**Active Ingredient:** By Wt.
Carfentrazone-ethyl .............................................. 21.3%
Other Ingredients: .............................................. 78.7%
100.0%

This product contains 1.9 pounds active ingredient per gallon

Contains Petroleum Distillates
U.S. Patent No. 5,125,958

**KEEP OUT OF REACH OF CHILDREN**

CAUTION

See other panels for additional precautionary information.

**FIRST AID**

| If inhaled | • Move person to fresh air.  
|           | • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.  
|           | • Call a poison control center or doctor for further treatment advice. |
| 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. |
| If in eyes | • Hold eye open and rinse slowly and gently with water for 15-20 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 | • Call poison control center or doctor immediately for treatment advice.  
|            | • Do not induce vomiting unless told to do so by the poison control center or doctor.  
|            | • Do not give any liquid to the person.  
|            | • Do not give anything by mouth to an unconscious person. |

**NOTE TO PHYSICIAN**

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-(800)-331-3148 for emergency medical treatment information.

This product is expected to have low oral and dermal toxicity, and moderate inhalation toxicity. It is expected to be slightly irritating to the skin and minimally irritating to the eyes. Treatment is otherwise controlled by removal of exposure followed by symptomatic and supportive care.

For Information Regarding the Use of this Product Call 1-800-321-1FMC (1362).

**PRECAUTIONARY STATEMENTS**

**HOTLINE NUMBER**

**HOTLINE NUMBER**

For Information Regarding the Use of this Product Call 1-800-321-1FMC (1362).

**PRECAUTIONARY STATEMENTS**

Hazard to Humans (and Domestic Animals)

**CAUTION**

Harmful if swallowed, absorbed through the skin or inhaled. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**Personal Protective Equipment (PPE)**

Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. 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.
Environmental Hazards
QuickSilver T&O Herbicide is very toxic to algae and moderately toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark, except as specified on this label. Do not contaminate water when disposing of equipment washwaters.

Physical/Chemical Hazards
Do not use or store near heat or open flame. DIRECTIONS FOR USE
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
Do not apply this product through any type of irrigation system.
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.

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.
Re-entry Statement: Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment area until spray has dried.

STORAGE AND DISPOSAL
Pesticide Storage
Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put granule or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by inappropriate storage or disposal.
In case of spill, avoid contact, isolate area and keep out unprotected persons and animals. Confine spills. Call FMC: (800) 331-3148.
To confine spill: Dike surrounding area, sweep up spillage. Dispose of in accordance with information given under Pesticide Disposal. Wash spill area with water, absorb with sand, cat litter or commercial clay, sweep up and dispose of in an approved manner. Place damaged container in a large holding container. Identify contents per required hazardous waste labeling regulations.
Pesticide Disposal
Waste resulting from the use of this product may be disposed of at an approved waste disposal facility.
Container Disposal
Triple rinse (or equivalent). Then offer for approved pesticide container recycling program, or puncture and dispose of in an approved waste disposal facility. Provided on site incineration is allowed by state and local authorities, stay out of smoke.

GENERAL INFORMATION
QuickSilver T&O Herbicide is a contact herbicide with little or no residual activity that provides selective postemergence control of broadleaf weeds and silvery thread moss (Bryum argenteum) in turfgrass. The active ingredient of QuickSilver T&O Herbicide is carfentrazone-ethyl. It is an aryI triazolinone herbicide, which interrupts chlorophyll synthesis and produces metabolic byproducts that disrupt plant cell membranes. This process only occurs in susceptible green plants in the presence of light.
QuickSilver T&O Herbicide rapidly penetrates into the plant cells and symptoms may be apparent on foliage of susceptible weeds in 24 hours or less. Complete desiccation and death occurs within 7 to 14 days of application. QuickSilver T&O Herbicide is rainfast within one hour after application.
This product is most effective when applied to actively growing winter and summer annual seedlings. It also increases the speed of kill and expands the spectrum of control of mature and perennial broadleaf weeds (See “Weeds Controlled” section) when applied in a tank mixture with other postemergence herbicides.
Extremes in environmental conditions e.g. excessively high or low moisture or temperature may affect the activity of this product. Under warm, moist conditions appearance of herbicide symptoms may be accelerated while under very dry or cool conditions the expression of herbicidal symptoms is delayed. However, this product remains highly effective under both cool and warm environmental conditions. Weeds hardened by drought and/or extremely high temperatures are less susceptible to this product and the higher rates in the range are recommended under those conditions.

