

Beyond Herbicide



Wheat, rice, sunflower, lentil and canola growers across the country are discovering the benefits of **Beyond®** herbicide as part of the **Clearfield®** Production System. **Beyond** herbicide delivers superior contact and residual control of key grasses and tough broadleaf weeds, giving your crops relief from having to compete for vital resources.



How Beyond Herbicide® Works

When using the **Clearfield®** Production System for rice, **Beyond** herbicide provides superior knockdown action on red rice, barnyardgrass, broadleaf signalgrass, fall panicum and other late season weeds. It can be used at 4-leaf stage through green ring (+14 days for varieties) following at least one application of either **Clearpath™** herbicide or **Newpath®** herbicide. As part of the proven **Clearfield** Production System, **Beyond** herbicide adds simplicity and convenience.

In wheat, **Beyond** herbicide helps to control more than 40 tough grass and broadleaf weeds like jointed goatgrass, downy brome, Japanese brome, and mustards. And it's one of the industry's best options for managing feral rye. **Clearfield** Production System for wheat growers who use **Beyond** herbicide can receive the benefits of the only herbicide-tolerant system for wheat — cleaner fields and grain plus reduced dockage and discounts taken at the elevator. In fact, using the **Clearfield** Production System with **Beyond** herbicide, many growers have realized up to a 33%* yield increase and up to a 20%* improvement in their Return On Investment.

For growers using the **Clearfield** Production System for sunflowers, **Beyond** herbicide provides simplicity by controlling broadleaf weeds, such as marshelder and cocklebur, and grasses such group 1 tolerant foxtail and wildoat.

The **Clearfield** Production System is the only herbicide tolerant system for lentils, adding simplicity and convenience. **Beyond** herbicide offers control of mustards and lambsquarters with suppression of kochia, Russian thistle, wild buckwheat, and Canada thistle.

And for growers using the **Clearfield** Production System for canola growers, **Beyond** herbicide manages some of the most economically damaging weeds and grasses such as, wild mustard, green foxtail and pigeon grass.

*BASF Field Study (2002–03) in winter wheat. Assumptions: grain value = \$5.00/bu; **Clearfield** seed = \$10.00/bu; conventional seed = \$8.50/bu; average yield = 74 bu/A. Dockage = 5% (Traditional) and 0.5% (**Clearfield**). Foreign matter = 1% (Traditional) and 0.2% (**Clearfield**). **Beyond** herbicide rate = 4 oz/A. Results may vary by region.

Labeled Crops



Application Instructions

Clearfield Wheat: Scout Clearfield Wheat fields in the fall .Target Fall Beyond applications if grasses are emerged. If winter annual grasses have not emerged, delay Beyond application until late winter or early spring.

Beyond Rate and Additives: Fall application: 4 oz/A + NIS and N fertilizer source. Spring application: 4 oz/A + NIS and N fertilizer source.

For improved weed control in 2-gene winter wheat, a COC or MSO may be substituted for NIS. Do not use COC or MSO on CLEARFIELD wheat varieties that do not possess 2-gene tolerance.

Increasing UAN volume from 2.5% up to 20 to 50% v/v in winter wheat can improve grass weed performance.

Tankmixes: Beyond may be tankmixed with growth regulators (Clarity, Banvel, 2,4-D, Starane) for improved BL weed control.

Do not tankmix with SU herbicides (Amber, Ally, Finesse, others).

Clearfield Sunflower: Beyond® Rate: 4.0 oz per acre. Only 1 application per season.

Required Herbicide Additives: Nonionic surfactant 1 qt / 100 gallons (0.25 % v/v) AND Nitrogen Based Fertilizer 28%, 32%, 10-34-0:2.5 gal/100 gallons (2.5 % v/v), AMS: 12 - 15 lbs. / 100 gallons.

Application Method: Ground or Air: Apply in 10 - 20 gallons of water per acre with ground application and > 5 GPA by air. Spray pressure: 20 - 40 psi by ground. Use higher volume and pressure if dense weed pressure or heavy crop residue (no-till fields).

Always use flat fan or similar nozzles with ground applications.

Clearfield Rice: Use Beyond after 2 applications of Newpath, or Clearpath followed by Newpath as an effective red rice rescue treatment. Apply Beyond from rice tillering to panical initiation (green ring) on CL rice hybrids or from rice tillering to 14 days after panical initiation on CL rice varieties. Apply Beyond at 5oz/A + COC at 1% v/v Post.

Always read and follow label directions.

