

DuPont™ Streamline®

herbicide

Technical Information Update

DuPont™ Streamline® herbicide has been developed to help improve the safety of utility and roadside rights of way by eliminating encroaching weed and brush species.

Product Profile

- Low use rate
- Broad-spectrum weed control
- Control of difficult brush species such as box elder, hackberry and mesquite
- Selectivity to many perennial and native grasses
- Low impact on mammals, wildlife and the environment



BIOLOGICAL ACTIVITY AND USE

General Information

DuPont™ Streamline® herbicide is a dispersible granule that is mixed in water and applied as a spray. Streamline® is used for general weed and brush control for non-crop applications on private, public and military lands.

Streamline® provides preemergence and/or postemergence control of broadleaf weed species. For perennial species, a postemergence application will be required for best control.

Mode of Action

Streamline® herbicide was developed by DuPont to control a broad spectrum of broadleaf weeds through two modes of action.

Streamline® combines a synthetic auxin mode of action with a sulfonyleurea herbicide. Having two modes of action allows better weed management by providing a wider spectrum of broadleaf weed control, including ALS- and glyphosate-resistant weeds. Streamline® was developed to help restore many perennial and native grasses and control encroaching weed species to improve public roadside safety.

Use Rate and Biological Activity

Streamline® controls many broadleaf weeds at use rate ranges from 1.75 to 4.75 ounces per acre and provides brush control at 7.5 to 11.5 ounces per acre. When applied as a spray, Streamline® is absorbed by both roots and foliage of plants, rapidly inhibiting the growth of susceptible weeds. Warm, moist conditions following application accelerate the herbicidal activity of Streamline®; cold, dry conditions delay the herbicidal activity. Weeds hardened off by drought or other plant stresses are less susceptible to Streamline®.



WEED CONTROL SPECTRUM DuPont™ Streamline® herbicide

PARTIAL LISTING

Broadleaf Weeds	Brush Species
Bindweed, field	Ash
Bull thistle	Black locust
Chicory	Blackberry
Dandelion	Box elder
Goldenrod	Eastern red cedar
Halogeton	Hackberry
Knapweed: diffuse, spotted, Russian	Honeysuckle
Kochia	Maple, red
Marestail/Horseweed	Mesquite
Mullein, common	Multiflora rose
Pepperweed, perennial	Poplar, yellow
Prickly lettuce	Snowberry
Russian thistle	Sugarberry
Sericea Lespedeza	Sumac
Sowthistle, annual	Tree of Heaven (<i>Ailanthus Altissima</i>)
Spurge, leafy	Willow
Teasel	
Yarrow, common	

NOTE: The degree and duration of control may depend on the weed spectrum and infestation intensity, weed size at application, soil type, organic matter content and environment conditions at and following application.



Uptake, Absorption and Translocation Characteristics

Streamline® is absorbed by both roots and foliage and translocates throughout the plant in the xylem and phloem. Streamline® is especially active on young, actively growing weeds.

Soil Activity and Degradation

Streamline® is biologically active in soil and can be taken up by plant roots to provide control. It does not stop germination but controls young, actively germinating weeds with uptake through both the roots and shoots. Few other products have this double uptake mechanism, which provides good control under both low rainfall and high rainfall conditions. Streamline® is degraded in soil by microbes, hydrolysis and, to a lesser extent, by photolysis to biologically inactive products.



Streamline® provides longer residual under cool and dry conditions and where soil pH is alkaline. Soil texture and organic matter (OM) have moderate effects on use rates as Streamline® is not bound tightly to either OM or clay.

Plant Selectivity, Sensitivity and Residues

Streamline® herbicide is for use in non-crop sites only, and care should be exercised when it is used in the vicinity of crop plants. Exposure to Streamline® may injure or kill most crops.

Toxicity and Metabolism in Animals

Studies have shown that the active ingredients in Streamline® have low toxicity to mammals, birds and insects. These active ingredients are rapidly absorbed and eliminated in warm- and cold-blooded animals and do not bioaccumulate.

RESIDUES IN FOOD — Not Applicable.

For non-crop use only.

streamline.dupont.com

DuPont™ Streamline® 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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