



**Realize greater cotton
quality and yield.**

DuPont
Crop Protection

Cotton is a vital crop to the United States and around the globe.

Producing essential products from fabrics to paper to medical bandages and innumerable products in between.

DuPont Crop Protection helps growers meet the demand for high-quality, high-tonnage crops with a wide range of innovative and effective solutions that fit a grower's specific needs.

Tested from the lab to the field, growers can count on proven performance that translates into the highest return on their crop investment.



Realize the advantages of increased flexibility at planting.

DuPont™
LeadOff®
herbicide

DuPont™ LeadOff® herbicide provides growers in the South with a long-lasting, residual weed control tool that offers exceptional planting flexibility.

That's critical when the weather conditions or market prices affect your plans. By giving you clean seedbeds, LeadOff® allows you to adjust your planting on an acre-by-acre basis and maximize your crop rotation flexibility. Apply LeadOff® at least 30 days before planting cotton.

LeadOff® gives you fast burndown of stubborn weeds like henbit and annual bluegrass, as well as residual control of most winter annuals, including marestail*. You can even tank mix it with glyphosate, paraquat or 2,4-D LVE for broader control. It's that simple — and that flexible.

Count on DuPont for planting flexibility.

DuPont™ LeadOff® herbicide

Biological attributes	Performance measures
Contact control	Better, more consistent control of many grass and broadleaf weeds, including certain glyphosate-tolerant and glyphosate-resistant weeds, even under cool conditions. Translocation throughout the weeds (leaves, roots and shoots).
Residual control	Residual control via root uptake of several grass and broadleaf weeds that emerged after a preplant treatment, which means a cleaner seedbed for corn, cotton or soybeans.

To learn more, visit leadoff.dupont.com.

*ALS sensitive.

Realize burndown plus residual control of resistant weeds.

DuPont™
Afforia®
herbicide

Afforia® provides:

Effective burndown of winter annuals, including chickweed, henbit and marestail¹ (horseweed), even under cool, wet spring conditions.

Control of the toughest resistant weeds such as common ragweed, lambsquarters, pigweed species and others.

Improved weed resistance management over glyphosate alone, with two additional modes of action.

Exceptional rotational and crop selection flexibility. Apply a burndown application after harvest through early spring before planting soybeans, corn, cotton, wheat, rice and other crops.

Crop rotational intervals with DuPont™ Afforia® herbicide

The following rotational crops may be planted after applying Afforia® herbicide at the listed rate. Planting earlier than the recommended rotational interval may result in crop injury.

Crop rotation intervals	
	Afforia® herbicide rates
Crops	2.5 oz/A
Soybean	Immediately ²
Field corn — minimum and no-till	14 days ²
Field corn — conventional tillage, sorghum	30 days ³
Wheat, cotton, rice	30 days ³
Sunflower, tobacco, peanut, sugarcane, sweet potato	45 days
Barley, dry and snap beans, flax, lentils, peas, rye, safflower and sweet corn	3 months
Alfalfa, clover, oats, sugar beet (if soil is tilled prior to planting)	4 months
Alfalfa, clover, oats, sugar beet (if no tillage is performed)	8 months
Canola and all other crops not listed (if soil is tilled prior to planting)	4 months ⁴
Canola and all other crops not listed (if no tillage is performed)	8 months ⁴

See label for other crops and those plant-back restrictions.

¹ The addition of at least 8 oz of per acre of 2,4-D LVE is required.

² Where Afforia® is used on lightly textured soils, such as sands and loamy sands, extend time to planting by 7 additional days.

³ Where Afforia® is used on high-pH soils (>7.9), extend time to planting by 7 additional days.

⁴ At least 1 inch of rainfall or irrigation must occur between application and planting, or crop injury may occur.

⁵ Successful soil bioassay must be performed prior to planting crops.

To learn more, visit afforia.dupont.com.

Improve your Roundup Ready and LibertyLink programs with post control and added residual.

DuPont™
Staple® LX
herbicide

Cotton producers who plant Roundup Ready or LibertyLink cotton varieties have found that they need more than just Roundup/Liberty to manage their weed problems completely. For starters, there are some weeds, like morningglories and hemp sesbania, that Roundup doesn't always control. Plus, the lack of residual in Roundup or Liberty typically means additional postemergence applications to control subsequent flushes of grass and broadleaf weeds.

Many growers have successfully filled the gaps in their glyphosate- or glufosinate-only applications by using a postemergence tank mix of Roundup or Liberty and DuPont™ Staple® LX herbicide.

To learn more, visit staple.dupont.com.

Tag-team weeds till they go down for the count – LeadOff® followed by Staple® LX.



Realize DuPont's more effective, flexible choice to preserve yield potential in cotton.

DuPont™
Prevathon®
insect control
powered by
RYNAXYPYR®

Experience longer-lasting cotton protection with powerful worm control. With DuPont™ Prevathon® insect control, cotton growers get reliable, long-lasting residual control of worms with fewer applications, no matter the variety. The results are the potential for higher yield and better quality at harvest.

Prevathon® insect control:

- Long residual on the worm complex (21+ days*)
- Short REI, 4 hours
- Alternate mode of action
- More freedom to select cotton varieties and secure optimum lint potential
- Higher, better-quality yields
- Reduced applications
- High efficacy with long residual

To learn more, visit prevathon.dupont.com.

