

Intended for sale to  
and use by commercial  
applicators and professional  
landscapers only.  
**NOT FOR SALE OR USE  
BY HOMEOWNERS**

**LESCO®**

# **Octane™ 2% SC Herbicide**

**For Use in Nurseries and Ornamental Plantings, Sodfarms,  
Christmas Trees, and on Established Ornamental Turf.**

Active Ingredient

Pyraflufen ethyl [ethyl 2-chloro-5-(4-chloro-5-difluoromethoxy-1-methyl-1H-pyrazol-3-yl)-4-fluorophenoxyacetate] .....	2.0%
Other Ingredients .....	98.0%
<b>TOTAL .....</b>	<b>100.0%</b>

Contains 0.177 lb. pyraflufen ethyl per gallon (20 grams per liter).

**Keep Out of Reach of Children**

## **CAUTION**

**Shake Well Before Using**

EPA Reg. No. 71711-25-10404

EPA Est. No. 067690-NC-001

FPL091806

LES-390258

**089230**

**Net contents 8 fl. oz.**

Octane is a trademark of Nichino America, Inc.



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**PRECAUTIONARY STATEMENTS**

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**HAZARDS TO HUMANS AND DOMESTIC ANIMALS****Keep Out of Reach of Children****CAUTION**

Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wear long-sleeved shirt and long pants, socks, shoes, and chemical resistant gloves (Selection Category A).

**FIRST AID****If on  
skin or  
clothing**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 - 20 minutes.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact **1-877-325-1840** for emergency medical treatment information.

For additional information on our products, please visit [www.lesco.com](http://www.lesco.com)

**LESCO Octane 2% SC Herbicide 8 fl. oz.****LES-390358  
089230**

Manufactured for:

LESCO Inc., 1301 E. 9th St.  
Cleveland, OH 44114, U.S.A.

**Personal Protective Equipment (PPE)****Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants.
- Shoes plus socks.
- Chemical-resistant gloves.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**User Safety Recommendations**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**ENGINEERING CONTROLS STATEMENTS**

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**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and aquatic invertebrates. This product may contaminate water through drift of spray in wind or via runoff events. Use care when applying in areas adjacent to any body of water. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Do not apply when weather conditions favor drift from treated areas.

**SPRAY DRIFT**

Avoid spray drift to all other crops and nontarget areas. Do not apply when weather conditions may cause drift. Do not allow this product to drift onto nontarget areas. Drift may result in illegal residues or injury to adjacent crops and vegetation, in the form of leaf yellowing and defoliation. To avoid spray drift,

DO NOT apply aerially when wind speed is greater than 10 mph or during periods of temperature inversions. Use of larger droplet size will also reduce spray drift.

AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR.

The interaction of equipment and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making decisions. Droplet size, boom height, and wind speed are the primary factors determining drift. The specific application conditions required for the use of this product are described below.

**Information on Droplet Size**

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see Wind, Temperature and Humidity, and Temperature Inversions).

**Controlling Droplet Size**

- **Volume** – Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure** – Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- **Number of Nozzles** – Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle Orientation** – Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- **Nozzle Type** – Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

- **Maintenance of Nozzles** – Periodic inspection and subsequent replacement of nozzles to ensure proper chemical application is recommended.

#### **Wind**

Drift potential is lowest between wind speeds of 2 - 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given wind speed. Application should be avoided below two (2) mph due to variable wind direction and high inversion potential. Note: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

#### **Temperature and Humidity**

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

#### **Temperature Inversions**

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to

remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light and variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

#### **Sensitive Areas**

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, nontarget crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

#### **DIRECTIONS FOR USE**

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.**

#### **SHAKE WELL BEFORE USING**

DO NOT apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

#### **AGRICULTURAL USE REQUIREMENTS (cont.)**

DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves
- Shoes plus socks.

#### **NONAGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or greenhouses. For other uses, including interiorscapes and other nonagricultural uses, do not enter treated areas without protective clothing until sprays have dried.

### GENERAL INFORMATION

**LESCO OCTANE 2% SC HERBICIDE** is designed for use as a herbicide for broadleaf weed control.

Only certified applicators are permitted to apply **LESCO OCTANE 2% SC HERBICIDE** for turf and ornamental sites.

### USE RESTRICTIONS

- **Do not apply this product through any type of irrigation system.**
- **Do not plant rotational crops other than cotton, potato, corn, soybeans, or wheat for 30 days following the last application of this product.**

### WEEDS CONTROLLED

The following broadleaf weed species can be controlled by applications of **LESCO OCTANE 2% SC HERBICIDE** in the manner described below at 3 to 6 inches tall. Tankmixes of **LESCO OCTANE 2% SC HERBICIDE** with other herbicides may be needed for control of larger weeds:

