



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

July 10, 2017

Chris Mason
Senior Manager Registrations
Loveland Products, Inc.
P.O. Box 1286
Greeley, CO 80632-1286

Subject: Label Amendment
Product Name: Tailspin
EPA Registration Number: 34704-958
Application Date: March 30, 2017
Decision Number: 528211

Dear Mr. Mason:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.


Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Mindy Ondish by phone at 703-605-0723, or via email at ondish.mindy@epa.gov.

Sincerely,

 for

Reuben Baris
Product Manager 25
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure



GROUP 4 HERBICIDE

For the control of annual and perennial broad leaf weeds and woody plants in established cool season turfgrass, rangeland and permanent pastures, CRP acres, fence rows and on non-crop areas including industrial sites, rights-of-way (such as roadsides, electric utility and communication transmission lines, pipelines, and railroads), non-irrigation ditch banks, natural areas (such as wildlife management areas, wildlife openings, wildlife habitats, recreation areas, campgrounds, trailheads and trails), around farm buildings using broadcast, foliar, basal bark, or cut stump individual plant treatment methods and grazed areas in and around these sites.

ACTIVE INGREDIENTS:

Fluroxypyr 1-methylheptyl ester: ((4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy) acetic acid, 1-methylheptyl ester	5.6%
Triclopyr: 3,5,6-trichloro-2-pyridinyloxyacetic acid, triethylamine salt	16.1%
OTHER INGREDIENTS*:	78.3%
TOTAL	100.0%

*Contains petroleum distillates.
 Acid Equivalent: fluroxypyr 3.87% = 0.33 lb/gal
 triclopyr 11.62% = 1.0 lb/gal

Not for sale, distribution or use in Nassau and Suffolk Counties, New York.

**KEEP OUT OF REACH OF CHILDREN
 WARNING—AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Refer to inside of label booklet for additional precautionary information including First Aid and Directions for Use.

FIRST AID	
If in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. NOTE TO PHYSICIAN: Contains aromatic petroleum distillate. Vomiting and aspiration may cause chemical pneumonitis. FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-6565.</p>	



**EPA REG. NO. 34704-958
 EPA EST. NO. 37507-MT-001
 NET CONTENTS 2.5 GAL (9.46 L)**

EXP 0615

**TAILSPIN™ HERBICIDE
EPA REG. NO. 34704-958**

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING**

**Causes Substantial But Temporary Eye Injury • Harmful If Swallowed
Do not get in eyes or on clothing.**

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants,
- Chemical-resistant gloves such as Barrier Laminate or Viton,
- Shoes plus socks and
- Protective eyewear (such as goggles, face shield or safety glasses).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

Engineering Controls Statements

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protections 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/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Fluroxypyr is toxic to fish. Drift or runoff from treated areas may be hazardous to aquatic organisms and non-target plants. 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 cleaning equipment or disposing of equipment washwaters.

Triclopyr has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Refer to label booklet for Directions for Use, including Storage and Disposal.

Notice: Read the entire label. Use only according to label directions. Before using this product, read CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY at end of label booklet. If terms are unacceptable, return at once unopened.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

Shake Well Before Use - Protect From Freezing

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

This product is not intended for manufacturing or formulating use.

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.

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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.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 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 such as Barrier Laminate or Viton,
- Shoes plus socks and
- Protective eyewear.

NON-AGRICULTURAL 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, nurseries, or greenhouses.

Entry Restrictions for Non-WPS Uses: Do not allow people (other than applicator) or pets on treatment area during application. Do not enter into treated areas until sprays have dried.

USE DIRECTIONS

Shake Well Before Use - Protect From Freezing.

Tailspin™ Herbicide is a broad-spectrum weed killer for control of broadleaf weeds in established cool season turfgrass, rangeland and permanent pastures, CRP acres, fence rows and on non-crop areas including industrial sites, rights-of-way (such as roadsides, electric utility and communication transmission lines, pipelines, and railroads), non-irrigation ditch banks, natural areas (such as wildlife management areas, wildlife openings, wildlife habitats, recreation areas, campgrounds, trailheads and trails), around farm buildings using broadcast, foliar, basal bark, or cut stump individual plant treatment methods and grazed areas in and around these sites.