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Problems Controlled

Clearfield Sunflower:Barley, wild
Barnyardgrass
Beet, wild
Bindweed, field (seedling)*
Bindweed, hedge (seedling) *
Brome, cheat
Brome, downy
Brome, Japanese
Buckwheat, wild*
Canarygrass, littleseed
Cereals, volunteer (non-Clearfield)
Chickweed, common
Cocklebur, common
Crabgrass, large
Crabgrass, smooth
Cupgrass, woolly
Darnel, Persian
Flax*
Foxtail, giant
Foxtail, green
Foxtail, yellow
Goatgrass, jointed
GoosegrassItchgrass*
Jimsonweed
Knotweed, prostrate*
Kochia
Lambsquarters, common
Lettuce, miner's*
Mallow, Venice*
Marshelder

Millet, wild proso
Morningglory, entireleaf*
Morningglory, ivyleaf*
Morningglory, smallflower*
Morningglory, tall*
Mustard spp.
Nightshade, black
Nightshade, Eastern black
Nightshade, hairy
Nutsedge, purple*
Nutsedge, yellow*
Oats, wild
Panicum, fall
Panicum, Texas
Pigweed, redrootPigweed, smooth
Pigweed, spiny
Puncturevine
Purslane, common
Quackgrass*
Radish, wild
Rocket, London*
Rocket, yellow*
Sandbur, field
Sedges*
Shattercane
Signalgrass, broadleaf
Smartweed, ladysthumb
Smartweed, Pennsylvania
Sowthistle, annual*
Spurge, prostrate
Stinkgrass
Sunflower, wild or volunteer (non-Clearfield)
Tansymustard
Thistle, Canada*
Thistle, Russian (non-ALS-resistant)*
Velvetleaf
WitchgrassClearfield Winter Wheat:Barnyardgrass
Bedstraw*
Brome, California
Brome, cheat
Brome, downy
Brome, Japanese
Buckwheat, wild*
Canarygrass, littleseed
Canola, volunteer (non-Clearfield)
Cereals, volunteer, barley
Cereals, volunteer, oat
Cereals, volunteer, wheat (non-Clearfield)
Chickweed, common
Cocklebur, common
Corn, volunteer (non-Clearfield)

Crabgrass, large
Dandelion*
Darnel, Persian
Fescue, rattail*
Fiddleneck*
Filaree, redstem
Filaree, whitestem
Flixweed
Foxtail, giant
Foxtail, green
Foxtail, yellow
Goatgrass, jointed
Henbit
Jimsonweed
Johnsongrass, rhizome*
Johnsongrass, seedling
Knotweed, prostrate
Lambsquarters, common
Lettuce, miner's
Mallow, common
Mallow, Venice
Morningglory, entireleaf
Morningglory, ivyleaf
Morningglory, smallflower
Morningglory, tall
Mustard, black
Mustard, blue
Mustard, tumble
Mustard, wild
Nightshade, black
Nightshade, Eastern black
Nightshade, hairy
Nutsedge, purple*
Nutsedge, yellow*
Oats, wild
Pennycress, field
Pigweed, redroot
Pigweed, smooth
Pigweed, spiny
Primrose, cutleaf*
Primrose, evening*
Purslane, common
Quackgrass*
Radish, wild
Ragweed, common*
Ragweed, giant*
Rescuegrass
Rocket, London
Rocket, yellow
Rye, feral or cereal*
Ryegrass, Italian*
Shepherd's-purse
Smartweed, ladythumb

Smartweed, Pennsylvania
Smartweed, swamp
Spurge, prostrate
Tansymustard, green
Thistle, Canada*
Thistle, Russian (non-ALS-resistant)
Wild beet
Clearfield Spring Wheat:
Barnyardgrass
Bedstraw*
Brome, California
Brome, cheat
Brome, downy
Brome, Japanese
Buckwheat, wild*
Canarygrass, littleseed
Canola, volunteer (non-Clearfield)
Cereals, volunteer, barley
Cereals, volunteer, oat
Cereals, volunteer, wheat (non-Clearfield)
Chickweed, common
Cocklebur, common
Corn, volunteer (non-Clearfield)
Crabgrass, large
Dandelion *
Darnel, Persian
Flixweed
Foxtail, giant
Foxtail, green
Foxtail, yellow
Goatgrass, jointed
Henbit
Knotweed, prostrate
Lambsquarters, common
Mallow, common
Mallow, Venice
Mustard, black
Mustard, blue
Mustard, tumble
Mustard, wild
Nightshade, black
Nightshade, Eastern black
Nightshade, hairy
Oats, wild
Pennycress, field
Pigweed, redroot
Pigweed, smooth
Pigweed, spiny
Purshlane, common
Radish, wild
Ragweed, common*
Ragweed, giant*
Rescuegrass
Rocket, London
Rocket, yellow

