	2-4 inch sprout	2 oz. / acre as foliar spray**	<ul style="list-style-type: none"> <li>• Improves root system</li> <li>• Enhances internal plant metabolism</li> </ul>
<b>PhotoGro + BOMO</b>	2 weeks after MegaGro and spray every 2 weeks	2 oz / acre**  5-10 oz. / acre	<ul style="list-style-type: none"> <li>• Enhances vigor &amp; growth of bulb</li> <li>• Enhances photosynthesis and energy production</li> <li>• Increases bulb weight</li> </ul>
<b>Weather King</b>	21-28 days after MegaGro application	2 oz. / acre**	<ul style="list-style-type: none"> <li>• Increases tolerance to environmental stresses</li> </ul>

\*Note: In a seed crop, after MegaGro and PhotoGro, apply 4 oz of HappyGro in 25-30 gal water 7 days after full bloom.

\*\* Note: If application spray volume is greater than 15 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.

# Succulent Beans Program 2008

## Including Fresh Peas, Snap Beans, & Edible-Pod Peas

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	2-3 trifoliolate	2 oz. / acre**	<ul style="list-style-type: none"> <li>• Promotes better root development and more nodules</li> </ul>
<b>HappyGro</b> + <b>PhotoGro</b> + <b>BOMO</b>	10-14 days after MegaGro and repeat as necessary	2 oz. / acre** of each  5-10 oz. / acre	<ul style="list-style-type: none"> <li>• Promotes pod set</li> <li>• Potentially increases bean size and weight</li> </ul>
<b>Weather King</b>	21-28 days after MegaGro application	2 oz / acre **	<ul style="list-style-type: none"> <li>• Increases tolerance to environmental stresses</li> </ul>

**\*\* Note: If application spray volume is greater than 15 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.**

# Tuber Crops Program 2008

## Including Potatoes (Irish & Sweet), Carrots, & Radishes

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	At 2-3 leaves Repeat at 4-6 leaves on Irish potatoes	2 oz. / acre as Foliar spray**	<ul style="list-style-type: none"> <li>Promotes better root development</li> <li>Increases the absorption of moisture and nutrients</li> <li>2 applications yield best results on Irish potatoes</li> </ul>
<b>PhotoGro + BOMO</b>	<b>Irish potatoes:</b> At 8-10 leaves <u>and</u> every 2 wks up to 1 wk before vine kill. <b>Other tuber crops:</b> Spray 2 times 2 weeks apart	4 oz / acre**  5-10 oz. / acre	<ul style="list-style-type: none"> <li>Enhances growth of runners</li> <li>Potentially increases tuber weight and quality</li> </ul>
<b>Weather King</b>	21-28 days after MegaGro application	2 oz. / acre**	<ul style="list-style-type: none"> <li>Increases tolerance to environmental stresses</li> </ul>

**\*\* Note:** If application spray volume is greater than 15 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.

# Watermelon Program 2008

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	1) Foliar spray the flats just before transplanting <b>OR</b> in "drench" water at planting	Dilution ratio: 13 oz / 100 gal. water	<ul style="list-style-type: none"> <li>Promotes better root development</li> <li>Both applications are best: While in the trays (flats) before transplanting and in the field when new growth just begins to show</li> </ul>
	2) 2-3 true leaves if seeded; or when new growth appears after transplant	2 oz. / acre as Foliar spray**	
<b>PhotoGro*</b> + <b>BOMO</b> Or <b>BOMNZN</b>	At 6 leaves on 1 <sup>st</sup> runners & every 2 weeks up to 1 week before last harvest, and alternate BOMO and BOMNZN	4 oz / acre **  2.5 oz / acre  2.5 oz. / acre	<ul style="list-style-type: none"> <li>Enhances vigor in growth of runners and flowering</li> <li>Increases fruit size and weight</li> </ul>
<b>Weather King</b>	21-28 days after MegaGro application	2 oz. / acre**	<ul style="list-style-type: none"> <li>Increases tolerance to environmental stresses</li> </ul>

\* Note: Add HappyGro to PhotoGro if new runners are desired after 1<sup>st</sup> harvest.

\*\* Note: If application spray volume is greater than 15 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.

# Tobacco Program 2008

1. LTB products must be applied according to the procedures outlined below:
2. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
3. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
4. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	Spray in flats 3 days before transplanting	Dilution ratio: 13 oz / 100 gal. water	<ul style="list-style-type: none"> <li>• Improves vigor of transplant</li> <li>• Promotes better root development</li> </ul>
<b>MegaGro + Weather King + BOMNZN</b>	10-14 days after transplanting and can be re-applied every 14 days until harvest	2 oz. / acre** of each  5-10 oz. / acre	<ul style="list-style-type: none"> <li>• Increases leaf size and quality</li> <li>• Increases tolerance to environmental stresses</li> </ul>

**\*\* Note:** If application spray volume is greater than 15 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.

# Sunflower Program 2008

5. LTB products must be applied according to the procedures outlined below:
6. After the spray tank is mixed with other chemicals and/or water, **the pH must be neutral or slightly acidic (pH 7.0 or less)**. LTB products are to be added to tank lastly.
7. If rainfall sufficient to wash off product occurs within 4 hours of application, **re-treatment is required**.
8. Application timing is very important, so **the earlier application is strongly recommended**.

Product Used	Application Timing	Minimum Application Rate	Benefits (as compared to untreated check)
<b>MegaGro</b>	First application at 2- to 4-leaf stage  Can re-apply 14 days after first application	2 oz. / acre	<ul style="list-style-type: none"> <li>• Increased root development</li> <li>• Increased stalk diameter</li> </ul>
<b>BOMNZN</b>	V2 to full flower	5 to 10 oz / acre	<ul style="list-style-type: none"> <li>• Increased grain size and quality</li> </ul>
<b>WeatherKing</b>	V2 to pre-flower	2 oz. / acre	<ul style="list-style-type: none"> <li>• Protects against environmental stresses</li> </ul>
<b>HappyGro &amp; PhotoGro</b>	Pre- to early flower	2 oz / acre of each	<ul style="list-style-type: none"> <li>• Promotes more seed production</li> <li>• Speeds up maturity</li> </ul>

**\*\* Note:** If application spray volume is greater than 15 gallons per acre, use the dilution rate of 13 oz. per 100 gallons of water.