



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Registration Division (7505T)
 1200 Pennsylvania Ave., N.W.
 Washington, D.C. 20460

EPA Reg. Number:

91234-322

Date of Issuance:

12/13/23

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

A391.06

Name and Address of Registrant (include ZIP Code):

Beth Anderson
 Sr. Regulatory Mgr. Atticus, LLC
 5000 CentreGreen Way, Suite 100
 Cary, NC 27513

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).


Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 91234-322."
3. Submit one copy of the final printed label for the record before you release the product for shipment.

Continues page 2

Signature of Approving Official:


 Shaja B. Joyner, Product Manager 20
 Fungicide-Herbicide Branch
 Registration Division 7505T

Date:

12/13/23

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) lists 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.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

The record for this product currently contains the following CSF(s):

- Basic CSF dated 7/27/2023
- Alternate CSF 1 dated 7/27/2023
- Alternate CSF 2 dated 7/27/2023

If you have any questions, please contact Ernest Kraka at (202)-566-2822 or at kraka.ernest@epa.gov.

Enclosure

{Note to reviewer: [Text] in brackets denotes optional or explanatory language}
{Note to reviewer: {Text} in braces denotes where in the final label text will appear}
{BOOKLET FRONT PANEL LANGUAGE}

CARFENTRAZONE-ETHYL GROUP 14 HERBICIDE

A391.06 [™]

[Alternate Brand Name: Quistador IVM]

Contains carfentrazone-ethyl, the active ingredient used in Quicksilver®IVM].

[For Commercial Use Only. For Use In Rights-of-Way, Utility & Industrial Areas, Fencerows, Paved Areas, Rangeland, Permanent Grass Pastures and Site Preparation]

ACTIVE INGREDIENT:	(% by weight)
Carfentrazone-ethyl: Ethyl α,2-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorobenzenepropanoate.....	21.3%
OTHER INGREDIENTS:78.7%
TOTAL	100.0%

Contains 1.9 pounds of active ingredient per gallon.
Contains petroleum distillates

KEEP OUT OF REACH OF CHILDREN CAUTION

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.)

[See inside label booklet for First Aid, [additional] Precautionary Statements, and Directions for Use.]
[See below additional Precautionary Statements]

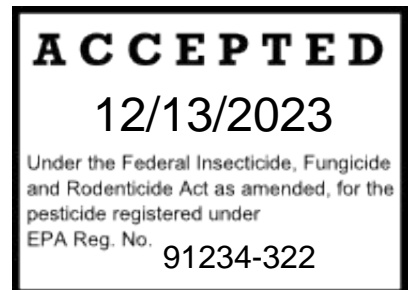
[A391.06 is not manufactured, or distributed by FMC Corporation, seller of Quicksilver®IVM].

EPA Reg. No.: 91234-XX

EPA Est. No.:

Net Contents:

Manufactured for:
Atticus, LLC
940 NW Cary Parkway, Suite 200
Cary, NC 27513



{LANGUAGE INSIDE BOOKLET}

FIRST AID	
If swallowed:	<ul style="list-style-type: none">• Call a 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.
If on skin or clothing:	<ul style="list-style-type: none">• 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:	<ul style="list-style-type: none">• 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 inhaled:	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.• Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information.	
Note to Physician: 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 removal of exposure followed by symptomatic and supportive care. Contains petroleum distillate. Vomiting may cause aspiration pneumonia	

**For Chemical Emergency:
Spill, Leak, Fire, Exposure, or Accident,
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)**

PRECAUTIONARY STATEMENTS **Hazards to Humans and Domestic Animals** **CAUTION**

Harmful if swallowed, Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, socks, shoes, protective eyewear and chemical-resistant gloves including Barrier Laminate, Butyl Rubber > 14 mils, Nitrile Rubber > 14 mils, or Viton > 14 mils.

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.

User Safety Recommendations

Users should:

- 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

This product 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 washwater or rinsate.

