
MONUMENT LIQUID Turf Herbicide

A selective herbicide for the control of Sedges, Grasses and Broadleaf Weeds as per Direction for Use.

Oil Dispersion (OD)

Active ingredient:

Trifloxysulfuron Sodium	10.8% w/w
Other ingredients:	89.2% w/w
Total:	100%

CAUTION

KEEP LOCKED UP AND OUT OF REACH OF CHILDREN
KEEP AWAY from food, drink and animal feeding stuff.

IMPORTANT: Read the label before opening or using

NET CONTENT: 100ml, 1L

Imported By:

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Product names marked ® or ™, the ALLIANCE FRAME
the SYNGENTA Logo and the PURPOSE ICON
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SAFETY PRECAUTIONS

Will irritate eyes and skin. Avoid contact with eyes and skin. DO NOT inhale vapour or spray mist. When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist, elbow-length chemical-resistant gloves, face shield or goggles. If product on skin, immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face shield/goggles and contaminated clothing.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

This product is very highly toxic to non-target plants including aquatic plants. DO NOT apply under weather conditions or from spraying equipment that may cause spray to drift onto nearby susceptible plants/crops, cropping lands, pastures and other non-target plants or natural and impounded lakes, dams or other waterways. Avoid applications to areas where product may accumulate under the drip line of trees or where product may come into contact with roots of desirable plants. See Instructions to Avoid Spray Drift section above.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very highly toxic to aquatic organisms. DO NOT contaminate streams, rivers or waterways with the chemical or used containers. DO NOT apply if rainfall or irrigation is expected to occur within 48 hours.

DIRECTIONS FOR USE

Situation	Weeds	Rate	Critical Comments
Established turf as named: Common Couch <i>(Cynodon dactylon)</i> , Durban Grass <i>(Dactyloctenium australe)</i> , Hybrid Couch <i>(Cynodon dactylon x Cynodon transvaalensis)</i> , Qld Blue Couch <i>(Digitaria didactyla)</i> , Zoysia <i>(Zoysia japonica)</i>	Burr Medic <i>(Medicago polymorpha)</i>	115 mL/ha	Ensure product placement as uniformly onto leaves and into crowns as possible. Ideal application volume should be 400 to 800 L/ha. Use higher volumes to ensure sufficient coverage in higher cut turf (>15 mm) in semi-roughs, roughs, parks, etc. The addition of a quality non-ionic surfactant at a rate of 0.25 to 0.5% v/v is recommended. A repeat application may be needed in 4 to 6 weeks. Allow at least 6 weeks between last application and overseeding with cool season grasses for winter cover. Transient discolouration may occur when applied to Qld Blue Couch and Zoysia. For Kikuyu suppression, make 2 applications 21 to 28 days apart. Best results are gained from autumn applications.
	Mullumbimby Couch <i>(Cyperus brevifolius)</i> , Nutgrass <i>(Cyperus rotundus)</i>	150 mL/ha	
	Bindii <i>(Soliva sessilis)</i> , Winter Grass <i>(Poa annua)</i> ,	225 mL/ha	
	Catsear <i>(Hypochoeris radicata)</i> , Chickweed <i>(Stellaria media)</i> , Clover <i>(Trifolium repens)</i> Cotula <i>(Cotula australis)</i> , Creeping Oxalis <i>(Oxalis corniculata)</i> , Curled Dock <i>(Rumex crispus)</i> , Milk Thistle <i>(onchus oleraceus)</i>	300 mL/ha	
	Kikuyu <i>(Pennisetum clandestinum)</i> SUPPRESSION ONLY		

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL.

WITHHOLDING PERIOD: DO NOT GRAZE TREATED TURF/LAWN OR FEED TURF/LAWN CLIPPINGS FROM ANY TREATED AREA TO POULTRY OR LIVESTOCK

RE-ENTRY PERIOD: DO NOT allow entry into treated areas until the spray has dried

COMPATIBILITY

As formulations of other manufacturer's products are beyond the control of Syngenta, and water quality varies with location, all mixtures should be tested prior to mixing commercial quantities.

