

# ONWARD<sup>MAX</sup>

**A plant growth regulator for enhancing shoot and root growth, photosynthesis, abiotic stress resistance, mineral uptake, and production of listed food crops**

<b>ACTIVE INGREDIENTS:</b>	<b>By Wt.</b>
Cytokinin (as kinetin):.....	0.25%
Gamma Aminobutyric Acid (GABA):.....	2.00%
Choline Chloride:.....	4.00%
<b>OTHER INGREDIENTS:.....</b>	<b>93.75%</b>
<b>TOTAL:</b>	<b>100.00%</b>

## **KEEP OUT OF REACH OF CHILDREN CAUTION**

See(back) (side) panel for additional Precautionary Statements and Directions for Use

<b>FIRST AID</b>	
<b>If in eyes:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye</li><li>• Call a poison control center or doctor for treatment advice</li></ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For non-emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 (NPIC Web site: <a href="http://www.npic.orst.edu">www.npic.orst.edu</a> ).	
<b>For general product information, call AgXplore International, LLC at (573) 357-4506 between the hours of 8 a.m. – 5 p.m. Central Time</b>	

**EPA REG. NO. 90866-31-95775**

**EPA EST. NO. 90866-CA-001**

**Produced for:**

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**Net Contents: 2.5 U.S. GAL (9.463 L)**

**Batch No:**

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION.** Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using toilet.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**USER SAFETY RECOMMENDATIONS**

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

For Terrestrial Uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean highwater mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

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**DIRECTIONS FOR USE**

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It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during applications. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard.

**Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.**

PPE required for early entry to treated areas (that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water), is: coveralls, socks, shoes, chemical resistant gloves.

## PRODUCT INFORMATION

**OnWard™ MAX** is a plant growth regulator for enhancing shoot and root growth, photosynthesis, abiotic stress resistance, and mineral uptake. **OnWard™ MAX** is specifically designed to enhance fruit/grain growth on the crops listed below. It supports the development of reproductive tissues, pollination of flowers and retention of seeds and fruits. The fortified cytokinin in **OnWard™ MAX** allows better management of yield and quality for production of labeled crops.

Always make a sample of **OnWard™ MAX** and other products to determine tank mix compatibility prior to application.

Mix the specified amount of **OnWard™ MAX** in water to create a 0.5% solution and apply with sufficient volume for uniform and thorough coverage of foliage and/or fruit. Due to reduced coverage with gallonage of 5 gallons per acre or less, aerial application requires a minimum dose of 6.4 oz./acre (see footnote (3) below). Refer to the specific mixing rates in the table below.

### Generally Recommended Spray Volume (Gal/Acre)

CROP/CROP GROUP	GROUND		AIR	
	Adequate Coverage	Best Coverage	Adequate Coverage	Best Coverage
Field Crops, Miscellaneous	10.0	20.0	2.0	5.0
Berry and Small Fruits, Vegetables, Vines	25.0	100.0	5.0	10.0
Pome Fruits, Stone Fruits, Tree Crops and Tree Nuts	50.0	100.0	10.0	20.0
Citrus	50.0	100.0	10.0	20.0

