

Realize effective burndown and residual control of key winter annual weeds.

For use in fields to be planted to Pioneer® brand soybeans with BOLT® technology, STS® and SR soybean varieties — across soils and environments

DuPont™
LeadOff®
herbicide

Mid-South and Southeast

Pioneer® brand soybeans with BOLT® technology and sulfonyleurea-tolerant (STS®) and sulfonyleurea-ready (SR) soybean varieties offer high levels of tolerance to sulfonyleurea herbicides, including DuPont™ LeadOff® herbicide. **This allows growers who plant these varieties following a preplant application of LeadOff® to avoid undue crop-response concerns about soil pH, early planting and cool conditions.**

New soybean varieties

A number of new soybean varieties, including those with the Roundup Ready 2 Xtend trait, have joined BOLT® technology, STS® and established SR soybeans as options that allow growers to capitalize on the superior preplant weed control of LeadOff® combinations — which means even more flexibility across varying soil and environmental conditions.

DuPont™ LeadOff® herbicide applied as an early preplant application to soybeans delivers:

- A clean seedbed, which allows the soil to warm up faster, enabling improved stand establishment and better germination.
- Burndown of key broadleaf weeds — such as henbit, wild radish and chickweed — and extended residual control of many winter grasses and broadleaf weeds, including annual bluegrass (suppression) and marestalk (horseweed).*
- Control of winter weeds that harbor nematodes and insects that vector diseases.
- The opportunity for earlier planting and better time management, reducing trips across the field.
- The ability to remove winter weed canopy so preemergence herbicides are applied directly to soil.
- Moisture and fertility conservation.

* ALS-sensitive.

Application information

Apply DuPont™ LeadOff® at 1.5–2.0 oz/A (treats 30 to 40 acres per 60 oz container)

- For additional burndown of grasses and broadleaf weeds, add glyphosate, paraquat or glufosinate.
- Add 2,4-D LVE or dicamba for control of emerged marestalk (horseweed).
- Adjuvants are recommended. If applied in a tank-mix combination with glyphosate or glufosinate herbicide that contains a built-in adjuvant system, no additional surfactant is needed.
- For additional control of grasses and broadleaf weeds, LeadOff® may be tank mixed with other herbicides registered for preplant applications in soybeans, such as DuPont™ Cinch® brand and FirstShot® SG herbicides.
- Timing to crop — apply after fall harvest, a minimum of 60 days prior to soybean planting if using more than 1.5–2.0 oz/A or 30 days preplant for 1.5 oz/A.
- Shorter plant-back intervals are available for soybeans with BOLT® technology (0 days) and STS/SR varieties (30 days).
- Apply by ground or air.



Left side treated with 1.5 oz/A LeadOff® + 1 qt/A glyphosate + 1.5 pt/A 2,4-D LVE. Applied Nov. 17, 2010; photo taken Feb. 8, 2011.



LeadOff® applied Nov. 19, 2010; photo taken Mar 3, 2011.



DuPont™ LeadOff® herbicide

| Weeds and grasses | Burndown DuPont™ LeadOff® alone | Burndown when tank mixed with glyphosate plus 2,4-D LVE or dicamba | Residual – LeadOff® | Weeds and grasses | Burndown DuPont™ LeadOff® alone | Burndown when tank mixed with glyphosate plus 2,4-D LVE or dicamba | Residual – LeadOff® |
|---|---------------------------------|--|---------------------|--------------------------------------|---------------------------------|--|---------------------|
| 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 | S | Nightshade, black | NC | C | S |
| Buckwheat, common | C | C | NC | Palmer amaranth | NC | C ⁴ | S |
| 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 LeadOff® herbicide from DuPont. And visit us at leadoff.dupont.com.



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 DuPont™ LeadOff® may not be registered for sale or use in all states. Contact your DuPont retailer or representative for details and availability in your state.
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