FIRST AID INSTRUCTIONS

If poisoning occurs, contact a doctor or call the Emergency Hotline number +65 6334 4366

If in eyes: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Remove contact lenses. Immediate medical attention is required

If on skin: Take off all contaminated clothing immediately. Wash off immediately with plenty of water.

If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

If inhaled: Move the victim to fresh air.

If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or poison control centre immediately.

If swallowed: Seek medical advice immediately and show this container or label. DO NOT induce vomiting.

STORAGE AND DISPOSAL

KEEP LOCKED UP OUT OF REACH OF CHILDREN AND OTHER UNAUTHORISED PERSONS, AND ANIMALS.

Store in the close, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If not recycling, triple rinse, break, crush or puncture and deliver empty packaging for appropriate disposal at an approved waste management facility. DO NOT burn empty containers or product.

GENERAL INSTRUCTIONS

MONUMENT LIQUID Turf Herbicide is a selective herbicide for application after emergence of weeds, for control of certain weeds in established turf. MONUMENT LIQUID Turf Herbicide is an oil dispersion formulation that mixes readily with water and is applied as a spray.

The degree of control resulting from application of MONUMENT LIQUID Turf Herbicide is primarily dependent upon weed species, weed size at application, environmental conditions, amount of MONUMENT LIQUID Turf Herbicide applied and growing conditions. Weed control is greatly improved when weeds have emerged, ample soil moisture exists and weeds are actively growing, rather than when soil is dry and weeds are under stress from lack of moisture. Growth of susceptible weeds is inhibited soon after application of MONUMENT LIQUID Turf Herbicide. The leaves of susceptible plants normally turn yellow, red or purple after several days, followed by necrosis and death of the growing point. Complete plant death generally occurs 2 to 4 weeks after application, depending on the weed species, growing conditions, etc.

Apply to actively growing weeds during early stages of development for best results; For optimum performance avoid mowing for 1 to 2 days prior to and following application.

Mixing

MONUMENT LIQUID Turf Herbicide mixes readily with water, no pre-mixing is required.

If pH of water is less than 5.5, use a buffer solution to raise pH to near 7.0.

DO NOT mix MONUMENT LIQUID Turf Herbicide with acid forming compounds in the spray tank.

This product must be mixed with water and applied by suitable spray equipment.

1. Clean the spray tank before using. If it is contaminated with other materials, mixing problems and/or clogging may occur, or injury to the turf may result.
2. Fill tank no more than 25% full with clean water before adding MONUMENT LIQUID Turf Herbicide. Begin agitating tank contents vigorously and continue agitation during entire mixing and spraying operation.
3. Pour required amount of MONUMENT LIQUID Turf Herbicide steadily into tank. Allow vigorous bypass agitation to completely disperse product.
4. After adding required quantity of MONUMENT LIQUID Turf Herbicide and obtaining complete dispersion, continue to fill tank to desired level for spraying.
5. Add required quantity of non-ionic surfactant if using and continue agitation.
6. Thorough agitation (preferably mechanical) of the spray liquid is essential during the addition of the product and during the entire spraying operation. Recirculate if left to stand.

DO NOT allow spray mixture to stand overnight or for prolonged periods.

Application

To ensure accuracy, calibrate sprayer at the beginning of the season before use and recalibrate frequently.

Spray nozzles should be uniformly spaced and of the same size, and should provide accurate and uniform application. Use Syngenta's Turf XC Nozzles, or nozzles that provide a uniform droplet size and produce medium to coarse droplets (250 to 400 microns VMD).

Observe sprayer nozzles frequently during the spraying operation to ensure that the spray pattern is uniform. Avoid overlapping of spray runs. Ensure that boom height for broadcast application does not exceed 50 cm above the leaf blades of the turf. Avoid application under conditions when uniform coverage cannot be obtained or when spray drift may occur.

Apply at a volume of 400 to 800 L water/ha. Higher volumes should be used for severe weed infestations and higher cut turf (>15 mm) to ensure adequate spray coverage. Good weed coverage with the spray mixture is essential for optimum weed control.

Rainfastness

MONUMENT LIQUID Turf Herbicide is rainfast within 3 hours of application.

