

EMPERO is a herbicide for selective post-emergent control of listed weeds incluboth broadleaf weeds and nutsedge in turfgrasses and other non-crop sites. Read the entire label before using this product. Use only according to label instructions

ACTIVE INGREDIENT:	% BY WT.
Halosulfuron-methyl	75%
OTHER INGREDIENTS:	25%
TOTAL:	100%

KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alquier 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 leaflet for First Aid, and

Empero™ is not manufactured or distributed by Gowan Company, LLC, seller of SedoeHammer®

NET WEIGHT: 1.33 WT. OZ Product of China

Atticus

Manufactured for

VIA NOTIFICATION FIRST AID LABEL NOT REVIEWED Hold eye open and rinse slowly and gently with water for 15-20 min Remove contact lenses, if present, after the first 5 minutes, then con Call poison control center or physician for treatment advice. Call poison control center or physician immediately for treatment advice. Call poison control center or physician immediately for treatment advi-temove visible particles from mouth. Have person rinde mouth bioreogliby with vater, spit out rince water. IF IN EVES OCT 01 2018 IF SWALLOWED New York State Department Have person sip a plass of water if able to swallo ing unless told to do so by the poison control center or doctor. of Environmental Conservation Do not give anything by mouth to an unconscious person. HOT LINE NUMBER Division of Materials Management HULLINE RUMBERS

HERVE the product container or label with you when calling a poison control center or decise, or going for treatment. For emergency medical assistance, call SoftwyCall: 1-844-685-9737.

For Chemical Emergency, Spill, Leak, Fire, Expansers, or Accident, Call CHEMITEC Day or Highly Within USA and Canada: 1-100-124-500 or +1 703-527-3807 (collect calls accepted)

STATEMENT OF THE CHEMITEC CONTROL OF THE CONTROL OF THE CHEMITEC Day or Highly Within USA and Canada: 1-100-124-500 or +1 703-527-3807 (collect calls accepted)

ACCEPTED

Doc ID: 559064

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

ENGINEERING CONTROL STATEMENTS

When handlers use closed systems, or enclosed cabs, or aircraft in a manner that meets the requirements fisted in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170240 (d) (4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS:

ove PPE immediately after handling this product.

Wash the outside of the gloves before removing.

As soon as possible, wash throughly and change into clean clothing.

As soon as possible, wash throughly and change into clean clothing.

Wash hands before earling, drinking, cheening gum, using tobacco or using the tallet.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. ENVIRONMENTAL HAZARDS

This product is toxic to non-target vascular plants. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contain

insprounces takes on inter-target seasoner peace, so not apply servery to water, in drase winer surrows water is present or or interioral areas peech with interioral peace water when becaming origination of equipment variablements or instale.

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

Hadisoliforn-methy is known to leach through as limit or ground water under certain conditions as a result of label use. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is challow.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix with or allow to come into contact with oxidizing agents. A hazardous chemical reaction may occur

DIRECTIONS FOR USE

ion of Federal law to use this product in any manner inconsistent with its labeling. This product can only be used in ac ns for Use on this label or in separately published Atticus, LLC Su 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 appear protection of the persons are the protection of the persons are the protection of the protection of the persons are the protection of the persons are the persons are

But this product only in accordance with its labeling and with the Worker Protection Standard, 40 GFR part 170. This Standard contains requirements for the protection of agricultural users and users

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 Shoes plus socks

. Chemical-resistant gloves, such as nitrile rubber, neoprene rubber or polyethylene.

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 agri Keep people and pets off treated areas until spray solution has dried.

The Product Information

EMPERO is a sufferinger a herbicide that works by inhibition of acotolectate synthase (ALS). Many factors such as application cets, weed species, weed pressure, conditions of weeds including size and climatic factors impact the degree of weed control. Applications made to actively growing weeds at the early stages of development as described below will optimize performance. In port-emergent weed applications, early treatment is best to control the weeds vying (competing) with the crop.

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EMPERIO S quick to act on targeted weeds by stunting growth allowing the crop to overtake the development of the targeted weeds in a to act on targeted weeds by stunting growth allowing the crop to overtake the development of the targeted weeds. So, species and growing point begin to discolor and die. Complete control typically occurs within 7 to 14 days depending on the weed size, species and growing point begin to discolor and die. Complete control typically occurs within 7 to 14 days.

