

279-3412

7/10/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON D C 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Jill Holihan
FMC Corporation
1735 Market Street
Philadelphia PA 19103

7/10/12

Subject Agency Initiated Label Amendment / F6482 2 Turf and IVM Herbicide
EPA Reg No 279 3412

Dear Ms Holihan

The amended labeling referred to above submitted in connection with registration under the Federal Insecticide Fungicide and Rodenticide Act as amended is acceptable

Submit one copy of the final printed label for the record before you release the product for shipment A stamped copy of the label is enclosed for your records This master label supersedes all previously accepted labels If these conditions are not complied with the registration will be subject to cancellation in accordance with FIFRA section 6(e) Your release for shipment of the product constitutes acceptance of these conditions If you have any questions please call Erik Kraft at 703 308 9358 or email at Kraft Erik@epa gov

Sincerely

Kable Bo Davis
Product Manager 25
Herbicide Branch
Registration Division (7505P)

F6482 -2 Turf and IVM Herbicide

For Use in Railroad Highway Roadside Pipeline and Utility Rights of Way Industrial Areas and Fence Rows Can Also Be Used For Selective Weed Control in Turf Sites Including Residential and Institutional Lawns Athletic Fields Commercial Sod Farms Golf Course Fairways and Roughs

EPA Reg No 279 3412 EPA Est 279 IL 1

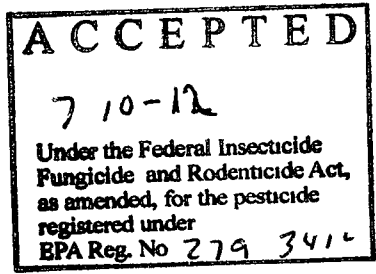
Active Ingredient	By Wt
Sulfentrazone	18 00%
Metribuzin	27 00%
Other Ingredients	<u>55 00%</u>
TOTAL	100 00%

F6482 Turf and IVM Herbicide contains 0.45 pounds active ingredient per pound. 0.18 pounds sulfentrazone and 0.27 pounds metribuzin.

N [2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide
4-amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5(4H)-one

KEEP OUT OF REACH OF CHILDREN CAUTION

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 a poison control center or doctor immediately for treatment advice Do not give any liquid to the person Do not induce vomiting unless told to do so by the poison control center or doctor Do not give anything by mouth to an unconscious person
HOTLINE 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 1-800-331-3148 for emergency medical treatment information.	
For information regarding the use of this product call 1-800-321-1FMC(1362)	



PRECAUTIONARY STATEMENTS Hazards to Humans (and Domestic Animals) CAUTION

Causes moderate eye irritation. Harmful if inhaled, swallowed or absorbed through the skin. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes or clothing.

Personal Protective Equipment (PPE)
Applicators and other handlers must wear long sleeved shirt and long pants, waterproof gloves and shoes plus socks and protective eyewear.

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

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



FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia, PA 19103

Environmental Hazards

This pesticide is toxic to marine/estuarine invertebrates. Do not apply directly to water to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to terrestrial and aquatic plants in neighboring areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

Groundwater advisory: This chemical is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Do not use on coarse soils classified as sand which have less than 1% organic matter.

Surface water advisory: F6482 Turf and IVM Herbicide can contaminate surface water through spray drift. Under some conditions, F6482 Turf and IVM Herbicide may also have a high potential for runoff into surface water (primarily via dissolution in runoff water) for several to many months post application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlying extremely shallow groundwater areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas overlying tile drainage systems that drain to surface waters.

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.

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. These requirements 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, such as plants, soil, or water, is: Coveralls over long-sleeved shirt and long pants; chemical-resistant gloves made of any waterproof material; 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.

STORAGE AND DISPOSAL

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

Pesticide Storage

Store product in original container only, away from other pesticides, fertilizer, food, or feed.

Store in a cool, dry place and avoid excess heat.

In case of spill, avoid contact, isolate area, and keep out animals and unprotected persons. Confine spills. Call FMC (800) 331-3148.

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter, or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

Pesticide Disposal

If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional office for guidance.