For ground water:

Residues of this chemical have properties and characteristics associated with chemicals detected in ground water. Residues of this chemical may leach into ground water if the chemical is used in areas where soils are permeable, particularly where the water table is shallow.

For surface water:

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features including ponds, streams, and springs will reduce the potential loading of carfentrazone-ethyl residues from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

Fish Advisory Statement: This product may be hazardous to aquatic organisms, particularly in clear, shallow water bodies that are adjacent to treated areas. Transport to water by runoff or spray drift of this product in areas where surface water is present, or intertidal areas below the mean high water mark, must be avoided. **DO NOT** contaminate water when disposing of equipment wash water or rinsate.

NON-TARGET ORGANISM ADVISORY STATEMENT

This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by minimizing spray drift.

Physical-Chemical Hazards

DO NOT mix or allow contact with oxidizing agents. Hazardous Chemical reaction may occur. **DO NOT** mix or allow contact with reducing agents. Hazardous Chemical reaction may occur.

DIRECTIONS FOR USE

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

Only use for sites, pests, and application methods specified on this 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.

Endangered Species: It is a Federal offense to use any pesticide in a manner that results in the death of an endangered species. Use of this product may pose a hazard to endangered or threatened species. When using this product, you must follow the measures contained in the Endangered Species Protection Bulletin for the county in which you are applying the product. To obtain Bulletins, no more than six months before using this product, consult <http://www.epa.gov/espp/> or call 1-800-447-3813. You must use the Bulletin valid for the month in which you will apply the product.

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 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, including plants, soil, or water, is: Coveralls, chemical-resistant gloves including Barrier Laminate, Butyl Rubber > 14 mils, Nitrile Rubber > 14 mils, or Viton > 14 mils, and shoes plus socks.

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.

PRODUCT INFORMATION

A391.06 is a formulation which is emulsifiable in water. It is designed to be mixed with water and applied for selective postemergent control of broadleaf weeds. When applied alone, weed control is best when the product is applied to small actively growing weeds (1-4 inches in height).

A391.06 is a contact herbicide with little or no residual activity at specified use rates.

A391.06 is rapidly absorbed through the foliage of plants.

The herbicide is rainfast within one hour after application. Within a few hours following application, the foliage of susceptible weeds show signs of desiccation, and in subsequent days, necrosis and death of the plant.

Extremes in environmental conditions e.g. temperature and moisture, soil conditions, and cultural practices may affect the activity of this product. Under warm moist conditions, herbicide symptoms may be accelerated. While under very dry conditions, the expression of herbicide symptoms is delayed, and weeds hardened off by drought are less susceptible to this product.

Tank Mixtures

This product may be tank mixed with other herbicides to control weeds not listed on this label. Read and follow all manufacturer's label recommendations for the companion herbicide except for specific recommendations on this label.

Adjuvants

Use a non-ionic surfactant (NIS) with a minimum concentration of 80% at 0.25% vlv (2 pints per 100 gallons of spray solution) or a non-ionic surfactant at 0.25% vlv (2 pints per 100 gallons) plus 28% nitrogen (UAN) at 2 to 4 quarts per 100 gallons or a methylated seed oil surfactant at 0.5% vlv (4 pints per 100 gallons) or ammonium sulfate (AMS) at 2-4 pounds per acre where specified by those companion herbicides listed on this label.

Mixing and Loading Instructions

Fill the spray tank 3/4 full with clean water. Make sure the agitation system is operating. Add the specified amount of this product and complete filling the spray tank to the desired level. The spray tank agitation must be sufficient to ensure uniform spray mixture during application. When tank mixing with other products, **A391.06** must be mixed first in the spray tank. After the product is thoroughly mixed, add the other products as specified on their label. Ensure the compatibility of other products with this product before mixing them in the tank.

DO NOT use with tank additives that alter the pH of the spray solution below pH5 or above pH8. Buffer spray solution to alter the pH range as appropriate.