Resistant Management Guidance
EMPERO is a Group 2 herbicide. May weed population may contain or develop plants naturally resistant to EMPERO and other Group 2 herbicides. Wied species with acquired resistance to Group 2 may eventually dominate the weed population IT Group 2 herbicides are used repeatedly in the same field or in successive years as primary method of control for target species. This may result in partial or statal lass of control of those species by EMPERO or other Group 2 herbicides.

- To delay resistance consider ding the consecutive use of EMPERD or other target site action Group 2 herbicides that have a similar target site of action, on the same weed species.

 In tank-mixtures or premixes with herbicides from different target site action Groups as long as the involved products are all registered for the same use, have different sites of action, and are both effective at the tank mix or prepack rate on the weed(s) of concern.
- Using tank-mixtures or premixes with herbi
- Basing herbicide use on a comprehensive IPM program.

 Monitoring treated weed populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisor, and/or manufacture and/ or integrated weed management specialist for specific crops and resistant weed biotypes

EMPERO is a water dispersible granule designed to be diluted with water at the rates listed in the specific corp use directions. Fill the spray tank with approximately ½ of the desired volume with water or cereier. With the apitation operating, add the specified amount of the formulation as listed in the targeted corp use directions. Complete the filling process while maintaining agitation. Remove the base from the mixing tank immediately after filling to avoid siphoning back into the carrier source. Add nonionic surfactant and other spray additives as the last impredients in the tank. Allow time to fully disperse. Since this product forms a suspension in water, it is important to maintain good agitation during mixing and spraying. If the spray suspension is allowed to settle for a short period of time, be sure to agitate the spray suspension for a minimum 10 minutes. Apply spray solutions within 24 hours after mixing. Mix O.O3 ounces (O.S gram) of this product (using the measuring scoop provided) in 1 - 2 gallons of water to treat 1,000 sq. ft. Add 2 teaspoons (1/s fluid ounce) of nonionic surfactant per gallon of water. Measured this product as a level and not a rounded scoop. Mix or shake thoroughly for at least two minutes to completely disperse this product. To ensure that this product remains thoroughly mixed while spraying, occasionally shake the spray suspension.

Spray Additives
Spray Additive

For specific details, consult the use site directions

Use Rate Equivalency
Since EMPERID contains 75% active ingredient per lb. of product, the following table expresses the use rate equivalency of oz. of this product in term of lb. active ingredient on an acre basis.

ez. of Product	lb. Active Ingredient
1/2	0.0235
3/3	0.031
1	0.047
1 1/3	0.062
2	0.094
2 %	0.125
5 1/3	0.250

Application Methods
Apply this product by ground to produce uniform coverage on growing weeds or soil to achieve consistent weed control.

ent according to manufacturer's specifications. Use nozzle type arranger ents that provide optimum spray distribution and maximum coverage while avoid contact to se Thoroughly clean application equipment immediately after use and prior to spraying a crop other than corn or grain sorghum. See Spray Equipment Cleanout section of this label for complete details.

Commut Applications:

When EMPERD is applied by ground equipment, use in a minimum of 10 gallons of water per acre for a broadcast application. In dense weed populations and thick canopy cover, higher spray volumes are necessary, e.g., 15 - 20 gallons of water per acre. Use the proper spray volume and nezzles that will ensure thorough and uniform coverage of the targeted weeds. Use directed applications to avoid contacting sensitive crop foliage. Select nezzles that will provide optimum spray volume, distribution and coverage at a pressure (pas) that minimizes spray drift. Inspect nezzle distribution during application to

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Use pesticide products adjacent to sensitive areas only when there is minimal potential for drift or off-target movement, e.g. wind is blowing away from non-target crops, residential areas, known habits for threatened or endangered species, etc.

In California (en/s), particularly sensitive crops are identified as cutton and prunes. In applications near these sensitive crops utilize the following buffer zones:

Ground application shall not be made closer than 1 mile from sensitive crops unless wind direction during the application is away from sensitive crops. When wind direction during the ground application is away from sensitive crops.

