



## Section 2(ee) Recommendation

Date: June 30, 2014

Product: Orion® Herbicide  
EPA Reg. No. 100-1307

Use: 1) Tank mixture of Orion Herbicide with broadleaf herbicide partners for broad spectrum broadleaf weed control in wheat and barley. 2) Tank mixture of Orion Herbicide with Axial® XL Herbicide for broadleaf and grass weed control in wheat and barley. 3) Tank mixture of Orion Herbicide with Discover® NG Herbicide for broadleaf and grass weed control in wheat. 4) Tank mixture of Orion Herbicide with Axial® Star Herbicide for broadleaf and grass weed control in wheat and barley. 5) Tank mixture of Orion Herbicide with Sierra® Herbicide for broadleaf and grass weed control in wheat. 6) Tank mixture of Orion Herbicide with Tilt® Fungicide or Quilt® Fungicide for broadleaf weed control and early season disease suppression in wheat and barley. 7) Tank mixture of Orion Herbicide with liquid nitrogen fertilizers.

State: ID, MN, MT, ND, SD, WA, WY

### Directions for Use

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- The user must refer to the federally approved labels for the above noted product and read and follow all directions for use, restrictions, and precautions.
- The user should have this recommendation in its possession at the time of use.
- This recommendation for use of this product is permitted under Section 2(ee) of FIFRA and has not been submitted to or been approved by EPA.

#### 1) Tank Mixture of Orion Herbicide with Broadleaf Herbicide Partners for Broad Spectrum Broadleaf Weed Control in Wheat and Barley

**Russian Thistle (*Salsola tragus*)** – Orion Herbicide at 17 fl oz/A may be applied in combination with the following broadleaf tank mix partners for improved control of Russian thistle and other broadleaf weeds listed on the Orion Herbicide label. Apply when Russian thistle is less than 2 inches in height.

Tank Mix Partner	Rate (pt/A)
Starane® Ultra <sup>1</sup>	0.3-0.4
Buctril® <sup>2</sup>	1.0

<sup>1</sup>Other equivalent products containing the active ingredient fluroxypyr may be used. Consult the specific product label for recommended rates.

<sup>2</sup>Other equivalent products containing the active ingredient bromoxynil may be used. Consult the specific product label for recommended rates.

**Kochia (*Kochia scoparia*)** – Orion Herbicide at 17 fl oz/A may be applied in combination with the following broadleaf tank mix partners for improved control of kochia and other broadleaf weeds listed on the Orion Herbicide label. Apply when kochia is past the button stage (blue stage) but less than 4 inches in height.

Tank Mix Partner	Rate (pt/A)
Starane® Ultra <sup>1</sup>	0.3–0.4
Buctril® <sup>2</sup>	1.0

<sup>1</sup>Other equivalent products containing the active ingredient fluroxypyr may be used. Consult the specific product label for recommended rates.

<sup>2</sup>Other equivalent products containing the active ingredient bromoxynil may be used. Consult the specific product label for recommended rates.

**Canada Thistle (*Cirsium arvense*)** – Orion Herbicide at 17 fl oz/A will provide top growth suppression of Canada thistle. Orion Herbicide may be tank mixed with clopyralid containing products such as Stinger®, WideMatch®, or Colt® AS for improved top growth suppression. Apply when Canada thistle is in the rosette to pre-bud growth stage.

**The user must refer to the federally approved Orion Herbicide label and labels of all products referenced in Section 1 of this recommendation and read and follow all applicable directions for use, restrictions and precautions.**

**2) Tank Mixture of Orion Herbicide with Axial XL Herbicide for Broadleaf and Grass Weed Control in Wheat and Barley**

Orion Herbicide at 17 fl oz/A may be tank mixed with Axial XL Herbicide at 16.4 fl oz/A for control of broadleaf and grass weeds in wheat and barley. Refer to the Orion Herbicide and Axial XL Herbicide labels for broadleaf and grass weeds controlled.