Product Application Guidelines

Thorough weed coverage with the spray mixture is essential for optimum weed control. **DO NOT** apply when conditions are conducive to spray drift, poor spray deposition or poor weed coverage.

When this product is applied as a tank mixture with other herbicides, read and follow the label directions of the other product if they are more restrictive than those of the **A391.06** label.

Ground Applications

Utilize a boom and nozzle sprayer equipped with the appropriate nozzles, spray tips and screens which are adjusted to provide optimum spray distribution and coverage at the appropriate operating pressures. Utilize nozzles which produce minimal amounts of fine spray droplets.

DO NOT exceed 30 psi spray pressure unless otherwise required by the manufacturer of drift reducing nozzles. Apply a minimum of 10 gallons of finished spray per acre. Higher spray volumes are required when there is a dense weed population. Sprayers must be adjusted to position spray tips to a minimum of 18 inches above the treatment area and operated to avoid the application of excessive herbicide rates directly over the treatment area. Be aware that overlaps and slower ground speeds while starting, stopping or turning while spraying may result in higher application rates.

Aerial Applications (by Helicopter Only)

Use nozzle types and arrangements that will provide optimum coverage while producing a minimal amount of fine droplets.

Apply at a minimum of 10 gallons of finished spray per acre. Higher spray volumes are required when there is a dense weed population or crop canopy.

For Aerial Application in California:

(Refer to individual crop sections to see if **A391.06** application is permitted by air)

SPRAY DRIFT

Aerial Applications:

- For aerial applications, the distance of the outer most nozzles on the boom must not exceed 75% of the length of the wingspan or 90% of rotor diameter. To further reduce drift, use on half of the length of the wingspan or rotor diameter at the edge of the field.
- Applicators must only spray when wind speed is 10 miles per hour or less.
- Applicators must not spray during temperature inversions.
- For aerial applications, the release height must be no higher than 10 feet from the top of the crop canopy,

unless a greater application height is required for pilot safety.

- For aerial applications, select nozzle and pressure that produce medium to coarse spray droplets as indicated in nozzle manufacturer's catalogues and in accordance with ASABE Standard 572.1.

Ground Boom Applications:

- For ground boom applications, apply with the nozzle height no more than 4 feet above the ground or crop canopy. For all other ground applications, the nozzle must be no more than 4 feet from the target vegetation.
- For ground applications, select nozzle and pressure that produce medium to coarse spray droplets as indicated in nozzle manufacturer's catalogues and in accordance with ASABE Standard 572.1.

SPRAY DRIFT MANAGEMENT

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

Carfentrazone-ethyl is a contact herbicide. Avoid any drift conditions that would allow the product to contact desirable vegetation. Carfentrazone-ethyl is not volatile; however, mist from spray drift may cause injury to sensitive plants.

The interaction of equipment and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target movement from applications to agricultural field crops. These requirements **DO NOT** apply to forestry applications, public health uses, or to applications of dry materials. Where states have more stringent regulations, they must be observed.

Information on droplet size

The most effective way to reduce drift potential is to apply large droplets. The optimum 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 when applications are made improperly, or under unfavorable environmental conditions (See Wind, Temperature and Humidity, and Temperature Inversions).

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.

For all non-aerial applications, wind speed must be measured adjacent to the application site, on the upwind side, immediately prior to application.

Controlling Spray Droplet Size

Volume - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows usually produce larger droplets.

Pressure - **DO NOT** use pressures greater than that specified by the nozzle manufacturer. 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 – For aerial application, orient nozzles so that the spray is released parallel to the airstream. A parallel orientation results in larger droplets than other orientations and reduces air turbulence and the production of small droplets. 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. For aerial applications, solid stream nozzles oriented straight back produce the largest droplets and potentially the least drift.