Spray Equipment Cleanout
The mix tank and spray equipment
other than grain sorghum and corn. ent cleanout is an important stewardship activity to avoid injury to desirable crops. It is important to clean all mixing and soraving equipment immediately after use and before using pesticide products including EMPERO. This is especially important prior to soraving a crop

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Tank Mixtures To improve this product's effectiveness, apply in combination with other pesticide products that are registered for the same crop and application techniques

A list of potential herbicide tank mixture partners is provided in the use direction section under each crop. This list is an example of products used but is not an all inclusive list. For current information on the best tank mixture partner in your area, consult with the local dealer, distributor or State Agricultural

Leanman as well. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

If EMPERIO is to be tank mixed with other herbicides, conduct a compatibility test prior to mixing. Use a small container and mix all components in a small amount, usually 0.5 to 1q, of spray, Combine all products in the same ratio and order of addition as in the proposed spany mixture. Observe the mixture for indication of incompatibility which usual occurs in 10 to 30 minutes after mixing. Incompatibility is observed, by changing the order of addition of the components. The quideline on task mixture partners is driven by formulation types. Start with worthale providers (WPS) including water soluble bags (WPS), incompatibility and in the proposed spany mixture. Observed the mixture of the providers of the provised incompatibility of the providers of the provised incompatibility of the providers of physical incompatibility develop, do not use this mixture for sporping.

After vigorous adjustance, the providers of the providers of physical incompatibility develop, do not use this mixture for sporping.

- Application Restrictions

 Do not use pair issued clier blest?) sprayers to apply this product.

 Do not apply his product through any type of irrigation system.

 Do not apply more than 5 % as of this product (0.25 his active ingredient) per acre per use season on turf.

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 Do not all power by product both directions for this product both directions for this product and introduce in the trapped area.

 Do not apply product both directions for this product and introduce in the trapped area.

 Do not apply task mixtures if the turf is under severe stress due to drought, water-saturated soils, pour fortility (especially low nitrogen levels), hall, treat, insects or when the maximum daytime temperature is above 92° F.

 Do not use if this trapped vector of the under severe stress due to drought, water-saturated soils, low fertility (especially low nitrogen levels), and, treat, insects or when the maximum daytime temperature is above 92° F.

- Did not use if the target veeds or turn are under stress do the drought, water saturated axis, low tertifity (specially low introgen levels) or other poor growing conditions.
 Applications Presentations
 Increases in burf injury may result if the seeding depth is too shallow and excessive amounts of water (greater than 1 inch) from rainfall or sprinkfer irrigation occurs.
 Abunded spraying what conditions there install or using overhead spraying what if it is application.
 Loss in effectiveness or crop injury may result if weeds are under drought, stress, disease or insect domage.
 Didar cost and wet growing conditions that deby early seeding emergence, vigor or growth, this product may cause injury or crop failure. These conditions are likely to occur during the first planting of the season.
 The mutuality of the turn imple deletaged by use or this product.

- The maturity of the turf may be delayed by use of this product.
 When nozeles and preserves that minimize the production of the particles that drift outside of the targeted area.
 Applications of this product may cause temporary volunting or sturting of the turf.
 Applications of this product may cause temporary volunting or sturting of the turf.
 In Colfornia and Actions due to environmental conditions that felsely deposition of this product, extend the crop rotation intervals on drip irrigated crops.
 When this product is applied over-the-top of a blooming but f, bloom loss may occur under certain environmental conditions.
 Product and product is applied over-the-top of a blooming but f, bloom loss may occur.
 Apoid disturbing (e.g. cultivation) treated areas for at least 7 days following applications.

For Best Performance

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When using spray additives, carefully follow the listed use instructions.

- when some garper accuracy, carefully worker on some one structures.

 In part-emergence applications:

 O Better control is obtained when applied early to actively growing, small (1-3 inches in height) brandleaf weeds. Large broadleaf weeds may not be adequately controlled.

 O Mitters a past-emergence application, delay overhead opinider irrigation for 2 to 3 days.

 O Mitter a past-emergence application, delay overhead opinider irrigation for 2 to 3 days.

 O If weeds are under drought, structs, descare, or lessed changes, for not use.

 **Under heavy weed infestation, use early before the weeds become to competitive with the crop.

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 **Annual weeds may have multiple fatheat or decelling, or treated permission as years from interruptional structures.