Use Restrictions

- **Do not** apply by air.
- **Do not** apply using a mist blower.
- **Do not** apply to exposed roots of shallow rooted trees and shrubs.
- **Do not** allow sprays of this product to contact exposed suckers and/or roots of trees and shrubs or injury may occur.
- **Do not** apply this product directly to, or otherwise permit it to come into direct contact with cotton, grapes, tobacco, vegetable crops, flowers, fruit or ornamental trees, or other non target desirable broadleaf plants and do not permit spray mists to drift onto them.
- **Do not** reseed for three weeks after application.
- **Do not** use this product on golf course putting greens or tees.
- **Do not** apply on ditches used to transport irrigation water.
- **Do not** apply where runoff or irrigation water may flow onto susceptible crops as injury may result.
- Do not apply more than 8.0 pints of Garlon EV per application, except for spot treatment, or more than 12.0 pints per acre per year. The total amount of Garlon EV applied broadcast, as a re-treatment, and/or spot treatment must not exceed 12.0 pints per acre per year. Spot treatments may be applied at an equivalent broadcast rate of up to 12.0 pints of Garlon EV per acre per annual growing season; however, not more than 10% of an acre may be treated at that rate.
- **Chemigation:** Do not apply this product through any type of irrigation system.
- The combination of this product with any other product containing fluroxypyr or triclopyr cannot exceed the maximum of 0.5 pound acid equivalent fluroxypyr or 2.0 pound acid equivalent triclopyr per acre per annual growing season.

Grazing and Haying Restrictions

Grazing or Harvesting Green Forage:

1. **Lactating dairy animals:** Do not allow grazing or harvest of green forage for lactating dairy animals from treated areas during the same growing season following application.

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2. Other Livestock: No grazing restrictions.

Haying (Harvesting of Dried Forage): Do not harvest hay within 14 days after application.

Slaughter Restrictions: Withdraw livestock from grazing treated grass or consumption of treated hay at least 3 days before slaughter. This restriction is applicable to grazing or harvest of hay from treated areas during the same season following application.

MIXING DIRECTIONS

Use only clean water suitable for spraying. Add one-half the required amount of water to spray tank. Add this product and complete addition of water with agitation running. Mix thoroughly and continue agitation while spraying.

Tank Mixing: The recommended order of addition to the spray tank is water, spray thickening agent (if used), additional herbicide (if used), and this product. If combined with emulsifiable concentrate herbicides, moderate continuous agitation is required. Surfactant at the manufacturer's specified rate should be added to the spray tank last.

Tank Mixing Precautions: When tank mixing, follow applicable use directions, precautions and limitations on the labels of the respective tank mix products. Use in accordance with the most restrictive of label limitations and precautions on each label. Do not tank mix this product with any product containing a label prohibition against tank mixing with fluroxypyr or triclopyr. Do not exceed specified application rates. If applying this product in combination with another pesticide containing the same active ingredient, do not exceed the maximum active ingredient use rate specified by either product.

Tank Mix Compatibility Testing: A jar test is recommended prior to tank mixing to ensure compatibility of this product and other pesticides. Use a clear glass quart jar with lid and mix the tank mix ingredients in their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately ½ hour. If the mixture balls-up, forms flakes, sludges, gels, oily films or layers, or other precipitates, it is not compatible and the tank mix combination should not be used.

Weeds Controlled and Use Rate Directions†

Weeds Controlled	Suggested Use Rate		
	pt/A	fl oz/1000 sq ft	Tbs†/1000 sq ft
black medic common purslane common ragweed curly dock hop clover lambsquarters lespedeza red clover stichwort western ragweed white clover	3.0 ²	1.1	2.0
catchweed bedstraw common chickweed common cocklebur common yellow woodsorrel dogfennel ground ivy henbit horseweed morningglory musk thistle plumeless thistle prickly lettuce purple deadnettle rock speedwell tall goldenrod velvetleaf <i>Vetch spp.</i>	4.5 ²	1.65	3.3