Boom Length - For some aerial use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

Application Height – Making applications at the lowest height that is safe reduces exposure of spray droplets to evaporation and wind movement. Aerial applications must not be made at a height greater than 10 feet above the top of the target plants unless a greater height is required for aircraft safety.

Swath Adjustment - Swath adjustment distance must increase, with increasing drift potential.

Drift Reduction Technology (DRT) - The EPA Drift Reduction Technology (DRT) Program was developed to encourage the manufacture, marketing, and use of spray technologies scientifically verified to significantly reduce pesticide drift. The use of DRTs must result in significantly less pesticide from spray applications drifting and being deposited in areas not targeted by those applications, compared to spray technologies that do not meet the minimum DRT standard. EPA-verified drift reduction technologies (DRTs) and their ratings will be added to the following webpage as they become available: <https://www.epa.gov/reducing-pesticide-drift/epa-verified-and-rated-driftreduction-technologies>

Wind - Drift potential is lowest between winds speeds of 3 to 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given wind speed. Applications shall be avoided below 3 mph due to variable wind direction and high inversion potential. **DO NOT** apply Carfentrazone-ethyl when wind speed exceeds 10 mph. NOTE: Local terrain can influence wind patterns. Every applicator shall 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 – **DO NOT** apply carfentrazone-ethyl during a temperature inversion because the 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 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 following 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.

Shielded Sprayers - Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

Sensitive Areas – Carfentrazone-ethyl shall only be applied when the wind is blowing away from adjacent sensitive areas (e.g. residential areas, bodies of water, known habitats for threatened or endangered species and non-target crops).

Resistance Management

For resistance management, **A391.06** is a Group 14 herbicide. Any weed population may contain or develop plants naturally resistant to **A391.06** and other Group 14 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

To delay herbicide resistance take one or more of the following steps:

- Rotate the use of **A391.06** or other Group 14 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include:
 - failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
 - a spreading patch of non-controlled plants of a particular weed species;
 - surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by applying an alternative herbicide from a different group or by a mechanical method including hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Atticus, LLC at 984-465-4800.

Spray Equipment Clean-Out

Residues left in mixing equipment, spray tanks, hoses, spray booms and nozzles can cause non-target plant effects if they are not properly cleaned. Because **A391.06** can be highly phytotoxic to sensitive crops and ornamental plants it is strongly advised that only equipment that is dedicated exclusively to industrial vegetation management herbicides or Rangeland and Permanent Grass Pastures be used in the application of **A391.06**.

If not using a dedicated sprayer, observe the following cleanout procedures:

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 (containing 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, tanks, 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 separately.

DO NOT apply sprayer cleaning solutions or rinsate to any lawns, ornamentals, gardens or crops. Should small quantities of **A391.06** remain in mixing, loading and/or spray equipment that has been cleaned as described above, they may be released during subsequent applications potentially causing effects to non-target vegetation. Atticus, LLC accepts no liability for adverse responses to non-target plants or crops.

{NOTE TO REVIEWER: Registrant may add or remove the following state restriction statement as required throughout. (e.g. NOT FOR USE IN CALIFORNIA)}

[NOT FOR USE IN _____]

Use Rates

A391.06 may be used on rights-of-way, utility and industrial areas, fencerows, paved surfaces, site preparation prior to tree planting[*], and for broadleaf weed control in rangeland and permanent grass pastures. Refer to the individual use site sections on this label for rates of application. Coverage is essential for good control, use a non-ionic surfactant (NIS) with a minimum concentration of 80% at 0.25% vlv (2 pints per 100 gallons of spray solution) or a petroleum or vegetable seed based oil concentrate at 1.5 to 2.0 pints per acre. For this product plus grass herbicide tank mixes, follow adjuvant recommendations for the grass herbicide partner.

[*Not for Use in California]

Weeds Controlled

A391.06, when applied at specified rates, will control many annual, biennial, and perennial broadleaf weeds found in non-cropland areas.