**The user must refer to the federally approved Orion Herbicide and Axial XL Herbicide labels referenced in Section 2 of this recommendation and read and follow all applicable directions for use, restrictions and precautions.**

**3) Tank Mixture of Orion Herbicide with Discover NG Herbicide for Wild Oat, Volunteer Oat and Broadleaf Weed Control in Wheat**

Orion Herbicide at 17 fl oz/A may be tank mixed with Discover NG Herbicide at 12.8 – 16 fl oz/A for control of wild oat, volunteer oat and broadleaf weeds in wheat. Refer to the Orion Herbicide label for broadleaf weeds controlled.

**The user must refer to the federally approved Orion Herbicide and Discover NG Herbicide labels referenced in Section 3 of this recommendation and read and follow all applicable directions for use, restrictions and precautions.**

**4) Tank Mixture of Orion Herbicide with Axial Star Herbicide for Broadleaf and Grass Weed Control in Wheat and Barley**

Orion Herbicide at 17 fl oz/A may be tank mixed with Axial Star Herbicide at 16.4 fl oz/A for control of broadleaf and grass weeds in wheat and barley. Refer to the Orion Herbicide and Axial Star Herbicide labels for broadleaf and grass weeds controlled.

**The user must refer to the federally approved Orion Herbicide and Axial Star Herbicide labels referenced in Section 4 of this recommendation and read and follow all applicable directions for use, restrictions and precautions.**

## **5) Tank Mixture of Orion Herbicide with Sierra Herbicide for Broadleaf and Grass Weed Control in Wheat**

Orion Herbicide at 17 fl oz/A may be tank mixed with Sierra Herbicide at 0.5-1 fl oz/A for broadleaf and grass weed control in wheat. Refer to the Orion Herbicide and Sierra Herbicide labels for broadleaf and grass weeds controlled.

**The user must refer to the federally approved Orion Herbicide and Sierra Herbicide labels referenced in Section 5 of this recommendation and read and follow all applicable directions for use, restrictions and precautions.**

## **6) Tank Mixture of Orion Herbicide with Tilt Fungicide or Quilt Fungicide for Broadleaf Weed Control and Early Season Disease Suppression in Wheat and Barley**

**Orion Herbicide Tank Mix with Tilt Fungicide** – Orion Herbicide may be tank mixed with Tilt Fungicide for broadleaf weed control and early season disease suppression in wheat and barley. Apply Orion Herbicide at 17 fl oz/A in a tank mix with Tilt Fungicide at labeled use rates. Add Orion Herbicide to the tank first, followed by Tilt Fungicide. Refer to the Orion Herbicide label for broadleaf weeds controlled. Refer to the Tilt Fungicide label for specific use directions, application rates, restrictions, and a list of diseases suppressed and/or controlled.

**Orion Herbicide Tank Mix with Quilt Fungicide** – Orion Herbicide may be tank mixed with Quilt Fungicide for broadleaf weed control and early season disease suppression in wheat and barley. Apply Orion Herbicide at 17 fl oz/A in a tank mix with Quilt Fungicide at 7 fl oz/A. Add Orion Herbicide to the tank first, followed by Quilt Fungicide. Refer to the Orion Herbicide label for broadleaf weeds controlled. Refer to the Quilt Fungicide label for specific use directions, restrictions, and a list of diseases suppressed and/or controlled. **Note:** Under certain environmental conditions, tank mixes of Quilt Fungicide plus herbicides may cause crop injury.

**The user must refer to the federally approved Orion Herbicide, Quilt Fungicide and Tilt Fungicide labels referenced in Section 6 of this recommendation and read and follow all applicable directions for use, restrictions and precautions.**

## **7) Tank Mixture of Orion Herbicide with Nitrogen Fertilizers**

Orion Herbicide may be mixed in a spray solution containing up to 50% liquid nitrogen fertilizer. Add Orion Herbicide to the water first. Mix thoroughly, then add the liquid nitrogen fertilizer in an amount no greater than 50% of the final volume. **Note:** Under certain environmental conditions, mixtures of liquid nitrogen fertilizers as a partial carrier may cause crop burn.

When using Orion Herbicide with approved herbicide tank-mix partners, consult the label of the partner product and follow any additional instructions or restrictions on that label which relate to mixture with liquid nitrogen fertilizers.

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2(ee) Registrant:  
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