Container Disposal

Metal or Plastic Containers: Nonrefillable container. Do not reuse or refill this container. Triple-rinse container (or equivalent) promptly after emptying. Triple-rinse as follows: (For containers greater than 5 gallons) Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. (For containers 5 gallons or less) 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 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.

Then offer for recycling, if available, or reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Do not cut or weld metal containers.

Returnable/Refillable Containers: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean this container before final disposal, empty the remaining contents into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

APPLICATION INSTRUCTIONS

Railroad Rights of Way

F6482 Turf and IVM Herbicide can be used to control weeds and maintain bare ground on railroad rights of way, including railroad yards, railroad crossings, and railroad cuttings and abutments.

Highway, Roadside, Pipeline and Utility Rights of Way

F6482 Turf and IVM Herbicide can be used to control many weeds and maintain bare ground in highway, roadside, pipeline, and utility rights of way, including guard rails, road shoulders, electric utility substations, pipeline pumping stations, around electric transmission towers, and around distribution line poles where complete vegetation control is desired.

Industrial Areas and Fence Rows

F6482 Turf and IVM Herbicide controls weeds and maintains bare ground in industrial areas, including production facilities, tank farms, storage areas, parking areas, lumber yards, airports, military installations, and along fence rows.

Method and Rate of Application

For residual control of germinating weeds apply this product as a broadcast treatment at 9.5 to 14.4 fluid ounces (0.290 to 0.450 pounds active ingredient) per acre by ground in a minimum of 10 gallons of spray solution per acre. Applications may be made by helicopter on railroad rights of way only.

DO NOT apply F6482 Turf and IVM Herbicide to soils classified as sand with less than 1% Organic Matter

Use labeled rates of burndown herbicides such as glyphosate, glyphosate trimesium diquat, 2,4-D, dicamba, etc. as tank mixtures with F6482 Turf and IVM Herbicide. Use recommended adjuvants for the herbicide tank mix partner. For all products used in tank mixes, refer to the specific product labels for all restrictions on tank mixing and observe all label precautions, instructions, and rotational cropping restrictions.

Timing

For best results, apply F6482 Turf and IVM Herbicide alone or in combination with other herbicides for residual control of weeds in late summer, fall, or early spring to insure adequate moisture for soil activation.

Weeds Controlled

This product when applied at 10 to 30 ounces per acre will control the following weeds. Use the higher labeled rates to extend length of control. Use the higher rates on sites with fine soil textures and on sites with more than 2% organic matter.

Weeds Controlled	
Beggarweed Florida	<i>Desmodium tortuosum</i>
Carpetweed	<i>Mollugo verticillata</i>
Chickweed common	<i>Stellaria media</i>
Copperleaf Hophornbeam	<i>Acalypha ostryifolia</i>
Crabgrass species	<i>Digitaria spp</i>
Croton, tropic	<i>Croton glandulosus</i>
Daisy American	<i>Coreopsis grandiflora</i>
Dayflower common	<i>Commelina communis</i>
Dayflower Virginia	<i>Commelina virginica</i>
Dock curly	<i>Rumex crispus</i>
Fixweed	<i>Descurainia Sophia</i>
Galinsoga, hairy	<i>Galinsoga ciliata</i>
Groundcherry clammy (seeding)	<i>Physalis heterophylla</i>
Groundcherry cutleaf	<i>Physalis angulata</i>
Jimsonweed	<i>Datura stramonium</i>
Kochia	<i>Kochia scoparia</i>
ALS/Triazine Resistant Kochia	<i>Kochia scoparia</i>
Lambsquarter common	<i>Chenopodium album</i>
Lettuce wild	<i>Lactuca virosa</i>
Mallow common	<i>Malva neglecta</i>
Milkweed honeyvine	<i>Ampelamus albidus</i>
Mexicanweed	<i>Caperonia castanifolia</i>
Morningglory species	<i>Ipomoea spp</i>
Mustard species	<i>Brassica spp</i>
Nightshade species	<i>Solanum spp</i>
Nutsedge species	<i>Cyperus spp</i>
Palmer amaranth	<i>Amaranthus palmeri</i>
Pigweed, smooth	<i>Amaranthus hybridus</i>
Pigweed redroot	<i>Amaranthus retroflexus</i>
Texasweed	<i>Caperonia palustris</i>
Thistle, Russian	<i>Salsola iberica</i>
Waterhemp tall	<i>Amaranthus tuberculatus</i>
Waterhemp common	<i>Amaranthus rudis</i>

Turf Use Instructions

Product Information

F6482 Turf and IVM Herbicide is a selective post emergence herbicide which controls annual grasses and broadleaf weeds in established turf areas including residential and institutional lawns, athletic fields, commercial sod farms, golf course fairways and golf course roughs.

