



# Clearfield® Plus

Production System for Wheat

## Maximize Your ROI with the Clearfield® Production System for Wheat

### Benefits of Clearfield Technology

- **Provides broad-spectrum grass and broadleaf weed control** resulting in cleaner fields and greater yields
- **Reduces dockage** due to presence of weed seed (ex., jointed goatgrass) in the harvested grain
- **Reduces the potential for grain discounts** by helping manage feral rye leading to **lower foreign matter percentage** in the grain
- **Helps manage contrasting wheat classes** (ex., of non-herbicide tolerant wheat) in wheat fields

### Beyond® Herbicide: Early Postemergence Application Clearfield Wheat



**Beyond Herbicide @ 4.0 oz/A + NIS + UAN (Sprayer Skip)**

Pryor, MT. Photo Date: 6/6/12, 45 days after application. Primary weed: downy brome.

**Clearfield Technology lets you forget about weeds and focus on yield.** By controlling yield-robbing weeds, your field can produce wheat that will reward you at the elevator with greater yield, less dockage and higher grain quality.

### Get The Most From Your Fields

Price Discount Variables	Improved by Clearfield
Test weight	-
Grain grade	✓
Foreign material	✓
Moisture content	-
Dockage	✓

Technical Information Bulletin

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# Critical Weed Populations Affecting Wheat Yield and Grain Quality

Key Weeds <sup>1</sup>	Beyond <sup>®</sup> Herbicide	Osprey <sup>®</sup> Herbicide <sup>2</sup>	Everest <sup>®</sup> Herbicide	Maverick <sup>®</sup> Herbicide <sup>3</sup>	Olympus <sup>™</sup> Herbicide <sup>3</sup>	Powerflex <sup>®</sup> HL Herbicide
Wild oat	C	C	C	C	S <sup>4</sup>	C
Foxtail spp.	C	•	C	S	•	C
Volunteer cereals	C	•	•	•	•	•
Brome spp.	C	S	S	S	S <sup>5</sup>	C
Persian darnel	C	•	S	•	•	•
Jointed goatgrass	C	S	•	•	•	•
Feral rye	S	•	•	•	•	•
Italian ryegrass	C	C	S	S	•	•
Mustard spp.	C	C	C	C	C	C
Pigweed spp.	C	S	C	•	C	C
Russian thistle	S	•	•	•	•	C
Kochia	C <sup>6</sup>	•	•	•	•	•
Wild buckwheat	S	•	S	•	•	S
ALS-resistant weed biotypes	•	•	•	•	•	•

**C=Controlled, S=Suppressed, •=No Control or Not Labeled.**

1. Weed control ratings based on product label ratings and target weed sizes. No control of ALS-resistant weed biotypes. 2. Not registered for use in MN. 3. Based on spring POST application.

4. Suppression outside of ID, MT, OR and WA. 5. Japanese brome (controlled); Downy brome (suppressed). 6. Tank mixture with Beyond herbicide will be required and recommended for acceptable control of Kochia (≤2 inches tall).

## Best Use Recommendations

### Beyond Herbicide Rate

- Use Rate: 4–6 fl oz/A
- Rate depends on size of grass and plant population
- Maximum 5 oz/A for spring wheat varieties

### Surfactants

- NIS (0.25% v/v + UAN\*)
- MSO (1 v/v + UAN\*)—Clearfield Plus only

### Timing (Spring, Fall or Sequential)

- Clearfield Wheat Staging: tiller initiation to jointing
- Grass Weed Staging\*\*: apply prior to 4–5 leaf

### Tankmix Partners

- Clarity<sup>®</sup> herbicide, Bronate<sup>®</sup>, Buctril<sup>®</sup>, Curtail<sup>®</sup>, MCPA, 2, 4-D ester, and Starane<sup>®</sup>
- Do not tank mix Beyond herbicide with SU herbicides (e.g. Amber<sup>®</sup>, Ally<sup>®</sup>, Express<sup>®</sup>)
- Do not use an MSO when tankmixing a broadleaf herbicide

\*1 gal/A UAN or 15 lbs/100 gal of spray solution. \*\*See specific grass recommendations on product label.

## Clearfield<sup>®</sup> Plus Stewardship Recommendations

To ensure that the benefits of **Clearfield** Plus technology continue to be available to wheat producers, certain stewardship practices should be followed. **Clearfield** wheat producers are asked to help protect and prolong the usefulness of this technology by following specific requirements and recommendations.

- **Plant Certified Seed:** Purchase new seed (registered or certified) every year from an authorized **Clearfield** seed retailer. This means that saving seed to plan next year's crop is not allowed. Use of registered or certified seed ensures proper herbicide tolerance to **Beyond** herbicide and prevents contamination from a non-Clearfield variety.
- **Spray Beyond Herbicide:** Use **Beyond** herbicide to obtain the maximum benefit of the **Clearfield** wheat technology according to label directions.
- **Rotate Land:** Avoid continuous use of **Clearfield** wheat on the same acre(s) to reduce the onset of weedy off-types. Rotation of **Clearfield** wheat with spring crops such as corn, sorghum, soybeans, dry beans or peas, breaks the cycle of winter annual weeds and allows the use of alternate mode-of-action herbicides. Don't rotate consecutively with another **Clearfield** crop such as **Clearfield** sunflower or **Clearfield** canola. Also, properly manage weeds in wheat-fallow-wheat rotations. In the fallow year, control weeds (especially winter annuals) before they set seed through the use of burndown (non-ALS-inhibiting) herbicides and/or tillage.
- **Rotate Herbicides:** Limit the sole reliance on ALS-inhibiting herbicides (Group 2). ALS-inhibiting herbicides should be used no more than 2 out of 4 years in an effort to lessen the onset of ALS-resistance weeds.



Production System for Wheat



Clearfield<sup>®</sup> Production System Herbicide

### Always read and follow label directions

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