

**QUALI-PRO**

GROUP 2 | 4 | HERBICIDES

# FAHRENHEIT™



## Herbicide

Fahrenheit™ is a 38% water soluble granule herbicide for the control of broadleaf and grassy weeds in labeled warm-season turfgrasses.

### ACTIVE INGREDIENTS:

Potassium salt of Dicamba: .....33.00%

Metsulfuron-methyl: .....5.00%

OTHER INGREDIENTS: .....62.00%

TOTAL: .....100.00%

**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.)

EPA Reg. No. 53883-387

EPA Est. No. 53883-TX-002

**NET WEIGHT: 6 OZ.**



ADAMA

Manufactured for:

**Control Solutions Inc.**

5903 Genoa-Red Bluff, Pasadena, TX 77507

A member of Adama

Consumer and Professional Solutions



EPA 122916

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### **FIRST AID**

<b>IF IN EYES:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"><li>• Immediately call a poison control center or doctor for treatment advice.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>

### **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® International at 866-897-8050 for emergency medical treatment information.

## **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. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco, chewing gum, or using the toilet. Remove and wash contaminated clothing before reuse.

### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**All mixers, loaders, and applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks, and
- Chemical-resistant gloves made of material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride or viton (except for applicators using ground boom equipment).
- Protective eye-wear (goggles, face shield, or safety glasses).

See engineering controls for additional requirements.

### **PHYSICAL AND CHEMICAL HAZARDS**

Do not mix or allow contact with oxidizing agents. Hazardous chemical reaction may occur.

### **USER SAFETY REQUIREMENTS**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### **ENGINEERING CONTROL STATEMENTS**

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**IMPORTANT:** When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "Applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

### **USER SAFETY RECOMMENDATIONS**

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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**

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff water may flow during periods of intense rainfall or to water-saturated soils, as off-target movement and injury may occur. Do not contaminate water when cleaning equipment or disposing of equipment wash waters. Do not apply this product through any type of irrigation system.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

#### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.**

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.

Do not allow people or pets to enter the treated area until sprays have dried.

For any requirements specific to your State or Tribe, consult the Agency responsible for pesticide regulation.

### **AGRICULTURAL USE REQUIREMENTS**

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

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 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 worn over short sleeved shirt and short pants,
- chemical resistant gloves made of any waterproof material,
- chemical resistant headgear for overhead exposure, and
- protective eyewear (goggles, face shield, or safety glasses).



### **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. Do not enter treated areas without protective clothing until sprays have dried.

### **PRODUCT INFORMATION**

Fahrenheit™ herbicide is a selective herbicide with two modes of action that provide a broad spectrum of weed control in turfgrass. Weeds are controlled after germination with some residual, pre-emergent activity on certain weed species. Fahrenheit™ herbicide is intended as a foliar spray application by professional applicators to established turf including residential lawns, commercial lawns, golf courses, sports fields, parks, campsites, recreational areas, roadsides, school grounds, cemeteries, and sod farms to control annual and perennial broadleaf weeds and grasses in certain labeled warm-season turfgrasses.

### **SYMPTOMOLOGY**

Weed growth ceases within hours after application resulting in control of weeds within 1-3 weeks after application depending on the weed species and environmental conditions. Weed control is more rapid when soil temperatures are above 60°F and weeds are not under moisture stress.

### **MODE OF ACTION**

Fahrenheit™ herbicide contains two modes of action: Group 2 and Group 4. As a Group 2 herbicide, metsulfuron-methyl inhibits acetolactate synthase (ALS) responsible for the synthesis of essential amino acids that are necessary for plant growth. As a Group 4 herbicide, dicamba is a synthetic auxin that mimics the natural plant hormone indole acetic acid (IAA) causing rapid, abnormal cell growth further leading to a blockage of phloem vascular tissue. This combination delivers a very effective weed control tool.

### **TURFGRASS TOLERANCE**

This product can be used on varieties of St. Augustinegrass, Bermudagrass, Centipedegrass and Zoysiagrass. Due to sheer numbers, all varieties have not been screened, so testing should be done prior to use on a small area to determine if your variety has tolerance. Some temporary discoloration can occur if turfgrass is under stress from lack of moisture, insects, disease, etc. Spot treatments during temperatures above 85°F may cause temporary growth reduction of St. Augustinegrass.

### **SPRAY DRIFT**

Apply in wind of 10 mph or less. Avoid drift to desirable vegetation. A buffer zone of 25 feet between the application area and sensitive areas should be maintained. Spray nozzles that offer MEDIUM-sized droplets recommended. High temperatures, drought and low relative humidity increase the possibility of harmful spray drift. Caution must be used when these conditions are present and sensitive plants are nearby.