Weeds Controlled	Use Rate
Amaranthus spp. Annual Arrowhead Bedstraw, Catchweed Bindweed, Field (burndown) Black raspberry[*] Flixweed Indian Jointvetch Lambsquarters, Common Mustard, Tansy Narrow leaved plantain Nightshade, Black Nightshade, Hairy Northern Jointvetch Pennycress, Field Pigweed, Redroot Purslane, Common Sesbania, Hemp Smartweed, Penn. Spurge, prostrate Texasweed Velvetleaf (Up to 18 inches) Wallflower, Bushy Woolly croton[*]	1/4 - 2 fl oz per acre (0.004 – 0.030 lbs ai/A)
Anoda, Spurred Carpetweed Cocklebur, Common Groundcherry, Wright Kochia Morningglories: Entireleaf, Ivyleaf, Pitted & Scarlet Sage, Lanceleaf	1 - 2 fl oz per acre (0.015 - 0.030 lbs ai/A)
Nightshade, Silver Ragweed, Common	1 1/2 - 2 fl oz per acre (0.022 – 0.030 lbs ai/A)

Weeds Suppressed	Use Rate
Purple Ammania Rice Flatsedge Spreading Dayflower Thistle, Russian	1/4 - 2 fl oz per acre (0.004 – 0.030 lbs ai/A)

Rights-of-Way, Utility and Industrial Areas and Fencerows[*]

A391.06 is advised for use on non-crop land areas including rights-of-way (roadways, rest areas, utility, railroad, highway, pipeline, and rights-of-way that run through pasture and rangeland); utility facilities (examples: substations, pipelines, tankfarms, pumping stations, parking and storage areas, fencerows, and non-irrigated ditchbanks). Observe all precautions on this label.

[***DO NOT** apply by air in the state of California]

Rights-of-Way[*]

A391.06 can be used to control many broad leaf weeds on rights-of-way. This use includes application to roadside, roadway and highways; to areas along utilities including cable and powerlines; railroad track and embankment; highways, highway medians, bridge abutments, pipelines, and rights-of-way that run through pasture and rangeland. Use controlled application techniques that minimize the risk of off-target movement.

[***DO NOT** apply by air in the state of California]

Utility and Industrial Areas[*]

A391.06 can be used to control many broadleaf weeds in non-crop areas on or surrounding substations, pipelines, tankfarms, pump stations, production facilities, and bareground situations. It may also be used on parking and storage areas.

[***DO NOT** apply by air in the state of California]

Fencerows[*]

A391.06 can be used to control many broadleaf weeds in fencerows.

Apply this product alone or with other herbicides to control or suppress annual broadleaf weeds on rights-of-way, utility and industrial areas and fencerows. For control of additional broadleaf weeds. **A391.06** may be mixed with 2,4-D (amine or ester), MCPA (amine or ester), dicamba, atrazine, all currently labeled sulfonyl-urea herbicides and fluroxypyr.

Optimum broad-spectrum control of annual and perennial weeds requires a tank mix of a broad-spectrum herbicide including glyphosate, glufosinate, glyphosate, imazapyr, or imazapic. For all products used in tank mixes refer to the specific product labels for all restrictions on tank mixing and observe all label precautions and instructions. **DO NOT** apply more than 10 fl oz (0.15 lb of active ingredient) per acre per season in rights-of- way, utility and industrial areas and fencerows.

Use **A391.06** at 1/4 - 2 fl. oz. (0.004 - 0.030 pounds of active ingredient) per acre in rights -of- way, utility and industrial areas and fencerows. Use rate is dependent upon target weed, stage of growth and environmental conditions at the time of application.

For best performance, make applications to actively growing weeds.