## APPLICATION INSTRUCTIONS

Crop/Crop Group	Application Timing	Rate/Acre	Ground Application
			Water Volume/ Acre
Brassica Vegetables Group. [Crops such as Broccoli, Cauliflower, Cabbage, and Mustard greens]	1 <sup>st</sup> application: at pre-button stage	16.0 to 25.6 fl. oz. <sup>(3)</sup>	25.0 to 40.0 gal.
	2 <sup>nd</sup> application: 21 days after first application		
Bulb Vegetables Group. [Crops such as Garlic, Leek, and Onion]	1 <sup>st</sup> application: at 4-6 leaf stage	16.0 to 32.0 fl. oz.	25.0 to 50.0 gal.
	2 <sup>nd</sup> application: can be made after bulb bulking begins		
Cotton, acala, pima, and short staple varieties	1 <sup>st</sup> application: at first bloom	6.4 to 16.0 fl. oz. <sup>(3)</sup>	10.0 to 25.0 gal.
	2 <sup>nd</sup> application: 14-21 days later if needed. When combining with fungicides, assure thorough coverage.		
Coffee	Apply at beginning of flowering: additional applications may be made at 30-day interval as needed	32.0 to 64.0 fl. oz.	50.0 to 100.0 gal.
Cucurbit Vegetables Group. [Crops such as Cucumber, Cantaloupe, Honeydew, Muskmelon, Summer squash, and Watermelon]	1 <sup>st</sup> application: at early fruiting stage	9.6 to 38.0 fl. oz. <sup>(3)</sup>	15.0 to 60.0 gal.
	2 <sup>nd</sup> application: as needed, 21 days after first application		
Fruiting Vegetables Group. [Crops such as Tomato, Eggplant, and Pepper]	1 <sup>st</sup> application: at bloom	9.6 to 38.0 fl. oz. <sup>(3)</sup>	15.0 to 60.0 gal.
	2 <sup>nd</sup> application: as needed, 21 days after first application		
Pome Fruits Group. [Crops such as Apple and Pear]	1 <sup>st</sup> application: post thinning unless diminished bloom creates a need to save fruit, then first application at bloom	32.0 to 64.0 fl. oz.	50.0 to 100.0 gal.
	2 <sup>nd</sup> application: as needed, 21 days after first application		
Small Fruits Group. [Crops such as Blackberry, Blueberry, Raspberry, and Strawberry]	1 <sup>st</sup> application: at bloom	16.0 to 48.0 fl. oz. <sup>(3)</sup>	25.0 to 75.0 gal.
	2 <sup>nd</sup> application: as needed, 21 days after first application		
Stone Fruits Group. [Crops such as Cherry, Peach, Nectarine, Apricot, and Plum]	1 <sup>st</sup> application: post thinning unless diminished bloom creates a need to save fruit, then first application at bloom	32.0 to 64.0 fl. oz.	50.0 to 100.0 gal.
	2 <sup>nd</sup> application: as needed, 21 days after first application		
Grapes including table, wine, and raisin varieties	1 <sup>st</sup> application: at early bloom	16.0 to 25.6 fl. oz. <sup>(3)</sup>	25.0 to 40.0 gal.
	2 <sup>nd</sup> application: as needed, 21 days after first application	32.0 to 64.0 fl. oz.	50.0 to 100.0 gal.

Crop/Crop Group	Application Timing	Rate/Acre	Ground Application
			Water Volume/ Acre
Herbs and Spice Group. [Crops such as Basil, Dill, Mustard, and Sage]	1 <sup>st</sup> application: during mid-season growth	16.0 to 25.6 fl. oz.	25.0 to 40.0 gal.
	2 <sup>nd</sup> application: as needed, 21 days after first application		
Hemp	1 <sup>st</sup> application: at early bloom	9.6 to 32.0 fl. oz. <sup>(3)</sup>	15.0 to 50.0 gal.
	2 <sup>nd</sup> application: as needed, 21 days after first application		
Hops	1 <sup>st</sup> application: at inflorescence emergence	16.0 to 48.0 fl. oz. <sup>(3)</sup>	25.0 to 75.0 gal.
	2 <sup>nd</sup> application: may be made 14-21 days later		
Leafy Vegetables Group. [Crops such as Celery, Head lettuce, Leaf lettuce, and Spinach]	1 <sup>st</sup> application: during mid-season growth	8.0 to 12.8 fl. oz. <sup>(3)</sup>	25.0 to 40.0 gal.
	2 <sup>nd</sup> application: as needed, 21 days after first application		
Legume Vegetables Group. (succulent and dried) [Crops such as Beans (all types), Peas, and Soybeans <sup>(1)(2)</sup> ]	Begin applications at 10% bloom	6.4 to 16.0 fl. oz. <sup>(3)</sup>	10.0 to 25.0 gal.
	2 <sup>nd</sup> application: as needed, 21 days after first application. When combining with fungicides, assure thorough coverage.		
Non-grass Animal Feeds such as Alfalfa, Clover, Hay and Vetch	Seedling alfalfa, clover, hay and vetch: Apply before first cutting. For established crop, apply at green-up and 5-10 days after cutting.	6.4 to 16.0 fl. oz. <sup>(3)</sup>	10.0 to 25.0 gal.
Peanut including all commercial varieties	1st application: at pegging	9.6 to 16.0 fl. oz. <sup>(3)</sup>	15.0 to 25.0 gal.
	2nd application: during pod fill		
Oil Seed Crops Group. [Crops such as Canola <sup>(1)(2)</sup> , Flax, and Sunflower]	1st application: at flower to full flower. When combining with fungicides, assure thorough coverage.	6.4 to 16.0 fl. oz. <sup>(3)</sup>	10.0 to 25.0 gal.
	2nd application: as needed, 21 days after first application		
Corn <sup>(1)(2)</sup> (field, pop, sweet)	Make 1st application from just before tassel, up until full tassel. When combining with fungicides, assure thorough coverage.	6.4 to 16.0 fl. oz. <sup>(3)</sup>	10.0 to 25.0 gal.
	2nd application: may be made 14 days later		
Citrus Fruit Group. [Crops such as Grapefruit, Lemon, Lime, Sweet Orange, and Tangerine]	1st application: at bloom	32.0 to 64.0 fl. oz.	50.0 to 100.0 gal.
	2nd application: as needed, 21 days after first application		
Small Grains Group. [Crops such as Barley, Millet, Oat, Rice, Rye, Sorghum, and Wheat]	1st application: at vegetative stage, before bloom until grain set	6.4 to 16.0 fl. oz. <sup>(3)</sup>	10.0 to 25.0 gal.

