



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

 - **BASF**

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Critical Weed Populations Affecting Wheat Yield and Grain Quality

Key Weeds ¹	Beyond [®] Herbicide	Osprey [®] Herbicide ²	Everest [®] Herbicide	Maverick [®] Herbicide ³	Olympus [™] Herbicide ³	Powerflex [®] HL Herbicide
Wild oat	C	C	C	C	S ⁴	C
Foxtail spp.	C	•	C	S	•	C
Volunteer cereals	C	•	•	•	•	•
Brome spp.	C	S	S	S	S ⁵	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 ⁶	•	•	•	•	•
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[®] herbicide, Bronate[®], Buctril[®], Curtail[®], MCPA, 2, 4-D ester, and Starane[®]
- Do not tank mix Beyond herbicide with SU herbicides (e.g. Amber[®], Ally[®], Express[®])
- 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[®] 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.



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Clearfield[®] Production System Herbicide

Always read and follow label directions

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