DuPont[™] Pastora[®]

herbicide for bermudagrass pastures

For a difference you can see

Weeds significantly limit the quality and productivity of bermudagrass pastures and hay fields. With new Pastora[®] herbicide from DuPont, hay and forage producers can get reliable control of undesirable grasses and broadleaf weeds for visibly cleaner bermudagrass.

Introducing DuPont[™] Pastora[®] herbicide for bermudagrass pastures

Pastora[®] herbicide is a selective, broad-spectrum herbicide for postemergence control of grasses, including field sandbur, barnyardgrass and johnsongrass, in bermudagrass pastures and hay meadows.

Pastora[®] also provides postemergence and residual control of broadleaf weeds, including common broomweed, bitter sneezeweed, musk thistle, buttercup and woolly croton.

The benefits of choosing Pastora® herbicide

- Delivers a broad spectrum of grass and broadleaf weed control, giving you higher quality bermudagrass forage or hay
- Fills the need for a postemergence annual and perennial grass control herbicide for bermudagrass
- Offers greater bermudagrass tolerance compared to imazapic for improved bermudagrass safety
- Provides winter annual grass and broadleaf control prior to first hay cutting, so your first cutting is quality bermudagrass instead of construction grade hay or something that you would just mow off
- Controls key perennial grasses (rhizome johnsongrass, pensacola bahiagrass) and emerged summer annuals, allowing for more quality hay cuttings
- Restores bermudagrass pastures that have been overtaken with weeds, saving you the significant cost of a total restoration



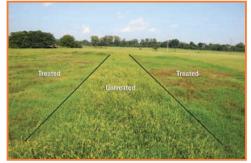
How to get the best results with Pastora[®] herbicide for bermudagrass pastures

Pastora[®] should be applied to established bermudagrass at 1.0 to 1.5 ounces per acre. Application rates cannot exceed 2.5 ounces per acre per year.

Follow-up applications of Pastora[®] may be necessary to control heavy infestations or additional flushes

of certain weeds, including sandbur.

Pastora® may be applied by ground or air. For best results, use 20 gallons per acre (GPA)



Sandbur treated with Pastora® herbicide (left and right). Photo taken September 21, 2009, in Dardanelle, Arkansas. Photo credit: John Boyd, Weed Research, LLC.

spray solution for ground or 5 GPA by air.

Pastora[®] applications must include a non-ionic surfactant or a crop oil concentrate.

Pastora[®] can be mixed with liquid fertilizer as the carrier solution if desired.

When to use Pastora[®] herbicide for bermudagrass pastures

Pastora[®] can be used in dormant bermudagrass to control winter annual grasses such as ryegrass and broadleaf weeds like henbit. Pastora[®] also can be used in spring or summer for control of summer annual and perennial weeds such as johnsongrass and dogfennel.

Pastora[®] works best on young, actively growing weeds. Time your application to the size of the target weed species.

Weeds Controlled

DuPont™ Pastora[®] controls more than 25 grass and 100 broadleaf weed species. (Partial list)

Key Grass Weeds Controlled (weed height <2" except as noted) Key Broadleaf Weeds Controlled (weed height <4")

Bahiagrass	ltchgrass	Broomweed, common	Mayweed chamomile
Barnyardgrass	Johnsongrass: seedling, rhizome	Buttercup	Mustard, wild
Brome, downy	(up to 18")	Cocklebur	Pigweed: redroot, smooth,
Crabgrass, large*	Panicum: browntop, fall, Texas	Croton, woolly	tumble
Cupgrass, woolly	Ryegrass: Italian, perennial	Dock, curly	Plantain
Foxtails: bristly, giant, green,	Sandbur: field, longspine (<1.5")	Dogfennel	Plains coreopsis
yellow	Shattercane	Henbit	Sneezeweed, bitter
Goosegrass*	Signalgrass, broadleaf	Marshelder, annual	Thistle: musk, Scotch
* Suppression		·	



Johnsongrass Photo courtesy of Kansas Dept. of Agriculture



Field Sandbur



Buttercup



Common broomweed Photo courtesy of The Samuel Roberts Noble Foundation, Ardmore, Oklahoma

Additional information

DuPont[™] Pastora[®] is not a federally restricted-use product.

Grazing or hay restrictions: Pastora[®] has no hay, grazing or manure use restrictions.

Bermudagrass response to Pastora[®]: Pastora[®] generally is safe to bermudagrass. Temporary chlorosis (yellowing) and occasional stunting may be observed; however, these symptoms are typically transient in nature.

MSMA replacement: Pastora[®] is an excellent replacement for MSMA, which is not registered in bermudagrass.

For more information

This year, count on DuPont[™] Pastora[®] for a difference you can see. Contact your local DuPont crop protection retailer or DuPont representative to learn more. And visit us on the Web at **pastora.dupont.com**.

DuPont[™] Pastora[®] herbicide is not registered for sale or use in all states. See your local DuPont retailer or representative for details and availability in your state.

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 that must be read before using the product. 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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