General Use Precautions
Avoid spray drift onto non-target susceptible plants such as vegetables, flowers, ornamentals, trees, shrubs and other desirable plants.
Do not apply this product to carpetgrass, dichondra, nor on lawns or turf where desirable clovers are present.
Do not apply when conditions are conducive to spray drift or poor spray coverage.
Do not apply more than 6.7 fluid ounces of product (0.10 lbs. a.i. of carfentrazone-ethyl) per acre per application or more than 0.40 lbs. a.i. of carfentrazone-ethyl per acre per season. The minimum retreatment interval for sequential broadcast applications of this product is two (2) weeks.
Do not apply this product by aerial application.
Do not apply this product through any type of irrigation system.

Turfgrass and Sites
QuickSilver T&O Herbicide is intended to be applied by lawn care operators, maintenance applicators, and service technicians for use in ornamental lawns and turfgrass, as well as stone-covered yards established in institutional, ornamental, and residential/domestic sites. Institutional sites are defined as turf areas and stone-covered yards around properties or facilities providing a service to public or private organizations including, but not limited to hospitals, nursing homes, schools, museums, libraries, sports facilities, golf courses, and office buildings. Ornamental sites include turfgrass and stone-covered yards established around residences, parks, streets, retail outlets, cemeteries, industrial buildings and institutional buildings. Residential/domestic sites are defined as areas associated with household or home life including, but not limited to apartment complexes, condominiums, and patient care areas of nursing homes, mental institutions, hospitals, or convalescent homes.

Turfgrass Tolerance
Turfgrasses tolerant to application of QuickSilver T&O Herbicide are listed below. FMC does not recommend application to turfgrasses not listed.

Cool Season Grasses (creeping bentgrass, colonial bentgrass, annual bluegrass, Kentucky bluegrass, fine fescue, red fescue, tall fescue, perennial ryegrass)
Established cool season grasses are generally tolerant to applications of QuickSilver T&O Herbicide at labeled rates. Tall fescue may exhibit a slight yellowing discoloration occurring within 3 to 5 days after application under some conditions. Recovery typically occurs within 4 to 7 days. If such injury or any injury cannot be tolerated, apply to a small test area before treating large areas to assure tolerance of the host turf species.
Be aware of and observe all label restrictions regarding turf tolerance of companion products when QuickSilver T&O Herbicide is tank mixed with another product.

Warm Season Grasses (common and hybrid bermudagrass, bahiagrass, buffalograss, centipedegrass, seashore paspalum, St. Augustine grass, zoysiagrass)
Established warm season grasses listed above are generally tolerant to applications of QuickSilver T&O Herbicide but may be susceptible to transitory yellowing when they are under stress. Stress is typically associated with but not limited to extreme high or low temperatures, Disease infection or insect infestation, extreme high or low moisture conditions, or transition into or out of dormancy.
Under such conditions injury in the form of transitory yellowing discoloration may occur within 3 to 7 days of application. If such injury or any injury cannot be tolerated, apply QuickSilver T&O Herbicide in the manner you will be using it to a small test area before treating large areas to assure tolerance of the turf.
Be aware of and observe all label restrictions regarding turfgrass tolerance of companion products when QuickSilver T&O Herbicide is tank mixed with another product.

Newly Seeded, Sodded or Sprigged Turfgrass
QuickSilver T&O Herbicide can be applied to the following species of turfgrass at 7 days or more after emergence for species established by both seeding and sprigging: hybrid bermudagrass, common bermudagrass, St. Augustine, creeping bentgrass, tall fescue, perennial ryegrass and Kentucky bluegrass. Application to zoysiagrass should be delayed until at least 14 days after emergence to avoid extended discoloration. Slight discoloration may be observed immediately after application for hybrid bermudagrass, however, normal turf color returns by 12 days after emergence if no other stresses are present. Areas treated with QuickSilver T&O Herbicide may be seeded or overseeded one day following application.