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Weeds Controlled	Suggested Use Rate		
	pt/A	fl oz/1000 sq ft	Tbs†/1000 sq ft
broadleaf plantain broomweed, annual burdock camphorweed chickory cinquefoil cinquefoil, sulfur common dandelion coffeeweed dogbane, hemp dog fennel (<i>Eupatorium capillifolium</i>) evening primrose, cutleaf. healall ironweed kochia lambsquarter mallow,venice maypop (passionflower) Mexicantea morningglory mustard narrowleaf plantain (buckhorn) pigweed species primrose, evening puncturevine ragweed,common ragweed,giant ragweed, western sida, prickly sneezeweed, bitter sunflower thistle, musk thistle, Russian tropical soda apple Virginia buttonweed western iron weed wild mustard yarrow	6.0 to 8.0	2.2 to 2.9	4.5 to 6.0
Repeat Treatment May Be Necessary creeping woodsorrel wild violet English lawn daisy <i>Veronica</i> spp.	6.0 ² to 8.0	2.2 to 2.9	4.5 to 6.0

† 1.0 fl oz = 30.0 ml = 2.0 Tbs = 6.0 tsp

²Up to 6.0 pints per acre may be applied if the target weeds are large or under stress.

For best results, apply when weeds are small and growing actively before the bud stage. Only weeds emerged at the time of treatment will be controlled. Apply when musk thistles or other biennial species are in the seedling to rosette stage and before flower stalks appear

Maximum Use Rate: For broadcast or spot application, do not apply more than 0.5 pound acid equivalent per acre of fluroxypyr or 1.5 pound acid equivalent per acre of triclopyr (12.0 pint per acre of this product) per annual growing season.

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SPECIFIC USE DIRECTIONS:

Kochia: Apply 6.0 pints per acre plus crop oil when kochia is less than 18 inches tall.

Sericea lespedeza: Apply 4.5 pints per acre after maximum foliage development, when plants are 12 to 15 inches tall, in the late spring to early summer prior to bloom. Increase rate to 6.0 pints per acre for dense stands or later stages of growth. Use a minimum total spray volume of 10 gallons per acre for ground application. Higher application volumes are preferred when possible.

Spot application: Mix 8.0 pints per 100 gallons of water (2.9 fluid ounces this product per gallon of water). Apply the spray uniformly and thoroughly wet the Sericea lespedeza foliage.

Tropical Soda Apple: Apply 8.0 pints per acre when tropical soda apple plants reach the first flower stage. For best results, apply in a total spray volume of 40.0 gallons per acre using ground equipment. An agricultural surfactant may be added at the manufacturer's recommended rate to provide more complete wetting and coverage of the foliage. Spot treatments may be used to control sparse plant stands. For spot treatment use a 2 to 3 % solution of this product in water (2.0 to 3.0 gallons of this product in 100 gallons total spray mixture) and spray the entire plant to completely wet the foliage.

In Florida, control of tropical soda apple may be improved by using the following management practices:

- Mow plants to a height of 3 inches every 50 to 60 days or whenever they reach flowering. Continue the mowing operation through April.
- In late May to June (50 to 60 days after the April mowing) apply this product as a broadcast treatment as recommended above.
- Use spot treatment as recommended above to control any remaining plants or thin stands of plants that germinate following a broadcast treatment.

Small Area Treatments

Treatments to a small area may be applied with a calibrated boom or with hand sprayers according to the following directions:

Hand-Held Sprayers: Hand-held sprayers may be used for spot (small area) applications of this product. Care should be taken to apply the spray uniformly and at a rate equivalent to a broadcast application. Application rates in the table are based on a treatment area of 1,000 square feet. Mix the amount of this product (fluid ounce or milliliter) corresponding to the desired broadcast rate in the amount of spray volume needed to cover 1000 square feet. To calculate the amount of this product required for larger areas, multiply the table value (fluid ounce or milliliter) by the number of thousands of square feet of area to be treated. An area of 1000 square feet is approximately 10.5 X 10.5 yards (strides) in size.