F6482 Turf and IVM Herbicide is formulated as a dry flowable containing 0.45 lbs of active ingredient per pound. The mode of action of F6482 Turf and IVM Herbicide involves uptake by both weed roots and shoots.

Mixing and Application Instructions

Handling Instructions

This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers and natural or impounded lakes and reservoirs. This setback does not apply

to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.

Operations that involve mixing, loading, rinsing or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or wash water and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specific minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

Product must be used in a manner which will prevent back siphoning in wells, spills or improper disposal of excess pesticide spray mixtures or rinsates.

SPRAY TANK PREPARATION

It is important that spray equipment is clean and free of existing pesticide deposits before using this product. Follow the spray tank clean out procedures specified on the label of product previously applied before adding F6482 Turf and IVM Herbicide to the tank.

MIXING WITH WATER

For best results, fill spray tank with one fourth of the volume of clean water needed for the area to be treated. Start the agitation system and add F6482 Turf and IVM Herbicide to the tank. Make sure F6482 Turf and IVM Herbicide is thoroughly mixed before application or before adding another product to the spray tank.

USE OF SURFACTANTS

Temporary discoloration of some turf types may result from use of surfactants or adjuvants with F6482 Turf and IVM Herbicide. High temperatures and high relative humidity may increase the risk of temporary discoloration. Use of surfactants is not recommended.

TANK MIXTURES COMPATIBILITY

F6482 Turf and IVM Herbicide is believed to be compatible with most herbicides, fungicides, insecticides, growth regulators, liquid fertilizers and spray adjuvants commonly used in turf and ornamental plant management. However, when preparing a new tank mix, conduct an appropriate compatibility test by mixing proportional amounts of all spray ingredients in a test vessel (jar) prior to tank mixing with other products. Shake the mixture vigorously and allow it to stand for five to ten minutes. Rapid precipitation of the ingredients and failure to re-suspend when shaken indicates that the mixture is incompatible and should not be applied. Provided the jar test indicates the mixture to be compatible, prepare the tank mixture as follows: Fill the tank one fourth full with water. With the agitator operating, add the recommended amounts of ingredients using the following order: dry granules first and liquid suspensions (flowable) second. As the agitation continues and the tank is filled with water, add EC products third, followed by the addition of water soluble products.

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 labeling applies in all tank mixtures. No label dosage rate should be exceeded. 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 additional information regarding the maximum use rates.

Use F6482 Turf and IVM Herbicide spray mixture immediately after mixing Do not store the mixture

Ground Equipment

Power sprayers Uniform and accurate spray coverage requires proper calibration and operation of spray equipment The use of marker dyes or foams can improve application accuracy Boom sprayers equipped with appropriate flat fan nozzles tips and screens are ideal for broadcast applications Power sprayers fitted with spray wand/gun may also be used for broadcast application after careful calibration by the applicator Power sprayers fitted with spray wand/gun are suitable for spot treatments

Hand operated sprayers Backpack and compression sprayers are appropriate for small turfgrass areas and spot treatments Wands fitted with a flat fan nozzle tip should be held stationary at the proper height during application A side to side or swinging arm motion can result in uneven coverage

Apply this product in a sufficient volume of carrier solution to provide a uniform spray distribution Spray volumes of 20 – 175 gallons per acre (0.5 to 4.0 gal/1 000 ft²) with spray pressures adjusted to 20 – 40 psi are appropriate Apply the higher spray volumes for dense weed populations