Crop/Crop Group	Application Timing	Rate/Acre	Ground Application Water Volume/ Acre
Root Vegetables Group. [Crops such as Carrot, Ginseng, Horseradish, Parsley (turnip-rooted), Radish, and Turnip]	Application at 4-6 leaf stage	9.6 to 16.0 fl. oz. <sup>(1)</sup>	15.0 to 25.0 gal.
Sugar beet	Application at 6-8 leaf stage for root size. Apply at row closure to increase sugar production	9.6 to 16.0 fl. oz. <sup>(1)</sup>	15.0 to 25.0 gal.
Tree Nuts Group. [Crops such as Almond, Pistachio, Walnut, and Pecan]	1 <sup>st</sup> application: at 10% to full bloom	32.0 to 64.0 fl. oz.	50.0 to 100.0 gal.
	2 <sup>nd</sup> application: at small fruit set		
Tuber Vegetables Group. [Crops such as Potato, Sweet potato, and Yam]	1 <sup>st</sup> application: at tuber bulking stage or bloom	9.6 to 16.0 fl. oz. <sup>(1)</sup>	15.0 to 25.0 gal.

(1) Follow the most restrictive of the labeling limitations and precautions of all products used in mixtures. Always make a sample of **OnWard™ MAX** and other products to determine tank mix compatibility prior to application. This product can be tank mixed with glyphosate products registered for use on Roundup Ready® crops.

(2) Follow the most restrictive of the labeling limitations and precautions of all products used in mixtures. Always make a sample of **OnWard™ MAX** and other products to determine tank mix compatibility prior to application. This product can be tank mixed with products registered for use on LibertyLink® crops.

(3) Carrier volumes of 10 gallons per acre or less require the use of 6.4 oz./acre minimum due to reduced coverage, which includes aerial applications. Aerial application with 9.9 gallons per acre or less requires the use of 6.4 oz/acre minimum due to reduced coverage but increased concentration. Aerial applications with 10 or more may use the recommended 0.5% solution.

### For Greenhouse Establishment or Production

Crop Group	Amount of Onward	Application Directions and Timing
Leafy Vegetables Group. [Crops such as Celery, Head and leaf lettuce, Kale, Spinach, and Herbs]	64.0 oz/100 gallons in 30 to 80 gallons per acre	• 1 <sup>st</sup> application: mid vegetative growth • 2 <sup>nd</sup> application: can be made 21 to 30 days later
Fruiting Vegetables Group. [Crops such as Eggplant, Pepper, and Tomato]	64.0 oz/100 gallons in 30 to 80 gallons per acre	• 1 <sup>st</sup> application: at bloom • 2 <sup>nd</sup> application: can be made 21 to 30 days later

## ORNAMENTALS

### Greenhouse and Nursery Grown Ornamentals

Differences in responsiveness may vary from one cultivar to another or from one set of growing conditions to another. Unless previous experience dictates otherwise, prior to widespread use, test a small number of plants from each cultivar to verify desired efficacy.