Rate Conversion Table for Spot Treatment:

3.0 pt/A	4.0 pt/A	6.0 pt/A	8.0 pt/A
1.10 fl oz	1.47 fl oz	2.2 fl oz	2.9 fl oz
(33 mL)	(44 mL)	(65 mL)	(88 mL)

Woody Plant Control:

Apply this product at 6.0 to 8.0 pints per acre for control of the following woody plants. Apply in 20.0 or more gallons per acre by ground equipment. Use higher spray volumes to ensure adequate foliar coverage where brush canopy is dense. For best results, most woody plants should be treated when they are actively growing and under conditions favorable for growth, but only after leaves are fully expanded and terminal growth has slowed. Application to immature foliage during periods of rapid terminal growth will result in rapid defoliation, but translocation of the herbicide and woody plant control may be reduced. If brush has been mowed, best results are obtained when at least 9 to 12 months of regrowth following mowing is allowed before herbicide application (12 months is recommended in areas where growth conditions such as low rainfall have limited brush regrowth following mowing). Adequate soil moisture before and after treatment, as well as healthy foliage at the time of application, is important for optimal effectiveness. This product will control only broad leaf plants that are emerged at the time of application. Spot treatment at rates up to 12.0 pints of this product per acre may be particularly effective against dense patches of perennial broad leaf plants or woody species. No more than 10% of the total treated acreage in a contiguous area may be treated at 12.0 pints of this product per acre. See Spot Treatments under Application Methods.

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Partial Control:

Applied as directed, this product provides partial control (suppression) of the following woody plants and vines. Use a higher rate in the rate range with plants listed under partial control when growing conditions are less than favorable or when weed foliage is tall and dense. Re-treatment or tank mixes with Garlon 3A or other herbicides may be necessary for complete control.

Plants controlled:

Common Name

arrowwood	cherry	poison ivy
aspen	choke cherry	poison oak
Australian pine	cottonwood	poplar
blackberry	crataegus (hawthorn)	Scotch broom
ceanothus	locust	sumac

Partial Control:

Common Name

ash	huisache	salmonberry
bear clover (bearmat)	kudzu*	salt cedar
beech	lantana	salt-bush (Baccharis spp.)
birch species	madrone	saltbush (silver myrtle)
blackgum	maples	sassafras
brazilian pepper	mesquite	sweetbay magnolia
cascara	mulberry	sweetgum
chinquapin	oak-species	sycamore
dogwood	osage-orange (Bois d'arc or hedge)	tallowtree, Chinese
douglas fir	palmetto	tan oak
elderberry	peppervine	thimbleberry
elbowbush	persimmon	trumpet creeper
elm	persimmon, Eastern	tulip poplar
gallberry	persimmon, Texas	Virginia creeper†
granjeno	pine	wax myrtle (top growth)
grape, wild	pricklyash	western hemlock
greenbriar	privet	wild rose
guajillo	primrose-willow	willow
guava	Prunus spp.	winged elm
hazel	rose, Cherokee	yaupon
horn bean	rose, multiflora	yucca
hackberry	rose, wild	

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Rates for Specific Woody Plants:

Woody Plants Controlled	Broadcast Rate (pt/A)†	Application Timing:
ash	6.0 to 8.0	Active growth
blackberry	6.0 to 8.0	Apply when leaves are fully expanded and the foliage is dark green, either before first flower or after fruit drop. Application after fruit drop is preferred. Do not treat blackberries in the same year after mowing, shredding, or burning. Even one year after removal of top growth, blackberry stands will be more difficult to control than undisturbed stands and will require retreatment.
elm	6.0 to 8.0	Apply late spring through summer to mature foliage
flame sumac	6.0 to 8.0	Apply late spring through summer to mature foliage
hawthorn	6.0 to 8.0	Apply late spring through summer to mature foliage
honeylocust	6.0 to 8.0	Apply spring through summer to mature foliage
honeysuckle	6.0 to 8.0	Apply late spring through summer to mature foliage
lantana	6.0 to 8.0	Apply during active growth
locust	6.0 to 8.0	Apply late spring through summer to mature foliage
oak, blackjack	6.0 to 8.0	See below
oaks	6.0 to 8.0	See below
osage-orange (bois d'arc or hedge)	6.0 to 8.0	Apply late spring through summer to mature foliage
persimmon	6.0 to 8.0	Apply late summer through fall under good growing conditions
poplar	6.0 to 8.0	Apply late spring through summer to mature foliage
prickly ash	6.0 to 8.0	Apply late spring through summer to mature foliage
sumac	6.0 to 8.0	Apply late spring through summer to mature foliage
wax myrtle	6.0 to 8.0	Apply late spring through summer to mature foliage
willow	6.0 to 8.0	Apply late spring through summer to mature foliage

† Use a higher rate in this rate range if brush is large and/or dense.