Amaranth, Palmer  
Bedstraw  
Beggarweed, Florida  
Beggartick, hairy  
Bindweed, field  
Buckwheat, wild  
Canola  
Carpetweed  
Celery, wild  
Chickweed  
Clover, white  
Cocklebur  
Dandelion  
Dock, curly  
Eclipta  
Eveningprimrose, cutleaf  
Henbit  
Knotweed, prostrate  
Kochia  
Ladysthumb  
Lambsquarters, common  
Lettuce, prickly  
Mallow, common  
Morningglory  
Mustard, wild

Nettle, stinging  
Nightshade, black  
Pigweed, redroot  
Pigweed, smooth  
Pineapple weed  
Poinsettia, wild  
Poison-ivy  
Purslane, common  
Radish, wild  
Ragweed, common  
Ragweed, giant  
Rocket, London  
Russian thistle  
Sesbania, hemp  
Shepherd's-purse  
Sicklepod  
Smartweed, Pennsylvania  
Smellmelon  
Sowthistle, annual  
Spurge, leafy  
Sunflower, common  
Toadflax, Dalmatian  
Velvetleaf  
Waterhemp, tall

### MIXING DIRECTIONS

Shake well before using. Add 1/2 to 3/4 of the required amount of water to the spray tank. Start agitation. Add the required amount of **LESCO OCTANE 2% SC HERBICIDE** and the remaining amount of water. Mix only as much spray solution as can be sprayed within four hours. Storage and use of the previous day's spray mix may result in reduced activity.

Use an approved agricultural buffering agent buffering to pH 7.5 or less if using **LESCO OCTANE 2% SC HERBICIDE** in a water source of  $\geq$  pH 7.5.

**NOTE:** It is recommended that the compatibility of **LESCO OCTANE 2% SC HERBICIDE** in any tankmix combination be tested before use. To determine the physical compatibility with other products, use a jar test, as described below:

Using a quart jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water-dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

### EQUIPMENT CLEANING

**Do not allow the spray solution to dry in the application equipment. After application and before using the sprayer equipment for any other applications, the sprayer must be thoroughly cleaned. Applicators must ensure proper equipment clean-out for any other products mixed with LESCO OCTANE 2% SC HERBICIDE as provided on the other product label(s).** Immediately following application, clean all equipment thoroughly with detergent or a spray tank cleaner and water as described below. Should residues of **LESCO OCTANE 2% SC HERBICIDE** remain in inadequately cleaned equipment, they may be released in subsequent applications and cause injury to crops.

1. Drain sprayer tank, hoses, and spray boom and thoroughly rinse with clean water the inside of the spray tank, sprayer hoses, boom, and nozzles to remove any sediment or residues.
2. Fill the tank 1/2 full with clean water, add the appropriate detergent (follow manufacturer's directions for use). Fill tank

to capacity and operate the sprayer with agitation for 15 minutes to flush hoses, boom, and nozzles.

3. Drain the sprayer tank, lines, and booms. Rinse the tank with clean water and flush through the hoses, boom, and nozzles. Remove and clean spray nozzles, tips, and screens.
4. Dispose of all cleaning solutions, rinsate, and washwaters in accordance with Federal, state, and local regulations.

#### **APPLICATION AND DOSAGE**

**Nurseries And Ornamental Plantings; Sodfarms; Christmas Trees; Established Ornamental Turf**  
(Intended for sale to and use by commercial applicators and professional landscapers only. Not for sale or use by homeowners.)

#### **Turfgrass Tolerance**

Established turfgrasses tolerant to application of **LESCO OCTANE 2% SC HERBICIDE** at labeled rates are listed below. For turfgrass species not listed on this label, the user should apply **LESCO OCTANE 2% SC HERBICIDE** to a small test area to assure tolerance. A slight transitory yellowing or discoloration may occur on some sensitive turfgrass species under stress 3 to 5 days following application of **LESCO**

**OCTANE 2% SC HERBICIDE** at labeled rates. Recovery is typically 4 to 7 days from application.

**Cool Season Turfgrasses (creeping bentgrass, Kentucky bluegrass, Rough bluegrass, tall fescue, perennial ryegrass).** Cool season grasses, both newly seeded and established, are generally tolerant to applications of **LESCO OCTANE 2% SC HERBICIDE** at labeled rates. To evaluate tolerance of certain species, apply to a small test area before treating large areas to assure tolerance. Be aware and observe all label restrictions regarding turfgrass tolerance when **LESCO OCTANE 2% SC HERBICIDE** is tank mixed with another product.

**Warm Season Turfgrasses (common and hybrid bermudagrass, centipedegrass, St. Augustinegrass, zoysiagrass).** Warm season turfgrasses listed above are generally tolerant to applications of **LESCO OCTANE 2% SC HERBICIDE** at labeled rates. Centipedegrass may exhibit a slight yellow 3 to 7 days after application, however complete recovery is expected. To evaluate tolerance of certain species, apply to a small test area before treating large areas to assure tolerance. Be aware and observe all label restrictions regarding turfgrass tolerance when **LESCO OCTANE 2% SC HERBICIDE** is tank mixed with another product.