### **PRECAUTIONS**

Make applications to actively growing weeds. If applications must be made to turfgrass under stress due to lack of moisture, irrigate prior to application of Fahrenheit™ herbicide. Rainfall, light mist, or irrigation soon after application and prior to drying of the spray may reduce efficacy necessitating retreatment. Avoid applications where roots of ornamental plants, including shrubs, may extend.

### **USE RESTRICTIONS**

1. Do not apply more than 12 oz. of this product per acre per calendar year.
2. Do not apply to turfgrass under stress due to high temperatures (above 85°F), lack of moisture, poor fertility, diseases, or insects.
3. Do not use this product on grasses other than those specifically listed on this label as injury may occur.
4. Do not apply to golf course greens or collars.
5. Do not apply through any type of irrigation system.
6. Do not apply by aircraft of any type.
7. Do not plant ornamentals such as shrubs and trees in treated areas for at least 1 year or bedding plants for at least 2 years after the last application.

8. Do not apply to turfgrass less than one year old.
9. Do not apply to bodies of water.
10. Do not mow immediately after application.
11. Do not transfer grass clippings to non-target areas.
12. Do not use on food or feed crops.
13. Do not apply to Dichondra lawns or lawns where desirable clovers are present.

#### **BROADCAST APPLICATION**

For broadcast applications, 20-80 gallons per acre of water is recommended using pressures of 30-40 psi. Use higher volumes for dense weed populations or under dry conditions. Nozzle height should be no more than 3 feet above the ground to reduce drift. Flat fan nozzles should be held stationary and not used with swinging arm motion.

### **SPOT APPLICATION**

For spot applications with a backpack or hand-held tank sprayer, add 0.2 oz. per one gallon of water and apply uniformly over 1,000 square feet.

### **TANK MIXING WITH ADJUVANTS AND FERTILIZERS**

Fahrenheit™ herbicide may be applied with a non-ionic surfactant (NIS) of at least 80% active content at 0.25% v/v (1 qt./100 gal) of the spray solution. Soluble fertilizers may also be tank-mixed. Using adjuvants/ surfactants or fertilizers in high temperatures or when turfgrass is under stress may cause injury.

### **COMPATIBILITY**

A mixing test using a quart glass jar or similar container is encouraged to identify compatibility when using adjuvants, fertilizers, or other tank-mix partners. Mix in the same ratio as would be used in the spray tank. Indications of incompatibility will occur usually within 5-15 minutes of mixing. Make sure to follow label precautions and directions when tank-mixing different active ingredients.

### **SPRAY SOLUTION pH**

Spray solution pH near 7.0 is ideal. Acidic sprays of less 6.0 should be sprayed within 24 hours, otherwise a suitable buffer should be added.

## **MIXING INSTRUCTIONS**

1. Fill the tank 1/4 to 1/2 full of water.
2. While agitating, add the required amount of Fahrenheit™
3. Continue agitation until the Fahrenheit™ is fully dispersed, at least 5 minutes.
4. Once the Fahrenheit™ is fully dispersed, maintain agitation and continue filling tank with water. Fahrenheit™ should be thoroughly mixed with water before adding any other material.
5. As the tank is filling, add tank-mix partners (if desired), then add the necessary volume of non-ionic surfactant (NIS). Always add surfactant last.
6. If the mixture is not continuously agitated, settling will occur. If settling occurs, thoroughly re-agitate before using.
7. Maintain agitation while spraying.

## **TANK CLEANUP**

1. Drain the tank completely, then wash out tank, boom, and hoses with clean water. Drain again.
2. Fill the tank half-full with clean water and add ammonia (3% domestic ammonia solution) at a dilution rate of 1% (1 gallon of domestic ammonia for every 100 gallons of rinsate). Completely fill the tank with water. Agitate/re-circulate and flush through boom and hoses. Leave agitation on for 10 minutes. Drain tank completely.
3. Repeat Step 2
4. Remove nozzles and screens and soak them in a 1% ammonia solution. Inspect nozzles and screens and remove visible residues. Use nylon nozzle brush if available.
5. Flush tank, boom, and hoses with clean water.
6. Inspect tank for residues. If visible, repeat Step 2.

## **WEED CONTROL INFORMATION**

This product may be used to control a variety of broadleaf weeds and grasses in tolerant turf. Apply this product to susceptible weeds as listed in the Use Rates for Weed Control section. For certain difficult-to-control weeds, a follow-up application made 4-6 weeks later may be necessary. Total amount of product applied in a single calendar year (365 days) must not exceed 12 oz. per acre.



### **BERMUDAGRASS OVERSEEDED WITH RYEGRASS**

Bermudagrass may be treated with broadcast applications prior to overseeding. Allow a minimum of 2 months (60 days) between broadcast application to established turf and overseeding with ryegrass.