Maximum Use Rate: Do not apply more than 0.5 pound acid equivalent fluroxypyr or 1.5 pound acid equivalent triclopyr (12.0 pints per acre of this product) per annual growing season.

Specific Use Directions:

When difficult to control species such as ash, choke cherry, elm, maple or oaks are prevalent, in late season when plant foliage is mature, or when growing conditions are less favorable, use the higher rate in rate range. This product may be tank mixed with other herbicides such as Grazon® P+D specialty herbicide or Tordon® 22K specialty herbicide to control additional woody species listed on their respective labels.

Shinnery Oak Suppression: Apply this product as a broadcast application at 6.0 to 8.0 pints per acre for suppression of shinnery oak growing on sandy soils.

Oaks, Post Oak and Blackjack Oak- Regrowth Stands: Apply in the late spring (May) to early summer (June) when oak leaves are fully developed (expanded). Use 15.0 to 25.0 gallons spray volume per acre by ground equipment. Lower spray volumes and rates may be used for suppression only. Control will require 2 or more applications.

Specific Use Directions:

Note: Optimum timing period is late spring through early fall when plants are actively growing, non-drought stressed, and minimal insect damage or defoliation.

Apply with a backpack or power sprayer using sufficient spray pressure to provide uniform plant coverage without forming a mist and direct spray no higher than tops of target woody plants. Use sufficient spray volume to thoroughly wet all leaves, stems, and root collars. To minimize spray drift, a drift control additive approved for growing crops is recommended. A dye marker may be added to the spray mixture as a means of marking treated plants.

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Maximum Use Rate: For individual plant treatment with high-volume foliar sprays, do not apply more than 0.5 pound acid equivalent per acre of fluroxypyr or 1.5 pound acid equivalent per acre of triclopyr (12.0 pints per acre of this product) per annual growing season.

Application Methods

Use application equipment that insures uniform spray coverage. Apply this product any time during the growing season when broadleaf weeds and woody plants are actively growing. Application under conditions of plant moisture stress (drought) may provide less than desirable results. Broadleaf weed species germinate at different times. Only emerged weeds present at time of application are controlled. Refer to specific use directions for site-specific precautions and limitations.

Broadcast Application

This product may be applied as a standard (20.0 gallons or more per acre) or low volume (5.0 to 20.0 gallons per acre) spray volume broadcast application.

Standard Volume Application: Apply 3.0 to 8.0 pints of this product in 20.0 gallons or more of spray volume per acre (0.5 gallon or more of spray volume per 1000 square feet). Use low pressure application equipment capable of delivering a uniform droplet size and spray distribution. Up to 200 gallons of spray volume per acre may be used if applying this product with liquid fertilizers.

Low Volume Application: Apply 3.0 to 8.0 pints of this product in 5.0 to 20.0 gallons of spray volume per acre (0.125 to 0.5 gallon spray per 1000 square feet). Use low pressure application equipment capable of delivering a uniform droplet size and spray distribution. Spray coverage may be improved by adding a non-ionic surfactant at the manufacturer's recommended rate. Use the higher recommended rates of surfactant for lower rates of product and lower spray volumes. Using this product in ultra low volume (ULV) equipment is not recommended.

Surfactant: A non ionic surfactant or liquid fertilizer at 1.0 to 2.0 quarts per 100 gallons spray solution (0.25% to 0.5% v/v) may improve weed control for either broadcast or spot application, especially if plants are drought-stressed. To help minimize spray drift, a drift control and deposition aid cleared for application to growing crops is also recommended.

Spot Treatments and Individual Plant Treatment Methods

Spot treatments may be applied with a calibrated boom or with hand sprayers according to directions provided below. Spot treatment at rates up to 12.0 pints of this product may be particularly effective against dense patches of perennial broadleaf plants or woody species. Spray volume should be sufficient to thoroughly and uniformly wet weed foliage, but not to the point of runoff.

