

# Realize effective weed resistance management

**DuPont™**  
**Trivence®**  
herbicide

DuPont™ Trivence® herbicide features three modes of action for strong burndown and extended residual control of resistant weeds in soybeans. Trivence® provides:

- Consistent control and improved weed-resistance management of the toughest weeds, including various pigweed species, marehail, giant ragweed, morningglory, lambsquarters and other broadleaf weeds.
- Where PPO-resistant Palmer amaranth and waterhemp are a concern, apply a tank mix of Zidua herbicide to deliver a second effective mode of action.
- Excellent burndown and residual performance when applied preemergence to soybeans even under cool, wet spring conditions.
- Preservation of key chemistries when used as part of an integrated weed-control program

## Application information

- Apply Trivence® at 6.0 oz/A for soils with no pH restriction. See back page for a list of weeds controlled or suppressed at this rate.
- For PPO-resistant Palmer amaranth and waterhemp apply a tank mix of Zidua at 1.5 oz/A
- Apply Trivence® at 6.0–10.0 oz/A for soils with a composite soil pH of 7 or less
- Timing — applications may be made anytime from fall through spring, up to 3 days after planting
- Apply by ground or air

## Tank-mix partners

For additional preemergence broadleaf weed or grass control and to aid in weed resistance management, Trivence® can be tank mixed with other preemergence soybean products such as metribuzin, pendimethalin or pyroxasulfone (Zidua).

For additional grass control, Trivence® can be tank mixed with pendimethalin or pyroxasulfone (Zidua).

Trivence® tank mixed with glyphosate or paraquat and/or 2,4-D provides cross-spectrum burndown prior to planting as well as residual control.

## Application window

Trivence® can be applied to soybeans in the spring, preplant or up to 3 days after planting.

Trivence® should not be applied to cracking soybeans or after the soybean crop has emerged because severe injury or death of the crop will occur.

## Formulation

Trivence® is a dispersible granule formulation, mixed in water and applied as a spray solution to control susceptible broadleaf weeds in soybeans. Trivence® contains three active ingredients to broaden broadleaf activity.

## For more information

Contact your local DuPont retailer or representative to learn more about Trivence® herbicide from DuPont.  
[trivence.dupont.com](http://trivence.dupont.com)



DuPont™ Trivence® applied 8.0 oz/A followed by Abundit® Extra plus Prefix. Photo was taken 61 days after the preemergence treatment and 28 days after the postemergence treatment.



Untreated

# DuPont™ Trivence®

herbicide

## Weed resistance

When herbicides with mode of action classifications that affect the same biological sites of action are used repeatedly over several years to control the same weed species in the same treatment area, naturally occurring resistant biotypes may survive, propagate and become dominant in that area. To better manage herbicide resistance, it may be necessary to change cultural practices within and between crop seasons, such as using a combination of tillage, retreatment, premix products, tank-

mix partners or sequential herbicide applications that have multiple sites of action. Weed escapes that are allowed to go to seed will promote the spread of resistant biotypes.

Trivence®, which contains the active ingredients chlorimuron ethyl, metribuzin and flumioxazin, is a Group 2, Group 5 and Group 14 multiple mode of action premix herbicide based on the HRAC mode of action classification system of the Weed Science Society of America.

DuPont™ Trivence® herbicide		
Biological attributes	Active ingredients	Performance measures
Contact control	Chlorimuron Ethyl Flumioxazin Metribuzin	Better, more consistent control of winter annuals, marestail <sup>1</sup> and other glyphosate-resistant weeds, even under cool conditions. Translocation throughout the weeds (leaves, roots and shoot).
Residual control	Chlorimuron Ethyl Flumioxazin Metribuzin	Extended residual control of marestail, Palmer pigweed, waterhemp, ragweed and other glyphosate-resistant weeds enabling soybeans a non-competitive weed environment for better stand establishment.

<sup>1</sup> For burndown control of marestail, the addition of at least 8 oz ai/A 2,4-D LVE is required for all Trivence® rates.

Preemergence application — residual control — Grass and broadleaf weeds controlled or suppressed Trivence® herbicide (partial list)	
Trivence® applied at 6.0–7.2 ounces per acre	Additional weeds controlled when Trivence® applied at 7.2–10.0 ounces per acre
Bittercress Carpetweed Chickweed: common, mouseear Copperleaf: hophornbeam, Virginia Dandelion Deadnettle Eveningprimrose, cutleaf Florida pusley Henbit Kochia Lambsquarters Little mallow Marestail/horseweed Mustard, wild Nightshade: black, eastern black, hairy Pigweed: redroot, smooth, spiny, tumble Prickly sida teaweed Puncturevine Redmaids Shepherd's-purse Smallflower morningglory Spotted spurge Venice mallow Waterhemp <sup>2</sup> : common, tall	Amaranth (pigweed), Palmer <sup>2</sup> Burcucumber (suppression) <sup>3</sup> Cocklebur <sup>3</sup> , common Hemp sesbania Mexicanweed (suppression) Morningglories <sup>2</sup> : annual, entire leaf, ivyleaf, pitted, tall Nutsedge: purple, yellow (suppression) Ragweed: common, giant <sup>3</sup> Sicklepod <sup>3</sup> Smartweed: ladysthumb, Pennsylvania Sunflower, common Velvetleaf Waterhemp <sup>2</sup> : common, tall

<sup>2</sup> For PPO-resistant Palmer amaranth and waterhemp, a tank mix with Zidua at 1.5 oz/A is recommended. Also, a postemergence herbicide may be needed following a preemergence application of Trivence® for adequate control in fields with heavy pressure or resistant biotypes.

<sup>3</sup> Large-seeded weeds, germinating deep in the soil, such as burcucumber, morningglory, sicklepod, cocklebur and giant ragweed, or other weeds which may emerge at various times during the growing season may require a cultivation pass or a postemergence herbicide application for season long control.

DuPont™ Trivence® may not be registered for sale or use in all states. Contact your 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, 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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 Zidua® (BASF); Prefix® (Syngenta).

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