



**BEYOND™**  
HERBICIDE | for CLEARFIELD® wheat

# Technical Information Bulletin

**BASF**  
The Chemical Company

## Keys to Success – CLEARFIELD® Wheat Spray Guide

### Beyond™ Herbicide Timing

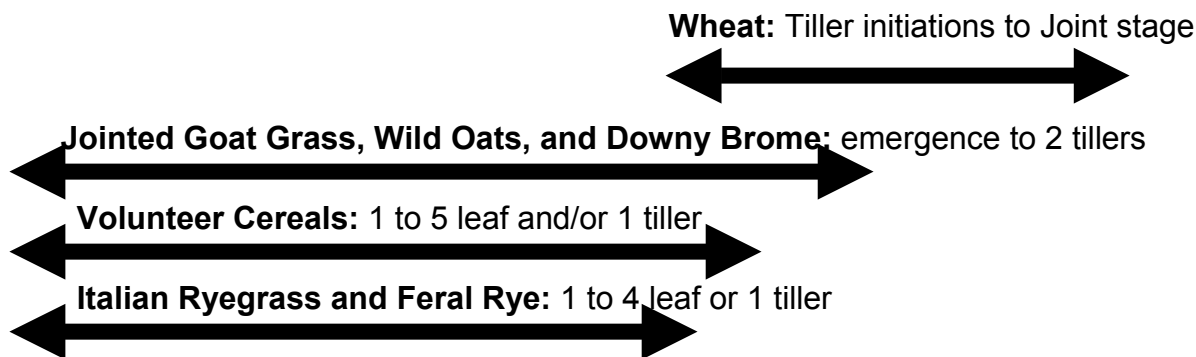
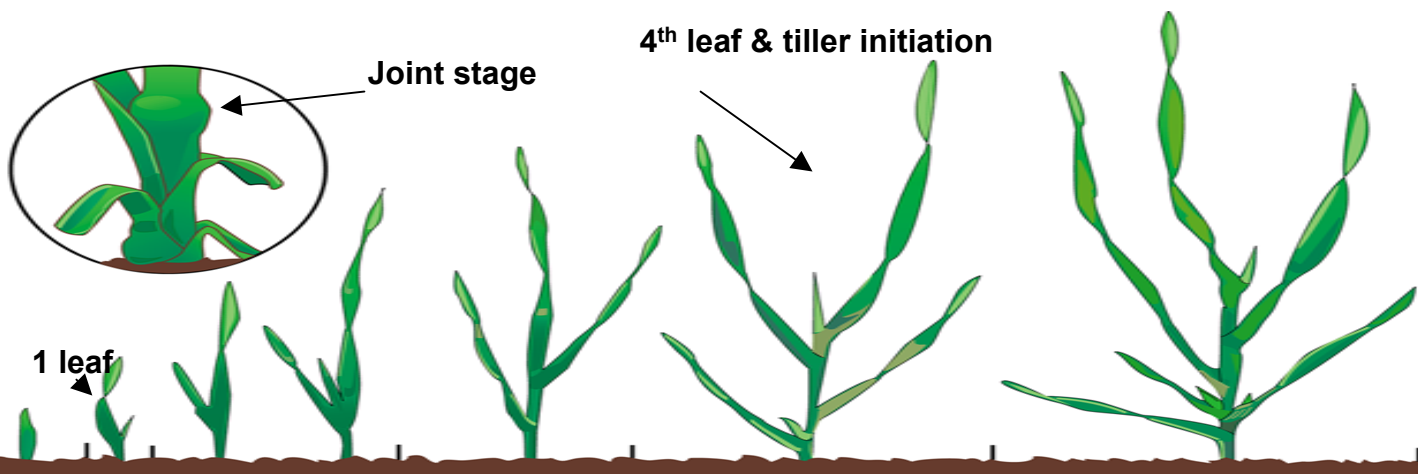
- ❑ Applications of Beyond can be made in the Fall or Spring
- ❑ Apply to actively growing wheat and weeds
- ❑ Apply when target weeds have emerged

### Beyond Application Rates

- ❑ Beyond: 4 to 6 fl oz/acre
- ❑ Adjuvant: non-ionic surfactant at 1 qt/100 gallons of spray solution
- ❑ Fertilizers: 2.5 gallons/100 gallons of nitrogen spray solution or AMS at 12 – 15 pounds/100 gallons of spray solution

### Beyond Tank Mixes

**BEYOND** may be tank mixed with Clarity®, Banvel®, Bronate®, Buctril®, Curtail®, MCPA, 2,4-D, and Starane®



Refer to back page for maximizing crop performance and weed control

# Guide For Maximizing Crop Performance and Weed Control

## CLEARFIELD® Production System For Wheat

Environmental stresses contribute to crop response with most herbicides including Beyond™ herbicide in CLEARFIELD wheat. Stressed wheat is more likely to exhibit herbicide Symptoms. In most cases these symptoms are temporary, but under some conditions, crops under multiple stresses may recover slowly.

### Cultural Practices

- ✓ Prepare good seedbed
- ✓ Ensure good seed to soil contact
- ✓ Plant seed in moisture zone
- ✓ Plant at a minimum depth of 1 ½ inches
- ✓ Minimize surface residue
- ✓ Maintain optimum fertility levels
- ✓ Avoid cereal re-cropping without good pre-crop management practices that may include: tillage, stubble burning, etc.

### Application Recommendations

- ✓ It is recommended to spray with a minimum of 10 GPA of water for ground applications, and 5 GPA of water for aerial applications
- ✓ Minimize spray overlaps
- ✓ Maintain uniform spray coverage, and avoid aerial applications in sloping terrain
- ✓ Aerial applications may decrease weed control and crop safety
- ✓ Ensure wheat is in proper growth stage for both Beyond and tank mix partner

### Crop Stage

- ✓ Spray when wheat has started to tiller but prior to jointing
- ✓ Spray wheat after secondary roots have begun to develop
- ✓ Spray actively growing wheat
- ✓ Avoid spraying wheat under stresses that may include adverse weather conditions, poor fertility regimes, and/or disease

### Environmental Conditions

- ✓ Spray only when maximum daily temperatures are expected to exceed 40°F
- ✓ Avoid spraying under prolonged cool, wet, and overcast conditions
- ✓ Avoid spraying when the wheat plant is under stress conditions such as moisture extremes, cold temperatures, disease, and/or insect damage

### Weed Stage

- ✓ For optimum grass control, spray grasses prior to tillering; Spraying large multi-tillered weedy grasses like feral rye and Italian ryegrass may only provide suppression
- ✓ Spray only actively growing weeds
- ✓ Less than satisfactory control may result if grasses are under stresses such as drought, moisture, temperature, and high populations

### If Crop Response Occurs

- ✓ Infrequently, wheat sprayed with Beyond may display temporary shortening of internodes and yellowing
- ✓ Plant stress conditions can prevent normal rates of metabolism of Beyond herbicide
- ✓ Crop response should disappear once the plant begins to actively grow

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**Always read and follow label directions**