* Annual weets may have intuitible institute on securings, or readed percriminas may sometimes re-grow norm univergeound stems or roots, depending upon rainfail and other environmental conditions. To maximize control on such weets, apply a sequential approach in this product.					
CROP	Rate Oz./Acre	PHI	RESTRICTIONS		
TURFGRASSES (established lawns, ornamental turfgrass, landscaped areas, commercial and residential turfgrass),	% - 1 %		Do not make more than 4 applications per use season. Do not apply more than 5 ½ oz. of this product (0.25 lb. active ingredient) per acre per use season. Do not apply this product through any type of irripation system.		
AND OTHER NON-CROP SITES			Do not apply this product by air.		
(including airports, cemeteries, fallow non-crop areas, golf courses, landscaped areas, public recreation areas, residential property, roadsides, school grounds, sod or turf seed farms,			Do not use in sod or turf seed farms in OR and WA. In California:		
sports fields, landscaped areas with established woody ornamentals, fairgrounds, race			Do not make more than 2 applications per use season. Do not apply more than 2 3/5 oz. of this product (0.25 lb. active ingredient) per acre per use season.		
tracks, tennis courts, campgrounds and rights-of- way)			Do not mow turfgrass for 2 days before or 2 days after application for best results. Do not apply this product to golf course putting greens. Do not exceed the specified amount of spray additive due to the potential for turf injury at higher labeled rates.		

Broadcast retailment:

Over the treatment area with sufficient water to provide uniform coverage and distribution of the spray mixture to the weeds. Use 0.25 - 0.55% nonionic Spot Applications:

Add 2 tespopose (5 fl. ez.) of nonionic surfactant per gallon of water. Use only nonionic surfactants which contain at least 80% active material.

Refer to the spray additive label and observe all precautions, restrictions, mixing and application instructions. cient water to provide uniform coverage and distribution of the spray mixture to the weeds. Use 0.25 - 0.5% nonionic surfactant (1 - 2 qts. per 100 gallons of spray suspension) for broadcast applications. For high volume applications, do not exceed 1 qt. of spray additive per ac

Post-emergent Weed Activity Table - EMPERO - by Weed Species							
Common Name	Scientific Name	Centrel	Suppression	Comments			
	Kytlinga spp.		YES				
Nutsedge, Yellow	Cyperus esculentus	YES		Heavy infestation requires sequential applications.			
Nutsedge, Purple	Cyperus rotundus	YES		Heavy infestation requires sequential applications.			

Min 0.03 counces (DS gram) of this product (using the measuring scoop provided) in 1-2 gallons of water to treat 1,000 sq. ft. Add 2 teaspoons (1/3 fluid ounce) of nonionic surfactant per gallon of water. Measure this product as a level and not a rounded scoop. Mix or shake thoroughly for at least two minutes to completely disperse this product. To ensure that this product remains thoroughly mixed while spraying, occasionally shake the spray suspension.

Terripersor of compressive purposes that product, to ensure that this product remains thoroughly mixed while spraying, occasionally shake the spray suspension.

Terripersor. Due this product on well-established seeded, sodded or springed turfprass for the post-emergent control of notosdep, e.g. yellow and purple. The turf needs to develop a good root system and uniform stand before application. If needed, overseed treated areas with annual or person or bermindigues? Events start application.

Broadcast Teatments - After nutsedge has reached the 3 - 8 leaf stage of growth, apply 2/5 - 1 1/5 oz., of this product per acre. For light infestations use the lower rate and heavy infestations use the higher rate.

Aspectation Treatments - To maximize the control of nucleodge, a second post-emergent spot or broadcast syray is applied 5 · 10 weeks after the initial treatment to the areas where nucleodge has re-grown or emerged. After nucleodge has reached the 3 · 8 leaf stage of growth, apply ?5 · 1 ½ oz., of this product per acre. For light infestations use the lower rate and heavy infestations use the higher rate. Use a spot treatment application for localized control of newly emerged nucleogie. For spot treatments, mix 0.03 oz. (0.9 gram) of this product in 1 · 2 gallons of water to treat 1,000 sq. ft.

Woody Ornamentals in Landscaped Areas
Use this product as a nost-directed snow at the secilied use rates around established woody ornamental plants in landscaped areas. If applications are to be made to transplanted woody ornamentals, allow 3 months after transplantion before applying this product.