Restrictions

- Spot treatments may be applied at an equivalent broadcast rate of up to 12.0 pints of this product per acre per annual growing season; however, not more than 10% of the treated acreage in a contiguous area may be treated at the high rate.
- Do not apply more than a total of 0.5 pound acid equivalent fluroxypyr or 1.5 pound acid equivalent triclopyr per acre (12.0 pints per acre of this product) per annual growing season as a result of broadcast, spot or repeat applications.
- Repeat treatments may be made, but the total amount of this product applied must not exceed 12.0 pints per acre per year.

Precautions

- Care should be taken that spot treatment applications at the 12.0 pint rate are applied directly to patches of broad leaf plants or woody species, minimizing application at this rate to adjacent areas.

Hand-Held Sprayers: Use hand-held or backpack sprayers for spot applications of this product. Care should be taken to apply the spray uniformly and at a rate equivalent to a broadcast application. Application rates in the table are based an area of 1000 square feet. Mix the amount of this product (fluid ounce or milliliter) listed in the table with 1.0 gallon or more of water and apply to an area of 1000 square feet. An area of 1000 square feet is approximately 10.5 X 10.5 yards in size.

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**Amount of this product to Equal Specified Broadcast Rate
(Mix with 1.0 gal or More of Water and Apply to 1000 sq ft)**

6.0 pt/A¹	8.0 pt/A
2.2 fl oz (65.0 mL)	2.9 fl oz (88.0 ml)

¹Up to 10% of the total treated acreage in a contiguous area may be treated with this product at 12.0 pints per acre (4.4 fluid ounces or 130 milliliter).

Avoiding Injurious Spray Drift

Do not allow sprays of this product to contact nearby susceptible broadleaf crops or other desirable broadleaf plants. Very small quantities of spray, which may not be visible, may seriously injure susceptible plants including ornamental trees and shrubs. **Do not** apply under conditions that would allow the wind to carry spray mist toward susceptible crops or ornamental plants.

With ground broadcast equipment, drift can be reduced by keeping the spray boom as low as possible, by applying no less than 20.0 gallons of spray per acre (except under “Low Volume Applications”); by keeping the operating spray pressures at the lower end of the manufacturer’s recommended pressures for the specific nozzle type used, and by spraying when the wind velocity is low (2 to 10 mph). For application with hand-held sprayers, select the minimum spray pressure that will provide adequate plant coverage (without forming a mist).

Amount of this product to Equal Specified Broadcast Rate (Mix with 1.0 gal or More of Water and Apply to 1,000 sq ft)

3.0 pt/A	4.0 pt/A	5.0 pt/A	6.0 pt/A	8.0 pt/A
1.1 fl oz (33.0 ml)	1.5 fl oz (44.0 ml)	1.8 fl oz (54.0 ml)	2.2 fl oz (65.0 ml)	2.9 fl oz (88.0 ml)

Specific Use Directions: Apply to stems less than 6 inches in diameter at any time, including winter months, except when snow or water prevent spraying to ground line. Apply with backpack or hand wand equipment using solid cone or flat fan nozzle at low pressure. Thoroughly wet the base and root collar of all stems to a height of 12 to 15 inches, but not to the point of runoff.

Restriction

Maximum Use Rate: For basal spray application (50% Tailspin plus 50% oil), do not apply more than 0.5 pound acid equivalent per acre of fluroxypyr or 1.5 pound acid equivalent per acre of triclopyr per annual growing season (3.0 gallon of total spray mixture per acre).

Individual Plant Treatment Method and Target Woody Plant(s)	Application Rate
Cut Stump Treatment: All woody plants listed	50% Tailspin plus 50% oil (Diesel, kerosene or commercial basal carrier)

Specific Use Directions: Apply to freshly cut stumps. Apply with backpack or hand wand equipment using solid cone or flat fan nozzle at low pressure. Thoroughly wet the sides of the stump, root collar, and outer portion of the cut surface, including the cambium, but not to the point of runoff. Cut stump applications may be made at any time, including winter months, except when snow or water prevent spraying to ground line. **For saltcedar**, use undiluted this product. If this rate is used, do not apply more than 1.5 gallon per acre per growing season.

Maximum Use Rate: For cut stump application (50% Tailspin plus 50% oil), do not apply more than 0.5 pound acid equivalent per acre of fluroxypyr or 1.5 pound acid equivalent per acre of triclopyr per annual growing season (3.0 gallon of total spray mixture per acre).