#### **Newly Seeded, Sodded, or Sprigged Turfgrass**

**LESCO OCTANE 2% SC HERBICIDE** may be applied to newly seeded, sodded, or sprigged turfgrass that is established and not subject to impending stress due to moisture, temperature, or other cultural practices. Areas treated with **LESCO OCTANE 2% SC HERBICIDE** may be seeded or overseeded one day following application.

#### **Dormant Turfgrass**

Applications of **LESCO OCTANE 2% SC HERBICIDE** to dormant warm season turfgrasses are permitted. Avoid applications when warm season turfgrasses are transitioning into or out of dormancy.

For applications to ornamental turf and plantings, do not allow people (other than the applicator) or pets on treatment area during application and until sprays have dried (refer to Nonagricultural Use Requirements box). Apply **LESCO OCTANE 2% SC HERBICIDE** at rates specified in the dosage table below for control of broadleaf weeds. **LESCO OCTANE 2% SC HERBICIDE** is a broadleaf contact herbicide. **LESCO OCTANE 2% SC HERBICIDE** may be tank mixed with other registered grass herbicides for control of grassy weeds. **Avoid contact with desirable vegetation.**

Use	Rate/Acre	Use Restrictions and Comments
Nursery and ornamental plantings	<p><b>When tank mixing with other herbicides:</b> Apply <b>LESCO OCTANE 2% SC HERBICIDE</b> at rates of 0.7 to 1.5 fluid ounces per acre in tank-mix combinations with herbicides registered for use such as amines, esters, and salts of 2,4-D, chloroprop, dicamba, mecoprop, MCPA, triclopyr, fluroxypyr, and various combination of these products for control of annual weeds and perennial weeds listed under <i>Weeds Controlled</i>. Residual, long-term control of the target weeds is as defined by the labeling of the companion product. For tank mixing with herbicides, follow the tank mix directions.</p>	<ul style="list-style-type: none"> <li>• Do not make more than 3 applications or exceed 13.6 fl oz/A per year using ground equipment.</li> <li>• Allow a minimum of 30 days between applications.</li> <li>• Do not apply by air.</li> <li>• Do not apply when environmental conditions favor spray drift or poor spray coverage.</li> </ul>
Sodfarms		
Christmas trees		
Established ornamental turf	<p><b>When NOT tank mixing with other herbicides:</b> Apply <b>LESCO OCTANE 2% SC HERBICIDE</b> at rates of 1.0 to 4.0 fluid ounces per acre in 20 to 40 GPA for control of seedling, non-mature winter and summer annual weeds and/or for temporary burndown of weeds listed under <i>Weeds Controlled</i>. Tank-mixes, including other broadleaf herbicides, with <b>LESCO OCTANE 2% SC HERBICIDE</b> may be needed for control of larger winter and summer annual weeds.</p>	<ul style="list-style-type: none"> <li>• Avoid spray drift onto nontarget susceptible plants such as vegetables, flowers, ornamental, trees, shrubs, and other desirable plants.</li> <li>• Do not apply to lawns or turf where clovers and carpetgrass are desirable.</li> <li>• Not for use on golf course greens or tees.</li> </ul>

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#### Backpack Sprayer Dosage Chart

For use in backpack sprayers having tank capacity of 3 to 5 gallons, accurate calibration and measurement of the appropriate amount of product may be difficult due to the very small amounts of product required. For backpack application, it is recommended that a **stock solution containing 3 fluid oz of LESCO OCTANE 2% SC HERBICIDE per US gallon** be prepared in a clean container and used following the dosage table below. Do not prepare more gallons of stock solution than can be sprayed in one day. Storage and use of the previous day's stock solution may result in reduced activity. Do not mix other herbicides in the stock solution.

Backpack tank capacity (gallons)	Spray volume (gallons/A)	fluid oz product/gal for 1.5 fl oz/A	fluid oz stock solution per tank
3	20	0.23	10.0
	30	0.15	6.5
	40	0.11	4.5
4	20	0.30	13
	30	0.20	8.5
	40	0.15	6.5
5	20	0.38	16
	30	0.25	10.5
	40	0.19	8

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**STORAGE AND DISPOSAL**

**DO NOT** contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**Storage:** Store in a cool place.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Disposal:** DO NOT reuse empty container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors which are beyond the control of LESCO, Inc. All such risks shall be assumed by Buyer, and Buyer agrees to hold LESCO, Inc. harmless for any claims relating to such factors.

LESCO, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty

does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of LESCO, Inc. and Buyer assume the risk of any such use. LESCO, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall LESCO, Inc. be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER AND THE EXCLUSIVE LIABILITY OF LESCO, INC. FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF LESCO, INC. REPLACEMENT OF THE PRODUCT.

LESCO, Inc. offers this product, and Buyer accepts it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of LESCO, Inc.

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#### PRECAUTIONARY STATEMENTS

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#### CAUTION

Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wear long-sleeved shirt and long pants, socks, shoes, and chemical resistant gloves (Selection Category A).

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##### If on skin or clothing

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Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact **1-877-325-1840** for emergency medical treatment information.

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