*on treated foliage



DuPont™ Prevathon® insect control Use Rates — Cotton

Target Pest	Rate of Application	
	Lb active ingredient per acre	Fluid ounces per acre
Beet armyworm Cotton bollworm* Fall armyworm Saltmarsh caterpillar Southern armyworm Tobacco budworm* Western yellowstriped armyworm	0.047–0.09	14.0–27.0
Cabbage looper Soybean looper**	0.067–0.097	20.0–29.0

Last application (days to harvest) 21 days.

Make no more than 4 applications per acre per crop.

Do not apply more than 60 fl oz Prevathon® or 0.2 lbs ai/A of chlorantraniliprole-containing products per acre per crop.

The minimum interval between treatments is 5 days.

* For Heliothine control (cotton bollworm and/or tobacco budworm), make the first application at rates of 0.067–0.09 lb ai/A (20.0–27.0 oz product). Subsequent applications can be at rates of 0.047–0.09 lb ai/A (14.0–27.0 oz product) depending on pest pressure.

For control of cotton bollworm (*Helicoverpa zea*) in Bt transgenic cotton varieties, the initial application, and subsequent applications of Prevathon® can be applied at 14 to 20 fluid ounces per acre as a foliar spray. Apply when cotton bollworm populations reach local established treatment thresholds to prevent crop damage.

** Suppression only.

DuPont™ Vydate® C-LV insecticide/ nematicide fills the gaps in nematode, thrips and plant-bug protection.

DuPont™
Vydate® C-LV
insecticide/nematicide

For years, growers have relied on in-furrow applications of Temik followed by DuPont™ Vydate® C-LV to protect their profits from damaging nematodes, thrips and plant bugs. With Temik exiting the marketplace, Vydate® C-LV still offers vital above and below protection from early-season pests.

Vydate® C-LV is a systemic foliar application that provides increased vigor and improved yield opportunities when used in conjunction with a seed nematicide/seed treatment like AVICTA Duo Cotton.

- Extends protection from thrips and key nematodes like reniform, root-knot and lance nematodes
- Provides excellent control of key plant-bug species, such as fleahopper, tarnished plant bug and lygus bug
- Provides an excellent resistance management tool following use of the current nematicide and thrips seed treatments



To learn more, visit vydateclv.dupont.com.

Plant Protection

Vydate® C-LV movement

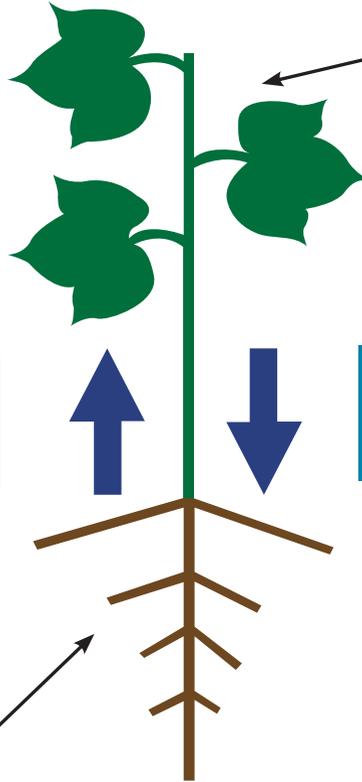
- Foliar translaminar
- Soil systemic

Vydate® C-LV also moves from soil into roots and up to foliage

Vydate® C-LV translocates from foliage down to roots

- Vydate® C-LV concentrates in new foliage

- Vydate® C-LV concentrates in new root tissue
- Typical nematode feeding site



Realize fast, broad-spectrum control.

DuPont™
Steward® EC
insecticide

DuPont™ Steward® EC insecticide is a unique, broad-spectrum Lepidoptera insecticide with cross-spectrum activity on plant bugs, including fleahoppers and tarnished plant bugs.

The primary route of entry into target insects is through ingestion, although the product also is absorbed through the cuticle. Steward® EC has a mode of action that blocks the movement of sodium ions into certain nerve-cell ion channels, resulting in paralysis and death of the pest species.

- Novel chemistry (Group 22 IRAC), only insecticide in this class
- Broad-spectrum insecticide that controls all life stages of Lepidoptera and pyrethroid-resistant worms
- Stops feeding rapidly; within 0 to 4 hours
- Performs under all conditions
 - Works at high temperatures
 - Rainfast within 2 hours
 - Stable in the tank after mixing, regardless of pH or temperature
- Minimal impact to some beneficials when used in accordance with the label. Minimizes flaring of aphids and mites.

To learn more, visit steward.dupont.com.



Take advantage of rewarding opportunities.



When you choose DuPont Crop Protection and DuPont Pioneer, you're taking advantage of rewards for a full portfolio of seed and crop protection products. Your local DuPont agronomy team can help you find the right product combinations for your operation.

Your advantages include:

- Financial rewards and rebates that increase with your participation
- A local DuPont agronomy team of experts
- Tailored product combinations to fit your fields

Ask your local DuPont representative or DuPont retailer how to qualify for TruChoice® Advantage rebates and how the complete DuPont portfolio can help you get the most out of your operation.

Visit truchoicesouthern.dupont.com for program details and a full product list.



Remember to ask about the TruChoice® Advantage grower program or visit truchoicesouthern.dupont.com.



Avicta, Temik and DuPont™ Vydate® C-LV are restricted-use pesticides.

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

See product labels for specific crop-pest combinations controlled or suppressed.

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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