Dormant Turf
Applications to dormant warm-season grasses are permitted. Avoid applications when warm-season grasses are transitioning into or out of dormancy.

Mixing Instructions
QuickSilver T&O Herbicide is an aqueous base emulsion containing 1.9 pounds active ingredient per gallon and is intended for dilution with water.
Fill the spray tank 3/4 full with clean water or diluent. Make sure the agi-
tation system is operating. Add the recommended amount of QuickSilver T&O Herbicide and complete filling the spray tank to the desired level. The mechanical or bypass agitation must be sufficient to ensure uniform spray mix during application.

**Tank Mix Compatibility**

QuickSilver T&O Herbicide is believed to be compatible with most her-
bicides, fungicides, insecticides, growth regulators, liquid fertilizers and spray adjuvants commonly used in turf and lawn care management. Liquid fertilizers may also be used along with water as part of the dilu-
tant. However, when preparing a new tank mix, always conduct a phys-
ical compatibility test by mixing proportional amounts of all spray ingre-
dients in a test vessel (jar). Shake the mixture vigorously and allow it to stand for five to ten minutes. Rapid precipitation of the ingredients and failure to disperse suggests that the mixture is incompat-
table and should not be applied. To evaluate the biological compatibil-
ity of a mixture being used for the first time, spray a small area and observe for control and phytotoxicity symptoms for several days before applying to large areas.

Read and observe mixing instructions of all tank mix partners. Also read each product’s label for Directions for Use, Precautionary Statements and Restrictions and Limitations. The most restrictive label-
ing applies in all tank mixes. No label dosage rate should be exceed-
ed. Tank mixture recommendations are for use only in states where the companion products and application site are registered. In addition, certain states or geographical regions may have established dosage rate limitations. Consult your state Pesticide Control Agency for addi-
tional information regarding the maximum use rates.

When tank mixing QuickSilver T&O Herbicide with other products always add the other products as specified on their label. Ensure the compatibility of other products with this product before mixing them in the tank.

**Maintain the pH of the spray solution in the range of pH 5 to 8. Use buffers as necessary. Spray solution in the range of pH 6 to 7 is optimal.**

**Application Directions**

**Spray coverage**

QuickSilver T&O Herbicide is a contact herbicide with little or no resid-
ual activity. It produces herbicidal symptoms only in the portions of the

**Sprayer Clean-Out**

Residues left in mixing equipment, spray tanks, hoses and nozzles can cause non-target plant effects if they are not properly cleaned. Because QuickSilver T&O Herbicide can be highly phytotoxic to sensitive ornamental plants it is strongly recommended that only equipment that is dedicated exclusively to turf and lawn herbicides be used in the application of QuickSilver T&O Herbicide.

If not using a dedicated sprayer, observe the following cleaning proce-
dures:

1. Drain spray tank, hoses, and boom and thoroughly wash the inside of the sprayer tank free of visible sediment and residues. Thoroughly flush tank, sprayer hoses, boom, and nozzles.

2. Fill the tank with clean water, and add 1 gallon of ammonia (con-
taining at least 3% active) for every 100 gallons of water. Fill the tank to capacity and operate the sprayer for 15 minutes to flush hoses, boom and nozzles. Let the solution stand in the hoses, tank, boom and nozzles for several hours or overnight.

3. Drain the sprayer system. Rinse the tank with clean water and flush through the hoses and boom. Repeat the clean water rinse and flush. Remove and clean nozzles and screens in an ammonia solution separately.

Do not apply sprayer cleaning solutions or rinse to any lawns, orna-
mamentals, gardens or crops. For more specific information on clean-out procedures contact FMC at 800-321-1362.

Shelf small quantities of QuickSilver T&O Herbicide remain in mixing, loading and/or spray equipment that has been cleaned as described above, they may be released during subsequent applications potential-
ly causing effects to non-target vegetation. FMC accepts no liability for adverse responses to non-target plants or crops.