Fallow Treatments
This product may be used on fallow areas prior to establishing turfgrass plants. Wait 4 weeks between application and seeding or sodding of turfgrass.

Precardioses: This product is effective if no ranifall occurs within 5 hours, but best results are obtained with no ranifall or tringation for at least 4 hours.

When transplanted into landscaped areas treated with this product, flowers, ornamentals plants and shrubs may be injured. Avoid contact of the spray containing this product to desirable flowers, ornamentals, shrubs or trees as discolorar Avoid application of this product when turforass or nutsedge is under stress since turf injury and poor nutsedge control may occur.

Turtgrass Renovation
For turtgrass renovations, apply at 35 oz. per acre in combination with glyphosate herbicide formulations labeled for turtgrass renovation. This is for a non-selective pre-plant burndown of emerged annual grasses, broadleaf weeds and nutsedge

Wait 4 weeks between application and seeding or sodding of turfgrass

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

CROP	Rate Oz./Acre	PHI	RESTRICTIONS
ROADSIDES, RIGHTS-OF-WAY, TANK FARMS, LUMBERYARDS, FUEL STORAGE AREAS, FALLOW NON-CROP LAND, AND FENCE ROWS	2 3/3		Do not make more than 2 applications per 12-month period. Do not apply more than 5 ½ oz. of this product (0.25 lb. active ingredient) per acre per 12-month period.
			Do not apply this product through any type of irrigation system. Do not apply this product by air.

For spray applications, cover the treatment area with sufficient water to provide uniform coverage and distribution of the spray mixture to the weeds. Use 0.25 - 0.5% nonionic surfactant (1 - 2 quarts per 100 gailons of spray solution) for broadcast applications.

Post-emergent weed activity fable - EMPERO - by Weed Species					
Common Name	Scientific Name	Control	Suppression	Comments	
Cocklebur, common	Xanthium strumarium		YES		
Horsetail	Equisetum arvense	YES	YES	Control if weeds are less than 6 inches tall. Suppression if weeds are greater than 6 inches tall.	
Pigweed, redroot	Amarunthus retroffiexus		YES		
Pigweed, smooth	Amaranthus hybridus		YES		
Ragweed, common	Ambrosia artemisiifolia		YES		
Ragweed, giant	Ambrosia trilida		YES		
Sunflower	Helianthus annuus		YES		
Velvetleaf	Abutilan theophrasti		YES		

For post-emergence control of horsetail (Equidetin arwaso), apply 2 ½ oz. of this product per acre or 10.65 oz.(1.8 grams) of this product per 1,000 square feet (0.125 lb. active ingredient per acre) after horsetail has leafed out. Within 14 days after application, signs of herbicide effect will appear as recordering at the base of the plant, even though the leaves and stems remain green and a deep leathery green in color.

For a non-selective bundown of emerged annual grasses, broadleaf weeds and nutsedge, use this product in combination with glyphosate herbicide formulations labeled for these same uses.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a dry and secure location.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray minture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environ Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER MANULINES. Invertifiable container. Do not reuse or retill this container. Tigle rinse or pressure rinse container (or equivalent) promptly after emptying. Trigle rinse as follows: Empty the remaining contents into application equipment or a mix tank. This the container Vs. full with water and recap, Stake for 10 seconds. Prover rinses into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. One triple rinse, repressure rinse as follows: Empty the remaining contents into application equipment or a mix tank. Drain for 10 seconds after the relative to drain and the relative train and the

Conditions of Sale and Limitation of Warranty and Liability

The Directions for Use of this product must be followed carefully. It is impossible to eliminate air risks inherently association with the use of this product. Crop piley, infections or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of their materials, resistant strains or other influencing factors in the use of the product, which are beyond the control of Maton, LLC or Soline. All such is discussed by Boyer and User, and Boyer and User, and Boyer and User assume the risk of any such user. To THE EXTENS AND ADMINISTRATION ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRA

Atticus, LLC and Seller offer this product, and Buyer and User accept it, subject to foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of Atticus, LLC

SedgeHammer[®] is a registered trademark of Gowan Company, LLC. **Empero™** is a trademark of Atticus, LLC.