Sprayer Equipment Clean Out

After spraying F6482 Turf and IVM Herbicide and before using sprayer equipment for any other applications the sprayer must be thoroughly cleaned using the following procedure

- 1 Drain sprayer tank hoses and spray boom and thoroughly rinse the inside of the sprayer tank with clean water to remove sediment and residues In addition thoroughly flush sprayer hoses boom and nozzles with clean water
- 2 Fill the tank 1/2 full with clean water and add appropriate detergent (follow manufacturer's directions for use) Fill the tank to capacity and operate the sprayer for 15 minutes to flush hoses boom and nozzles
- 3 Repeat step 2 and operate sprayer for 5 minutes
- 4 Drain the sprayer system Rinse the tank with clean water and flush through the hoses boom and nozzles Remove and clean spray tips and screens separately
- 5 Properly dispose of all cleaning solution and rinse in accordance with Federal State and local regulations and guidelines

Do not drain or flush equipment on or near desirable trees or plants Do not contaminate any body of water including irrigation water that may be used on other plants

Weed Control in Turfgrasses

Use Precautions for Turf Use

Turfgrass Safety

This product may be used on seeded sodded or sprigged Bermudagrass Centipedegrass and Zoysiagrass that is well established First application of this product can be made following the second mowing providing that turfgrass has developed into a uniform stand with a good root system Turfgrass injury could result from application of this product on listed turfgrasses that are not well established or have been weakened by stresses such as unfavorable weather conditions disease chemical or mechanical influences

When applied as directed under the conditions described the following established turfgrasses are tolerant to F6482 Turf and IVM Herbicide at the recommended use rates in a range from 0.169 to 0.844 lb a.i./acre (6 to 30 oz/acre or 0.138 to 0.689 oz/1 000 sq ft)

Table 1 Tolerant grasses

Grass Type	Single Application		
	Lb a.i. per Acre	ounces per 1000 ft ²	ounces per acre
Warm Season Grasses			
Bermudagrass (<i>Cynodon dactylon</i>) & hybrids	0.169	0.138	6.30
Centipedegrass (<i>Eremochloa ophiuroides</i>)	0.844	0.689	
Zoysiagrass (<i>Zoysia japonica</i>) ¹			

F6482 Turf and IVM Herbicide application may cause temporary discoloration to exposed leaf surfaces on certain cultivars of centipede and zoysiagrass Treated turfgrass will recover with new growth Discolored leaf tissue will be removed with mowing To reduce potential for discoloration do not apply F6482 Turf and IVM Herbicide on turfgrass that is weakened by weather mechanical chemical disease or other related stress Maintain proper cultural practices such as proper mowing height adequate moisture and fertility levels to promote healthy turf growth

F6482 Turf and IVM Herbicide has demonstrated tolerance turfgrasses listed in Table 1 However not all cultivars or varieties have been evaluated Turfgrass managers desiring to treat newly released cultivars or varieties should first apply F6482 Turf and IVM Herbicide to a small area prior to treatment of larger areas

Sod Production

This product may be applied to established sod Allow sod to establish a good root system a uniform stand and to fill in the exposed edges It is recommended that sod be established for at least three (3) months before an application of F6482 Turf and IVM Herbicide Do not apply this product within three (3) months of harvest

Other Use Precautions

Do not apply by air
Do not apply to golf course putting greens or tees or turf areas of closely mowed turf

Do not use on turfgrasses other than those listed on this label

Do not apply under conditions which allow spray to drift on to desirable plant adjacent to treated areas

Do not apply with surfactants unless previous experience has demonstrated combinations with surfactant to be physically compatible and non injurious to the grass type in question

Do not graze or feed livestock forage cut from areas treated with F6482 Turf and IVM Herbicide

Do not apply directly or within rooting zone of trees landscape ornamentals or ornamental beds

Temporary turfgrass discoloration has been observed when Primo MAXX® has been either tank mixed or applied within 7 days of a F6482 Turf and IVM Herbicide application It is recommended that Primo MAXX applications be made 7 days prior to or after F6482 Turf and IVM Herbicide application to reduce risk of turfgrass discoloration