Restrictions

DO NOT apply through irrigation systems.

DO NOT apply with spray droplet smaller than medium to coarse spray droplet size category.

DO NOT apply where wind speed is greater than 10 km/hour at application site

DO NOT apply during surface temperature inversion conditions at the application site.

DO NOT apply with a nozzle height greater than 50 cm above the ground.

DO NOT apply when the turf or weeds are actively growing.

DO NOT apply to turf under stress.

DO NOT apply to Bentgrass, Buffalo, Centipede Grass, Fescue, Kikuyu, *Paspalum* spp, Ryegrass or any other turf species not listed in the table below (unless listed under weeds controlled).

DO NOT apply within 10 m upwind of Bent Grass greens.

DO NOT apply to newly seeded, sodded or sprigged turf. Delay application until turf is at 100% cover and root system is developed beyond a 5 cm depth.

DO NOT apply if there are aquatic and wetland areas including aquacultural ponds or surface streams and rivers within 5 m downwind from application areas.

DO NOT apply if there are sensitive crops, gardens and landscaping vegetation or protected non-target native vegetation within 60 m downwind from application areas.

Replanting interval

DO NOT replant any crop or ornamentals to treated areas other than turfgrasses listed in the Directions for Use for a period of 12 months after application.

Spray Cleanup

Thoroughly clean spray equipment using the following procedure when you have finished spraying highly active materials such as sulfonylurea products. Start with a thoroughly cleaned sprayer before beginning the next job.

1. **Mix only as much spray solution as needed. Immediately after spraying, clean equipment thoroughly using this procedure. Wear appropriate protective equipment.**

As a first step, flush tank, hoses, boom and nozzles with clean water.

2. Prepare a cleaning solution of 300 mL of household ammonia/100 L water. Ensure ammonia used is fresh as it can degrade significantly over time resulting in reduction in cleaning ability.
3. When available, use a pressure washer to clean the inside of the spray tank with this solution. Take care to wash all parts of the tank, including the inside top surface and lid.
4. Completely fill the sprayer with the cleaning solution to ensure contact of the cleaning solution with all internal surfaces of the tank and plumbing. Start agitation in the sprayer and thoroughly recirculate the cleaning solution for at least 15 minutes. All visible deposits must be removed from the spraying system and, in cases where there is the possibility of heavy build up of residues, the cleaning solution may need to be left in the tank for extended periods to ensure adequate decontamination of the tank.
5. Flush hoses, spray lines and nozzles for at least 1 minute with the cleaning solution.
6. Dispose of rinsate from steps 1 to 5 in an appropriate manner.
7. **Repeat steps 2 to 5.**
8. Remove nozzles, screens and strainers and clean separately in the cleaning solution after completing the above procedures. Be careful with filters, as they are a main source of contamination.
9. Rinse the complete spraying system with clean water.

The above method is only effective if the cleaning solution into contact with every surface or contact point that may contain even minute sulfonylurea herbicide residues. In some boom sprayers this may not be physically possible and hence it may be advisable to use a different boomsprayer that has not been used to spray sulfonylurea herbicides, when spraying sensitive crops or turf species.

Resistance Management

MONUMENT LIQUID Turf Herbicide is a member of the sulfonylurea group of herbicides and has the ALS Inhibitor mode of action. Some naturally occurring weed biotypes resistant to MONUMENT LIQUID Turf Herbicide and other sulfonylurea herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. Since the occurrence of resistant weeds is difficult to detect prior to use, Syngenta accepts no liability for any losses that may result from the failure of MONUMENT LIQUID Turf Herbicide to control the resistant weeds.

MATERIAL SAFETY DATA SHEET

If additional hazard information is required, refer to the Material Safety Data Sheet. For a copy phone +65 6333 6400

DISCLAIMER

This product complies with the specifications in its statutory registration. Implied terms and warranties are excluded. Syngenta's liability for breach of the express or any non-excludable implied warranty is limited to product replacement or purchase price refund. The purchaser must determine suitability for intended purpose and take all proper precautions in the handling, storage and use of the product including those on the label and/or safety data sheet failing which Syngenta shall have no liability.