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Individual Plant Treatment Method and Target Woody Plant(s)	Application Rate
Growing Point and Leaf Base (Crown) Treatment: Palmetto, yucca	3% solution v/v (3.0 gal/100 gal)
Specific Use Directions: Thoroughly wet the center of the plant including growing point and leaf bases to the soil surface. Complete coverage of leaves is not necessary.	

Maximum Use Rate: For growing point and leaf base (crown) treatment of yucca, do not apply more than 0.5 pound acid equivalent per acre of fluroxypyr or 1.5 pound acid equivalent per acre of triclopyr per annual growing season (100 gallons of total spray mixture per acre).

USE DIRECTIONS FOR TURF

Precautions

Cool season turfgrasses have good tolerance to this product. On some fine-leaved turfgrasses slight transitory discoloration may occur following application. **Do not** apply during adverse conditions such as drought, very hot or cold weather, or when the crop or weeds are under stress.

Use of this product can cause significant injury to perennial warm season turf-grass species such as St. Augustinegrass, bermudagrass, zoysiagrass, centipedegrass, bahiagrass, kikuyugrass or seashore paspalum and is not recommended.

Use this product on the following cool season turfgrass species:

Common Name	Scientific Name
bentgrass†	<i>Agrostis species</i>
bluegrass, Kentucky	<i>Poa pratensis</i>
fescue, chewing	<i>Festuca rubra var. commutata</i>
fescue, creeping red	<i>Festuca rubra</i>
fescue, sheeps	<i>Festuca ovina</i>
fescue, tall	<i>Festuca arundinaceae</i>
ryegrass, perennial	<i>Lolium perenne</i>

† **Do not** apply to bentgrass unless injury can be tolerated. **Do not** apply more than 3.0 pints per acre (1.1 fluid ounces per 1,000 square feet) per application. Additional applications, if required, should be made at least 4 weeks apart. Avoid swath overlaps.

Application Rates and Timing

Apply 3.0 to 6.0 pints of this product per acre to control broadleaf weeds. Refer to the “Weeds Controlled and Use Rate Directions” section for application rates for specific weeds. Spray coverage may be improved by addition of a non-ionic surfactant at the manufacturer’s specified rate. Additional applications, if required, should be made at least 4 weeks apart to minimize the potential for turfgrass injury. Newly seeded turf should be mowed 2 or 3 times before being treated. **Do not** water for 6 hours after application.

Broadcast Application: This product may be applied as a standard (20.0 or more gallons per acre) or low volume (5.0 to 20.0 gallons per acre) broadcast application. Refer to the “Use Directions” section for detailed instructions for Mixing and Application.

Spot Application: See instructions for Spot Application under Application Directions.

Use of rates above those specified on this label could result in turf injury. Avoid overlapping of the spray swaths which could result in higher than specified application rates.

Treatment of Turf Species Not Listed on the label for this product

Users who wish to use this product on a turf species not listed on this label may determine the suitability for such uses by treating a small area at a recommended rate. Prior to treatment of larger areas, the treated area should be observed for any sign of herbicidal injury during 30 days of normal growing conditions to determine if the treatment is safe to the target species. **The user assumes the responsibility for any plant damage or other liability resulting from use of this product on species not specified on this label.**

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CONSERVATION RESERVE PROGRAM (CRP) ACRES

Specific Use Directions:

Follow applicable use directions for the target weed or woody plant species to be controlled. For program lands such as CRP, consult program rules to determine whether grass or hay may be used. The more restrictive requirements of the program rules or this label must be followed. Use this product on CRP acres only after perennial grasses are well established (see precaution for newly seeded grasses in Use Restrictions section).

Restrictions: When applying to CRP lands, follow all applicable state and federal regulations. Follow the most severe grazing restriction imposed by the pesticide label or by the USDA Acreage Conservation Reserve Program. After that time period, follow local (CRP) guidelines regarding cropping and haying restrictions. Do not use this product if damage or loss of existing legumes or other desirable broad leaf plants cannot be tolerated.