**Weeds Controlled**

QuickSilver T&O Herbicide can be used to selectively control weeds including silvery thread moss anytime during the year except as indicated elsewhere in this label. Appropriate rates for control of weeds other than silvery thread moss range from 0.9 to 2.1 fluid ounces per acre as described below. Use the lower rates in a range for susceptible weed species and for optimal environmental conditions. Use the high-

er rates in the range for dense infestations of perennial weeds, and for adverse/extreme environmental conditions. See “Category 2: Used as a stand-alone product for silvery thread moss control” to determine application rates for control of silvery thread moss.

**Category 1: Used as a stand-alone product**

Apply QuickSilver T&O Herbicide at rates of 1.0 to 2.1 fluid ounces of product per acre (0.023 to 0.048 fluid ounces per 1000 square feet) for control of seedling (4 inches tall or less) winter and summer annual weeds listed below:

- Annual morning glory
- Annual sowthistle
- Black medic
- Carpetweed
- Catchweed bedstraw
- Coast fiddleneck
- Common dayflower
- Common lambsquarters
- Common purslane
- Corn speedwell
- Deadnettle spp.
- Field pennycress
- Field speedwell
- Field violet
- FL beggarweed
- FL pusley
- Hairy beggarricks

**Category 2: Used as a stand-alone product for silvery thread moss control**

QuickSilver T&O Herbicide may be used for burndown and control of silvery thread moss (Botrychium arundinaceum) occurring on lawns and golf course greens and tees consisting of bentgrass and hybrid bermuda-
grass. To control silvery thread moss, apply QuickSilver T&O Herbicide at a rate 6.7 fluid ounces of product per acre (0.154 fluid ounces per 1000 square feet) followed by a second application in two weeks at a rate of 6.7 fluid ounces/acre.

**Control over longer periods**

If necessary, applications may be repeated every two weeks at a rate that is no less than 2.0 fluid ounces per acre (0.046 fluid ounces per 1,000 square feet) and no more than 6.7 fluid ounces/acre to control moss that has reestablished, as long as the annual maximum rate of 0.40 lb a.i./acre per year is not exceeded.

Use a non-ionic surfactant in the spray mix at a rate of 0.25% vol-
ume/volume. Follow all adjuvant manufacturer use guidelines.

Do not tank mix with other pesticides for silvery thread moss control. Application to bentgrass or hybrid bermudagrass turf that is under stress due to extreme high (>90°F) or low temperatures, disease infec-
tion, insect infestation or extreme high or low moisture conditions may cause transitory yellowing. Poa annua may be damaged at rates greater than 2.0 fluid ounces per acre.

Most creeping bentgrass and hybrid bermudagrass varieties are toler-
ant to QuickSilver T&O Herbicide applications; however, not all vari-
eties of creeping bentgrass and hybrid bermudagrass have been fully evaluated. When applying QuickSilver T&O Herbicide to creeping bent-
grass lines other than Pancrex or Crenshaw or hybrid bermuda-
grass, it is recommended to first confirm tolerance by making an applic-
ation to a small test area.

Cultural practices that favor the establishment of healthy bentgrass or hybrid bermudagrass will also help to displace moss that is suppressed by the QuickSilver T&O Herbicide treatment.
Category 3: Used in combinations with phenoxy-type postemergence broadleaf herbicides

Apply QuickSilver T&O Herbicide at rates of 0.9 to 1.5 fluid ounces of product per acre (0.021 to 0.034 fluid ounces per 1000 square feet) in tank-mix combinations with amines, esters, and salts of 2,4-D, dichlorprop, dicamba, mecoprop, MCPA and various combinations of these products for control of seedling and mature weeds listed in Category 1 plus the following:

- Canada thistle
- Carolina geranium
- Common chickweed
- Common groundsel
- Common ragweed
- Cutleaf eveningprimrose
- Dandelion
- Dollarweed
- Fleabane
- F. betony
- Ground ivy
- Healin
- Henbit
- Horseweed (Coryza Canadensis)
- Lawn burweed
- Redstem filaree
- Dandelion
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- **Conditions 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 must be followed carefully. It is improper to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control or FMC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold FMC and Seller harmless for any claims relating to such factors.

Sellers warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and buyer assumes the risk of any such use.

To the extent consistent with law, FMC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF FMC AND SELLER 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 FMC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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<th>QuickSilver T&amp;O Herbicide Use Rate Conversion Table</th>
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* Rate used for silvery thread moss control