

DuPont™ Basis® Blend herbicide for use on Pioneer® brand soybeans with BOLT™ technology.

DuPont™ Basis® Blend herbicide



Soybeans with BOLT™ technology have been introduced by DuPont Pioneer to help farmers control tough weeds. Pioneer® brand soybeans with BOLT™ technology enable the use of unique herbicides in a new way. For example, Pioneer® brand soybeans with BOLT™ technology provides enhanced tolerance to sulfonylurea herbicides compared to soybeans without BOLT™ technology. DuPont™ Basis® Blend herbicide is now registered for early preplant through zero days prior to planting Pioneer® brand soybeans with BOLT™ technology, compared to a 15-day (or more) plant interval for soybeans without BOLT™ technology.

Use of DuPont™ Basis® Blend herbicide on fields of Pioneer® brand soybeans with BOLT™ technology

- Zero-day plantback: Use for early preplant through planting application with excellent crop tolerance.
- Apply after harvest in fall or spring, as long as the ground is not frozen.
- Provides burndown and/or residual control of many grass and broadleaf weeds, including winter annuals such as henbit, chickweed, annual bluegrass, horseweed (marestail), and others.
- A water-dispersible granule formulation contains two active ingredients: rimsulfuron and thifensulfuron.
- Use rate is 0.825–2.5 ounces per acre (40 acres/bottle at the standard 1.25 oz/A rate).

- Apply by ground or air.
- Tank mix with other burndown herbicides, such as glyphosate, paraquat, glufosinate, 2,4-D or dicamba for additional weed control. See 2,4-D and dicamba labels for plant-back intervals for soybeans if using these herbicides with Basis® Blend.
- For emerged weeds, include appropriate adjuvants. No additional surfactant is required if applied as a tank mix with a glyphosate or glufosinate formulation that already includes a built-in adjuvant system
- May be used in a tank mix or sequential soybean herbicide program that includes such products as DuPont™ Afforia™, Cinch®, Canopy®, Classic®, Enlite®, Envive® and Synchrony® XP herbicides. See labels for specific instructions.

Basis® Blend herbicide for other crops

Basis® Blend herbicide can be applied in fall or early spring at 0.825 ounces per acre 15 or more days prior to planting soybeans without BOLT™ technology,* at up to 1.25 ounces per acre 1 month or more prior to planting cotton, anytime through preemergence to corn at up to 2.5 ounces per acre, or at 0.825 ounces per acre postemergence to corn up to 4-leaf (2-collar) stage.

* Basis® Blend may be applied at 1.25 ounces per acre to soybeans without BOLT™ technology 60 days or more prior to planting in the states of Kansas and Oklahoma (counties containing Hwy 81 and east) and in counties that contain I-70 and south in Missouri (excluding the boot heel), Illinois, Indiana, Ohio, and West Virginia, and in Delaware, Maryland and Virginia.

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Biological attributes	Active ingredients	Performance measures
Contact control	Rimsulfuron Thifensulfuron	Better, more consistent control of many grass and broadleaf weeds, including certain glyphosate-tolerant and –resistant weeds, even under cool conditions. Translocation occurs throughout the weeds (leaves, roots and shoots).
Residual control	Rimsulfuron	Residual control occurs via root uptake of several grass and broadleaf weeds that emerge after treatment.

TECH UPDATE



Weeds and Grasses	Burndown DuPont™ Basis® Blend alone	Burndown when tank mixed with glyphosate plus 2,4-D LVE or dicamba	Residual — Basis® Blend	Weeds and Grasses	Burndown DuPont™ Basis® Blend alone	Burndown when tank mixed with glyphosate plus 2,4-D LVE or dicamba	Residual — Basis® Blend
Alfalfa, volunteer	C	C	NC	Mustard (birdsrape, black)	C	C	C
Barley, volunteer	C	C	S	Mustard, wild	C	C	NC
Barnyardgrass	C	C	C	Nightshade, hairy	S	C	S
Bluegrass, annual	C	C	C	Nightshade, black	NC	C	S
Buckwheat, common	C	C	NC	Palmer amaranth	NC	C ⁴	S ⁴
Buttercup, smallflower	C	C	NC	Panicum, fall	C	C	S
Carpetweed	NC	C	S	Pigweed (prostrate, redroot, smooth)	C ⁴	C	C
Canada thistle	S	C	NC	Purslane, common	S	C	C
Chamomile, false	NC	C	C	Quackgrass	S	C	NC
Chickweed (common, mouseear)	C	C	NC	Ragweed, common	S	C	S
Cocklebur	S	C	S	Russian thistle, seedling	NC	C	S
Crabgrass	C ¹	C	S	Ryegrass, Italian	S ⁴	C	S ⁴
Cupgrass, woolly (1")	C	C	NC	Sandbur (field, longspine)	NC	C	NC
Curly Dock	C	C	NC	Shattercane (4")	C	C	NC
Dandelion (6" diameter)	C	C	NC	Shepherd's purse	C	C	NC
Eveningprimrose, cutleaf	C ²	C	NC	Signalgrass, broadleaf	S	C	C
Field pennycress	C	C	NC	Smartweed, Pennsylvania	C	C	S
Filaree, redstem	NC	C	C	Smartweed, Ladysthumb	C	C	NC
Foxtail (bristly, giant, green, yellow)	C	C	C	Stinkgrass	S	C	NC
Geranium, Carolina	C	C	NC	Velvetleaf	C	C	S
Groundsel, common	C	C	NC	Wallflower, bushy	C	C	NC
Henbit	C	C	C	Wheat, volunteer	C	C	C
Knotweed, prostrate	C	C	NC	Wild buckwheat	NC	C	NC
Jimsonweed	NC	C	S	Wild oat	S	C	S
Johnsongrass, seedling	S	C	NC	Wild radish	C	C	NC
Kochia	C ³	C	C ³	Yellow nutsedge	S	C	NC
Lambsquarters, common	C	C	C				
Marestail (horseweed)	S	C	C ³				
Millet, wild proso	S	C	NC				
Morningglory, ivyleaf	S	C	S				

C = Control
 S = Suppression
 NC = No control
¹ = ^{1/2}
² = Must add 2,4-D LVE or dicamba for control
³ = ALS-sensitive
⁴ = Resistant biotypes are known to occur

For more information

Contact your local DuPont retailer or representative to learn more about Basis® Blend herbicide from DuPont. And visit us at basisblend.dupont.com.



This reference guide is not intended as a substitute for the product label for the product(s) referenced herein. Product labels for the above product(s) contain important precautions, directions for use, and product warranty and liability limitations, which must be read before using the product(s). Applicators must be in possession of the product label(s) at the time of application. Always read and follow all label directions and precautions for use when using any pesticide alone or in tank-mix combinations.

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