[***DO NOT** apply by air in the state of California]

Paved Surfaces[*]

A391.06 can be used in tank mix combinations with systemic herbicides for control of weeds growing under or on asphalt, including highways, capped islands, parking lots, sidewalks, driveways, bike or jogging paths, golf cart paths, tennis courts and other paved areas. Apply **A391.06** at 2.0 fl oz/A in tank mixes with specified use rates of systemic

herbicides approved for paved surface applications. Observe all precautions and restrictions on the product labels. Always follow the most restrictive label. Apply as a broadcast foliar spray using ground operated sprayers in 10 to 100 gallons of total spray solution per acre. Coarse sprays are less likely to drift; therefore, **DO NOT** use nozzles or nozzle configurations that dispense spray as fine spray droplets. For best results with ground application equipment, use flat fan or off-centered nozzles. Check for even distribution of spray droplets. Follow all appropriate Federal and State DOT guidelines and regulations for roadway paved surface applications. If applied prior to paving operations, perennial weed vegetative reproduction parts, including rhizomes, stolons or tubers, must be removed by scalping with grader blade to a depth sufficient to ensure their complete removal. Paving must follow **A391.06** applications as soon as possible.

[***DO NOT** apply by air in the state of California]

Site Preparation[*]

A391.06 is advised in combination with other herbicides labeled for use in site preparation, including imazapyr, glyphosate and triclopyr, for control of regenerating conifer seedlings, for quick initial brown out (deadening) of foliage, and for control of herbaceous and perennial weeds in site preparation prior to planting any tree species, including conifers, hybrid tree cultivars, silvicultural nursery trees, eucalyptus, and Christmas trees.

[*Not for Use in California]

Apply **A391.06** at 2.0 to 6.0 fl oz/A (0.030 – 0.089 lb ai/A) in combination with the other herbicides as a broadcast foliar spray using aerial (helicopter only) applications, ground operated sprayers, and hand-operated spray equipment including back-back and pump-up sprayers. Refer to the appropriate product label for specified rates of application and weeds controlled. Use the higher specified rates for control of dense stands or difficult-to-control woody brush and trees. For control of herbaceous weeds only, use the lower specified tank mixture rates. Observe all precautions and restrictions on the product labels. Always follow the most restrictive label and observe planting interval restrictions. Follow all appropriate Federal and State guidelines and regulations for aerial applications.

For aerial applications, **A391.06** plus combinations is advised for helicopter use only. Apply the specified rate of **A391.06** plus combinations in 10 to 20 gallons of total spray solution per acre. **DO NOT** apply directly to any body of water. Maintain adequate stream management buffer zones to reduce potential for drift from the targeted application area. Coarse sprays are less likely to drift; therefore, **DO NOT** use nozzles or nozzle configurations that dispense spray as fine spray droplets. **DO NOT** angle nozzles forward into the airstream and **DO NOT** increase spray volume by increasing nozzle pressure. To prevent streaked, uneven or overlapped application, the use of appropriate marking devices and/or global positioning systems are advised. Thoroughly wash aircraft and landing gear after each day of spraying to remove residues of **A391.06** and other herbicide products that may have accumulated during spraying.

For ground and hand-operated sprayers, apply the specified rate of **A391.06** plus combinations in 10 to 100 gallons of total spray solution per acre. As density of regenerating pine seedlings or weeds increases, spray volume must be increased within the specified range to ensure complete coverage. **DO NOT** apply directly to any body of water. Maintain adequate stream management buffer zones to reduce the potential for drift off the targeted application area. Follow appropriate state guidelines for establishing and maintaining stream management buffer zones. Coarse sprays are less likely to drift; therefore, **DO NOT** use nozzles or nozzle configurations that dispense spray as fine spray droplets. For best results with ground application equipment, use flat fan or off-centered nozzles. Check for even distribution of spray droplets.

DO NOT apply more than 6 fl oz/A (0.089 lb ai/A) per season for site preparation.