POSTEMERGENCE CONTROL OF ANNUAL BIENNIAL & PERENNIAL BROADLEAF WEEDS

F6482 Turf and IVM Herbicide will control or suppress the weeds listed in Table 2 when applied to newly emerged weeds Apply F6482 Turf and IVM Herbicide at rates from 6 to 30 oz/acre (0.169 to 0.844 oz/1 000 sq ft) Do not exceed the application rate specified for the turfgrass species in Table 1 To broaden the weed spectrum and increase effectiveness for certain weeds listed in Table 2 F6482 Turf and IVM Herbicide may be tank mixed with other EPA registered postemergence herbicides Control of emerged annual grass weeds may be improved by combining F6482 Turf and IVM Herbicide with MSMA or Drive® Read the label recommendations of the tank mix partner to determine turfgrass species safety use rate and application procedures Follow all label restrictions use directions and precautionary statements before using these tank mixtures Read and follow the TANK MIXTURES COMPATIBILITY section of this label for instructions on how to determine the compatibility of tank mixtures

When used as directed F6482 Turf and IVM Herbicide will control or suppress the following weeds

Table 2 Weeds Controlled or Suppressed by F6482 Turf and IVM Herbicide

BROADLEAVES	SCIENTIFIC NAMES
Bedstraw catchweed	(<i>Galium aparine</i>)
Beggarweed Florida	(<i>Desmodium tortuosum</i>)
Bittercress	(<i>Cardamine spp</i>)
Black medic	(<i>Medicago lupulina</i>)
Buttercups	(<i>Ranunculus spp</i>)
Carolina geranium	(<i>Geranium carolinianum</i>)
Carpetweed	(<i>Mollugo verticillata</i>)
Chickweed common	(<i>Stellaria media</i>)
Chickweed mouse ear	(<i>Cerastium vulgatum</i>)
Cinquefoil	(<i>Potentilla spp</i>)
Clover	(<i>Trifolium spp</i>)
Copperleaf	(<i>Ascalypha spp</i>)

Cudweed	(<i>Gnaphalium spp</i>)
Dandelion	(<i>Taraxacum officinale</i>)
Dock Curly	(<i>Rumex crispus</i>)
Dollarweed	(<i>Hydrocotyl umbellata</i>)
Eclipta	(<i>Eclipta prostrata</i>)
Evening primrose	(<i>Oenothera biennis</i>)
Fiddleneck	(<i>Amsinckia spp</i>)
Filaree	(<i>Erodium spp</i>)
Galinsoga	(<i>Galinsoga ciliata</i>)
Goldenrod	(<i>Solidago spp</i>)
Ground ivy	(<i>Glech ma hederacea</i>)
Groundsel common	(<i>Senecio vulgaris</i>)
Henbit	(<i>Lamium amplexicaule</i>)
Knawel	(<i>Scleranthus annuus</i>)
Knotweed prostrate	(<i>Polygonum aviculare</i>)
Kochia	(<i>Kochia scoparia</i>)
Lambsquarters common	(<i>Chenopodium album</i>)
Lawn burweed (spurweed)	(<i>Soliva pterosperma</i>)
Lespedeza common	(<i>Lespedeza striata</i>)
Mallow common	(<i>Malva neglecta</i>)
Parsley piert	(<i>Alchemilla arvensis</i>)
Pigweed Redroot	(<i>Amaranthus retroflexus</i>)
Pigweed Smooth	(<i>Amaranthus hybridus</i>)
Pigweed Tumble	(<i>Amaranthus albus</i>)
Pineapple weed	(<i>Matricaria matricarioides</i>)
Plantain buckhorn	(<i>Plantago lanceolata</i>)
Puncture weed	(<i>Tribulus terrestris</i>)
Purslane common	(<i>Portulaca oleracea</i>)
Pusley Florida	(<i>Richardia scabra</i>)
Redweed	(<i>Melochia corchorifolia</i>)
Rocket London	(<i>Sisymbrium irio</i>)
Shepherd s purse	(<i>Capsella bursa pastoris</i>)
Smartweed Pennsylvania	(<i>Polygonum pennsylvanicum</i>)
Sorrel Red	(<i>Rumex acetosella</i>)
Speedwell	(<i>Veronica spp</i>)
Spurge (annuals)	(<i>Euphorbia spp</i>)
Spurge prostrate	(<i>Euphorbia humistrata</i>)
Spurge spotted	(<i>Euphorbia maculata</i>)
Star of Bethlehem	(<i>Ornithogalum umbellatum</i>)
Velvetleaf	(<i>Abutilon theophrasti</i>)
Violet wild	(<i>Viola pratincola</i>)
Violet Johnny jump up	(<i>Viola rafeinesquii</i>)
Wild garlic	(<i>Allium vineale</i>)
Wild onion	(<i>Allium canadense</i>)
Woodsorrel creeping	(<i>Oxalis corniculata</i>)
Woodsorrel yellow	(<i>Oxalis stricta</i>)