Rye, feral or cereal
Ryegrass, Italian
Shepherd's-purse
Smartweed, ladythumb
Smartweed, Pennsylvania
Spurge, prostrate
Tansymustard, green
Thistle, Canada*
Thistle, Russian (non-ALS resistant)
Velvetleaf
Clearfield Canola:
Barnyardgrass*
Beet, wild
Blackgrass
Brome, cheat
Brome, downy
Brome, Japanese
Buckwheat, wild*
Canarygrass, littleseed
Canola, volunteer (non-Clearfield)
Cereals, oat
Cereals, volunteer barley
Cereals, wheat (non-Clearfield)
Chickweed, common
Corn, volunteer*
Crabgrass, large*
Darnel, Persian
Flax*
Flixweed
Foxtail, giant
Foxtail, green
Foxtail, yellow
Jimsonweed
Jointed Goatgrass
Knotweed, prostrate*
Lambsquarters, common
Lettuce, miner's*
Morningglory, entireleaf*
Morningglory, ivyleaf*
Morningglory, smallflower*
Morningglory, tall*
Mustard, Black
Mustard, Tumble
Mustard, Weed
Nightshade, black
Nightshade, Eastern black
Nightshade, hairy
Oats, wild
Pennycress, field
Pigweed, redroot
Pigweed, smooth
Pigweed, spiny
Radish, wild
Rocket, London*
Rocket, yellow*

Rye, feral or cereal
Ryegrass, Italian
Shattercane
Shepherd's-purse
Smartweed, ladythumb
Smartweed, Pennsylvania
Spurge, prostrate*
Tansymustard, green
Thistle, Russian (non-ALS-resistant) *
Velvetleaf
Clearfield Rice: Alligatorweed*
Barnyardgrass
Cocklebur, common
Crabgrass, large
Dayflower, spreading*
Ducksalad*
Eclipta*
Flatsedge, water*
Johnsongrass, rhizome*
Johnsongrass, seedling
Mexicanweed*
Morningglory, entireleaf
Morningglory, ivyleaf
Morningglory, smallflower
Morningglory, tall
Nutsedge, purple and yellow*
Panicum, fall
Pigweed, prostrate
Pigweed, redroot
Pigweed, smooth
Pigweed, spiny
Purple ammannia (Redweed)*
Rice, red
Signalgrass, broadleaf
Smartweed, ladythumb
Smartweed, Pennsylvania
Smartweed, swamp
Texasweed*
Water plantain (Common arrowhead)*
Clearfield Lentil: Barley, wild
Barnyardgrass
Beet, wild
Bindweed, field (seedling)*
Bindweed, hedge (seedling) *
Blackgrass
Brome, cheat
Brome, downy
Brome, Japanese
Buckwheat, wild*
Canarygrass, littleseed
Canola, volunteer (non-Clearfield)
Cereals, volunteer (non-Clearfield)
Chickweed, common
Cocklebur, common
Corn, volunteer (non-Clearfield)*

Crabgrass, large
Crabgrass, smooth
Cupgrass, woolly
Dandelion*
Darnel, Persian
Flax*
Flixweed
Foxtail, giant
Foxtail, green
Foxtail, yellow
Goatgrass, jointed
GoosegrassItchgrass*
Jimsonweed
Knotweed, prostrate
Kochia
Lambsquarters, common
Lettuce, miner's*
Mallow, common
Mallow, Venice
Marshelder
Millet, wild proso
Morningglory, entireleaf*
Morningglory, ivyleaf*
Morningglory, smallflower*
Morningglory, tall*
Mustard spp.
Nightshade, black
Nightshade, Eastern black
Nightshade, hairy
Nutsedge, purple*
Nutsedge, yellow*
Oats, wild
Panicum, fall
Panicum, Texas
Pennycress, field
Pigweed, redroot
Pigweed, smooth
Pigweed, spiny
PuncturevinePurslane, common
Quackgrass*
Radish, wild
Ragweed, common*
Ragweed, giant*
Rescuegrass
Rocket, London*
Rocket, yellow*
Rye, feral or cereal
Ryegrass, Italian
Sandbur, field
Sedges*
Shattercane

Shepherd's-purse
Signalgrass, broadleaf
Smartweed, ladythumb
Smartweed, Pennsylvania
Sowthistle, annual*
Spurge, prostrate
Stinkgrass
Stinkgrass*
Sunflower, wild or volunteer (non-Clearfield)
Tansymustard
Thistle, Canada*
Thistle, Russian (non-ALS-resistant)*
Velvetleaf
Witchgrass*Suppression only.