USE DIRECTIONS FOR INDUSTRIAL SITES

Use this product at rates of 3.0 to 8.0 pints per acre to control broadleaf weeds and 6.0 to 8.0 pints per acre to control woody plants. If multiple applications are needed do not apply more than 12.0 pints per acre per growing season. Use sufficient spray volume to provide uniform and complete coverage of the plants to be controlled. Use of an agriculturally labeled non-ionic surfactant is recommended for all applications. When using surfactants, follow the use directions and precautions on the surfactant manufacturer's label. Use the higher recommended concentrations of surfactant in the spray mixture when applying lower spray volumes per acre.

Precaution

This product may injure perennial warm season turfgrass species such as St. Augustinegrass, bermudagrass, zoysia-grass, centipedegrass, bahiagrass, kikuyugrass or seashore paspalum. Use of this product is not recommended in areas where the vegetation management goal is maintenance of warm season perennial turf.

Apply any time during the growing season when broadleaf weeds are actively growing. Refer to the "Weeds Controlled and Use Rate Directions" section for application rates for specific weeds.

Broadcast Application: This product may be applied as a standard (20.0 or more gallons per acre) or low volume (5.0 to 20.0 gallons per acre) broadcast application. Refer to the "Use Directions" section for detailed instructions for Mixing and Application.

High Volume Foliar Application: Use this product at the rate of 6.0 to 8.0 pints per acre in a total volume of 20.0 to 100 gallons of water per acre using high volume hand-held equipment. This product may be applied at rates of 0.75 to 1.5 gallons in 100 gallons of spray solution. Coverage should be thorough to wet all leaves, stems, and root collars. The total amount of this product may not exceed 12.0 pints per acre per year.

Spot Application: See instructions for Spot Application under Application Directions.

Note: This product can be applied using the Brown Brush Monitor™ or Brown Turf Monitor™ application systems.

For Broader Spectrum Weed Control

For broader spectrum broadleaf weed control, this product at 3.0 to 6.0 pints per acre may be tank mixed with Tordon® 22K herbicide, Tordon® 101 Mixture herbicide, or a 2,4-D amine formulation, such as Amine 4 2,4-D Weed Killer or Clean Amine® herbicide. When applying this product in tank mix combination, follow the most restrictive applicable use directions, precautions and limitations on each manufacturer's label.

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STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store above 32 °F. Shake well before use.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, 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 HANDLING:

Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact The Agricultural Container Recycling Council (ACRC) at www.acrecycle.org. If not recycled, then puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

For packages up to 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

For packages greater than 5 gallons and less than 56 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

For packages greater than 56 gallons: To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

For refillable containers: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank.

Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC – 1-800-424-9300.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

BEFORE BUYING OR USING THIS PRODUCT, read the entire Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary in any way.

Follow the Directions for Use of this product carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop or other plant injury, ineffectiveness, or other unintended consequences may result from such risks as weather or crop conditions, mixture with other chemicals not specifically identified in this product's label,

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or use of this product contrary to the label instructions, all of which are beyond the control of LOVELAND PRODUCTS, INC. and the seller. The buyer or user of this product assumes all such inherent risks.

Subject to the foregoing inherent risks, LOVELAND PRODUCTS, 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 when the product is used in strict accordance with such Directions for Use under normal conditions of use. EXCEPT AS WARRANTED IN THIS LABEL AND TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THIS PRODUCT IS SOLD "AS IS," AND LOVELAND PRODUCTS, INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ELIGIBILITY OF THIS PRODUCT FOR ANY PARTICULAR TRADE USAGE.

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TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE BUYER'S OR USER'S EXCLUSIVE REMEDY FOR ANY INJURY, LOSS, OR DAMAGE RESULTING FROM THE HANDLING OR USE OF THIS PRODUCT, INCLUDING BUT NOT LIMITED TO CLAIMS OF BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, STRICT LIABILITY, OR OTHER TORTS, SHALL BE LIMITED TO ONE OF THE FOLLOWING, AT THE ELECTION OF LOVELAND PRODUCTS, INC. OR THE SELLER: DIRECT DAMAGES NOT EXCEEDING THE PURCHASE PRICE OF THE PRODUCT OR REPLACEMENT OF THE PRODUCT. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, LOVELAND PRODUCTS, INC. AND THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR USER OF THIS PRODUCT FOR ANY CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES, OR DAMAGES IN THE NATURE OF A PENALTY.

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