Broadleaf Weed Control in Rangeland and Permanent Grass Pastures

Use **A391.06** at a rate of 0.25 to 2 fluid ounces per acre to control susceptible broadleaf weeds on rangeland areas or established forage grasses in permanent grass pastures. Best results on most weeds are obtained when weeds are small and actively growing and application is made in 10 or more gallons per acre of water using ground equipment. **A391.06** may be tank mixed with other herbicides labeled for rangeland and permanent grass pastures

to control weeds not listed on this label. Refer to the appropriate product label of the tank mix partner for the specified rates of application and adjuvant partners.

DO NOT apply more than 2 fl oz/A (0.030 lb ai/A) per season in rangeland and permanent grass pastures.

[***DO NOT** apply by air in the state of California]

There are no grazing or haying restrictions following **A391.06** applications when used at labeled rates.

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used must be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the 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:

[For plastic containers ≤ 5 gallons: Nonrefillable Container: DO NOT reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.]

[For plastic containers > 5 gallons: Nonrefillable container: DO NOT reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Recap 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.]

LIMITATION OF WARRANTY AND LIABILITY

IMPORTANT: READ BEFORE USE. Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of ATTICUS, LLC. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ATTICUS, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither ATTICUS, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

[A391.06] is a trademark of Atticus, LLC

[Quicksilver® is a registered trademark of FMC Corporation.]

{LANGUAGE ON LABEL AFFIXED TO CONTAINER}

CARFENTRAZONE-ETHYL GROUP 14 HERBICIDE

A391.06[™]

[Alternate Brand Name: Quistador™ IVM]

[Contains carfentrazone-ethyl, the active ingredient used in Quicksilver® IVM].

[For Commercial Use Only. For Use In Rights-of-Way, Utility & Industrial Areas, Fencerows, Paved Areas, Rangeland, Permanent Grass Pastures and Site Preparation]

ACTIVE INGREDIENT: (% by weight)

Carfentrazone-ethyl: Ethyl α,2-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorobenzenepropanoate.....21.3%

OTHER INGREDIENTS:.....78.7%

TOTAL 100.0%

Contains 1.9 pounds of active ingredient per gallon.

Contains petroleum distillates.

KEEP OUT OF REACH OF CHILDREN

CAUTION

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.)

Table with 4 rows: FIRST AID, If swallowed, If on skin or clothing, If in eyes, If inhaled. Each row contains specific instructions for handling the product.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information.

Note to Physician: 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 removal of exposure followed by symptomatic and supportive care. Contains petroleum distillates. Vomiting may cause aspiration pneumonia.

For Chemical Emergency:

Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed, Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using

the toilet. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS: This product 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 washwater or rinsate.

For ground water: Residues of this chemical have properties and characteristics associated with chemicals detected in ground water. Residues of this chemical may leach into ground water if the chemical is used in areas where soils are permeable, particularly where the water table is shallow.

For surface water: This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features including ponds, streams, and springs will reduce the potential loading of carfentrazone-ethyl residues from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours

Fish Advisory Statement: This product may be hazardous to aquatic organisms, particularly in clear, shallow water bodies that are adjacent to treated areas. Transport to water by runoff or spray drift of this product in areas where surface water is present, or intertidal areas below the mean high water mark, should be avoided. DO NOT contaminate water when disposing of equipment wash water or rinsate.

NON-TARGET ORGANISM ADVISORY STATEMENT: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

PHYSICAL/CHEMICAL HAZARDS: DO NOT mix or allow contact with oxidizing agents. Hazardous Chemical reaction may occur. DO NOT mix or allow contact with reducing agents. Hazardous Chemical reaction may occur.

STORAGE AND DISPOSAL

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See inside label booklet for additional Precautionary Statements and Directions for Use.

[A391.06 is not manufactured, or distributed by FMC Corporation, seller of Quicksilver® IVM].

Manufactured by: Atticus, LLC 940 NW Cary Parkway, Suite 200 Cary, NC 275137

EPA Reg. No.: 91234-XX EPA Est. No.: NET CONTENTS:

{Optional Marketing graphics}