### APPLICATION INSTRUCTIONS

**OnWard™ MAX** is applied to foliage of ornamentals and leaves of bedding plants. Mixing instructions: dilute 6.4 fluid ounces of **OnWard™ MAX** in 10 gallons (189.3 mL/10 gal) of water (1:200 dilution); for smaller quantities, mix 0.64 fluid ounces **OnWard™ MAX** (1.3 Tbsp or 19.2 mL) per 1 gallon of water. Use sufficient volume of water to obtain uniform coverage. Thorough coverage is necessary for best results.

<b>Plant</b>	<b>Timing</b>	<b>OnWard™ Max Rate</b>	<b>Volume of Water</b>
<b>Foliage Plants:</b> Aglaonema, Ajuga, Anthurium, Aphelandra, Caladium, Cissus, Dieffenbachia, Dracaena, Ficus, Fittonia, Gynura, Hoya, Maranta, Palms, Peperomia, Philodendron, Pilea, Pothos, Schefflera, Schlumbergera, Spathiphyllum, Syngonium, Tradescantia and similar foliage plants	1 <sup>st</sup> application: at the beginning of the season	1.3 tbsp.	1.0 gal.
	Subsequent applications: spray foliage 2-3 times throughout the year at even intervals	6.4 oz.	10.0 gal.
<b>Bedding and Flowering Plants:</b> Abutilon, Aglais, Alyssum, Calceolaria, Canna, Carnation, Champaca, Chrysanthemum, Cineraria, Columbine, Coral Bells, Cyclamen, Dahlia, Delphinium, Dianthus, Foxglove, Fuchsia, Gardenia, Gazania, Geranium, Gladiolus, Gloxinia, Impatiens, Iris, Jasminum, Lily, Lupine, Marigold, Michelia, Monarda, Osmachus, Petunia, Poinsettia, Portulaca, Roses, Salvia, Scabiosa, Sedum, Sempervivum, Tulips, Vinca, Zinnia, and similar plants	<b>Bedding Plants:</b> 1 <sup>st</sup> application: at 3-5 leaf stage	1.3 tbsp.	1.0 gal.
	2 <sup>nd</sup> application: at 10-14 days prior to sale	2.6 oz.	4.0 gal.
	<b>Established Plants:</b> 1 <sup>st</sup> application: at 21-30 days after transplanting or in the Spring as re-growth begins  2 <sup>nd</sup> application: at flowering	6.4 oz.	10.0 gal.
<b>Woody Ornamentals:</b> Arborvitae, Aucuba, Azalea, Boxwood, Carissa, Chinese magnolia, English Ivy, Holly, Juniper, Maple, Pine, Podocarpus, Rhododendron, Viburnum, and similar plants	1 <sup>st</sup> application: early in the season as new growth begins  Subsequent applications: every 30 days as necessary	6.4 oz.	10.0 gal.
<b>Garden Grown Tree Fruits:</b> Apple, Asian pear, Apricot, Cherry, Fig, Guava, Grape, Jujube, Kumquat, Lemon, Litchi, Longara, Mango, Orange, Peach, Persimmon, Plum, Prunus, Starfruit and similar plants	1 <sup>st</sup> application: when fruit size is approximately 3-5 mm  2 <sup>nd</sup> application: 40 days prior to harvest	2.6 oz.	4.0 gal.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Keep containers tightly closed when not in use.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container.

Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. **For chemical spill, leak, fire or exposure, call CHEMTREC at 1-800-424-9300.**

## LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants that this product conforms to the chemical description on the label; that this product is reasonably fit for the purposes set forth in the Directions for Use when it is used in accordance with such Directions; and that the Directions, and other statements on this label, are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS. BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE SHALL BE LIMITED, TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT, INCONSEQUENTIAL, OR PUNITIVE DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

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Roundup Ready® is a registered trademark of the Monsanto Company.

LibertyLink® is a registered trademark of Bayer CropScience.

### Formulated For

**AgXplore International, LLC**

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