POSTEMERGENCE CONTROL OF ANNUAL AND PERENNIAL SEDGES

F6482 Turf and IVM Herbicide will control or suppress sedges (Table 3) when applied at a rate of 6 to 30 oz/acre (0 138 to 0 689 oz /1 000 sq ft) Apply the highest rate consistent with the rate needed for turfgrass safety in Table 1 Rates lower than 16 oz/acre (0 367 oz/1 000 sq ft) will generally control sedges for up to 60 days A rate of 16 oz/acre (0 367 oz/1 000 sq ft) will provide approximately 70 / control for up to 60 days Yellow nutsedge (*Cyperus esculentus*) is the most susceptible sedge species

Good spray coverage is needed for optimum control of sedges Temporary discoloration of some turfgrass species may result from use of surfactant Use of surfactants is not recommended

Table 3 Sedge species controlled or suppressed by F6482 Turf and IVM Herbicide

Common Name	SCIENTIFIC NAME
Kyllinga green	(<i>Kyllinga brevifolia</i>)
Kyllinga false green	(<i>Kyllinga gracillima</i>)
Nutsedge purple	(<i>Cyperus rotundus</i>)
Nutsedge yellow	(<i>Cyperus esculentus</i>)
Sedge globe	(<i>Cyperus globulosus</i>)
Sedge cylindric	(<i>Cyperus retrorsus</i>)
Sedge Surinam	(<i>Cyperus surinamensis</i>)
Sedge Texas	(<i>Cyperus polystachyos</i>)

1 PURPLE NUTSEdge For optimum control of purple nutsedge split applications are recommended (Table 4) Apply 8 11 ounces per acre as an initial application followed by a second application when evidence of

actively growing purple nutsedge is visible Do not exceed the maximum rate per acre based on turfgrass variety listed in Table 1 Tolerant grasses

Table 4

Split Application Rate Options		
Grass Type	Option 1 (ounces/acre)	Option 2 (ounces/acre)
Warm Season Grasses (see Table 1)	8 oz followed by 8 oz 35 DAIT	11 oz followed by 8 11 oz 35 DAIT

DAIT = Days After Initial Treatment
Option might be needed for heavy purple nutsedge pressure

POSTEMERGENCE CONTROL OF GRASSY WEEDS

F6482 Turf and IVM Herbicide will control or suppress specific annual grasses (Table 5) when applied at a rate of 6 to 30 oz/acre (0 138 to 0 689 oz /1 000 sq ft) Apply the highest rate consistent with the rate needed for turfgrass tolerance in Table 1 Rates lower than 16 oz/acre (0 367 oz/1 000 sq ft) will generally control grasses for up to 60 days F6482 Turf and IVM Herbicide works best if applied when the annual grasses are small (pre tiller stage) and actively growing

Good spray coverage is needed for optimum control of grasses Temporary discoloration of some turfgrass species may result from use of surfactant Use of surfactants is not recommended

Table 5

Common Name	Scientific Name
Annual Bluegrass	<i>Poa Annua</i>
Crabgrass	<i>Digitaria sp</i>
Dallisgrass	<i>Paspalum dilatatum</i>
Goosegrass	<i>Eleusine indica</i>
Rescuegrass	<i>Bromus catharticus Vahl</i>
Sandbur	<i>Cenchrus sp</i>

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