### **SEEDING/SPRIGGING INTERVALS**

**Seeded or Sprigged Bermudagrass, Centipedegrass, and Zoysiagrass:** Apply only after one full year of growth.

**Sodded Bermudagrass, Centipedegrass, St. Augustinegrass, and Zoysiagrass:** Apply only after one full year of growth.

**NON-AGRICULTURAL USE: TURFGRASS – LAWNS, PARKS, CEMETERIES, AND GOLF COURSES  
(FAIRWAYS, APRONS, TEES AND ROUGHS)  
AGRICULTURAL USE: SOD FARMS**

**USE RATES FOR WEED CONTROL**

**3 OZ PRODUCT/ACRE**

Ryegrass

**3 TO 4 OZ PRODUCT/ACRE**

Annual fleabane

Bittercress

Black medic

Blue mustard

Bristly mallow

Buttercup

Carpetweed

Carolina geranium

Catchweed bedstraw

Chicory

Clover (white)

Common chickweed

Common dandelion

Corn chamomile

Corn cockle

Cow cockle

Creeping beggarweed

Dwarf mallow

Field pennycress

Florida beggarweed

Parsley-piert

Prostrate spurge

Redstem filaree

Smoothweed bedstraw

Virginia pepperweed

Wild buckwheat

Wild carrot

#### **4 TO 6 OZ PRODUCT/ACRE**

Annual sowthistle	Gromwell	Silverleaf nightshade
Bitter sneezeweed	Ground ivy*	Slender Aster
Bracted plantain	Hawkweed	Smooth pigweed
Broadleaf dock	Hemp sesbania	Smallseed falseflax
Buffalobur	Henbit	Spiny amaranth
Bull thistle	Jimsonweed	Spiny aster
Burclover	Knotweed	Spotted knapweed
Burcucumber	Lawn burweed (Spurweed)	Stinging nettle
Common burdock	Lespedeza	Sweet clover
Common cocklebur	Mayweed	Tansy mustard
Common evening primrose	Milk thistle	Teasel
Common lambsquarters	Milkweed (various)	Treacle mustard
Common mallow	Miners lettuce	Tropic croton
Common purslane	Morningglory (various)	Tumble mustard
Common ragweed	Mouseear chickweed	Velvetleaf

*(continued)*

Common yarrow  
Crown vetch  
Cutleaf evening primrose  
Curly dock  
English daisy  
Field chickweed  
Florida betony  
Florida pusley  
Giant ragweed  
Goldenrod

**3 TO 9 OZ PRODUCT/ACRE**

Bahiagrass\*

Musk thistle  
Pigweed (various)  
Plantain  
Prickly sida  
Prostrate spurge  
Purple vetch  
Redroot pigweed  
Ryegrass  
Sheep sorrel  
Shepherdspurse

Waterhemlock  
White cockle  
Wild celery  
Wild garlic  
Wild lettuce  
Wild onion  
Wild radish  
Woodsorrel  
Woolly croton  
Yellow starthistle

## 6 TO 12 OZ PRODUCT/ACRE

Black nightshade	Foxtail	Prostrate knotweed
Bracken fern	Hoary cress (whitetop)	Russian thistle
Brazil pusley	Horsenettle	Sicklepod
Buckhorn plantain	Horseweed	Southern sida
Canada thistle*	Ironweed	Tropical soda apple
Common groundsel	Jerusalem artichoke	Trumpet creeper
Common purslane	Leafy spurge	Virginia buttonweed*
Common sunflower	Kochia	Waterhemp
Creeping woodsorrel*	Pennsylvania smartweed	Wild mustard
Dogfennel	Perennial sowthistle	Wormwood (common)
Dollarweed*	Pokeweed	Wormwood (Louisiana)
Field bindweed	Poorjoe	Yankeeweed

\* A repeat application may be required in 4 to 6 weeks.

**St. Augustinegrass, Bermudagrass and Zoysiagrass:** Apply 3 to 12 oz. of per acre for weed control. Some chlorosis or stunting of the turfgrass may occur following application.

**Bahiagrass Control:** For the selective control of Bahiagrass in Bermudagrass turf, use 3 to 9 oz. per acre. Use the higher rates of the range on Argentine, Common, and Paraguayan Bahiagrass varieties. Repeat application in 4-6 weeks if necessary. Some chlorosis or stunting of the Bermudagrass may occur following application.

**Centipedegrass:** Apply 3 to 6 oz. of this product per acre for weed control. Some chlorosis or stunting of the turfgrass may occur following the application. Do not apply if injury cannot be tolerated.

### **STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Always use original container to store pesticides in a secured warehouse or storage building. Do not store near open containers of fertilizers, seeds, or other pesticides.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on-site or at an approved waste disposal facility.

#### **CONTAINER HANDLING:**

**Non-refillable Container (rigid-50 lbs. or less):** Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 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. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or by burning, if allowed by State and local authorities. If burned, stay out of smoke.

### **LIMITATION OF WARRANTY AND LIABILITY**

Read the entire direction for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following CONDITIONS, 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 risk associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Control Solutions, Inc. All such risks shall be assumed by the user or buyer.



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