

Halo-Force 750 WG



Overview

Halo-Force 750WG is a systemic herbicide containing the active ingredient Halosulfuron-methyl.

It is registered for the control of Mullumbimby Couch (Green Kyllinga) and Nutgrass in a broad range of turfgrasses including Common Couch, Hybrid Couch, Bentgrass, Buffalograss, Kikuyu, Queensland Blue Couch, Perennial Ryegrass, Tall Fescue, Durban Grass and Carpetgrass.

Halo-Force 750WG is a 750g/kg Wettable (Dispersible) Granule formulation.

Halo-Force 750DF is a S5 (Caution) chemistry.

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Mode of Action

HaloForce is a group B herbicide.

HaloForce works by inhibiting ALS (acetolactate synthase).

ALS is a key enzyme in the production of branched chain amino acids required by the plant.

HaloForce is absorbed into leaf tissue within 24-48 hours and enters the plants vascular system.

It travels to the base of the leaves where the growing point is situated. Critical amino acid production within the plant is then prevented.

Yellowing and browning of leaves can usually be observed within 10-14 days.

It may take an additional 2 weeks before the nutgrass or mullumbimby couch dies. If nutgrass is not actively growing or is stressed in any way, this process may be delayed or interrupted.



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Knapsack Application Guide

Litres of Water	Rate of ProSedge (g)	Rate of Adjuvant (ml) – Octane
5	1.3	7
7.5	1.95	10.5
10	2.6	14
15	3.9	21
20	5.2	28



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Turf Safety Characteristics Comparison

Turfgrass	HaloForce	Monument	DSMA
Bentgrass	√	X	√
Buffalo (St Augustine grass)	√	X	√
Carpetgrass	√	X	X
Couch (Bermudagrass) Common	√	√	√
Couch (Bermudagrass) Hybrid	√	√	X
Durban Grass	√	√	X
Kikuyu	√	X	X
Perennial Ryegrass	√	X	X
Qld Blue Couch	√	X	X
Tall Fescue	√	x	X

Anecdotally, it is thought that Halosulfuron methyl can reduce / regulate the growth of turf varieties after application. This has been reported in turf production, particularly on Buffalo and Zoysia turf species. On these turf species, use of the lower rate ranges is recommended.



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Maximising Performance

Spray Tank Water Quality

- HaloForce is impacted by water hardness in spray tanks. Water hardness is a measure of the total concentration of positively charged minerals (cations) in water. Calcium (Ca^{2+}), Magnesium (Mg^{2+}), and Iron (Fe^{2+} , $3+$) are all cations which in sufficient quantities can make water hard and impact upon halosulfuron methyl stability and longevity in the spray tank. To avoid hard water conditions, it is recommended to apply Ammonium Sulphate at a rate of 3kg/100m².

Surfactant Addition

- HaloForce 750 WG must be applied with a non-ionic surfactant to ensure uptake. The label indicates to use a 1000 g/L non-ionic surfactant at 120mL per 100L.

Tank Mix Compatibility

- HaloForce 750 WG is compatible with glyphosate, dicamba/MCPA, bromoxynil/MCPA mixtures and amine formulations of 2,4-D. Organophosphate insecticides should not be tank mixed or applied 7 days prior or 3 days after application of ProSedge 750 DF, as turf injury may result.



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DIRECTIONS FOR USE:

Restrains:

- DO NOT** apply more than 200 g/ha per season.
- DO NOT** apply after the onset of frosts.
- DO NOT** apply this product through any type of irrigation system.
- DO NOT** apply if heavy rain is expected within at least 48 hours.

TURF (ALL STATES, ACT, NT)

SITUATION	WEEDS CONTROLLED	RATE	CRITICAL COMMENTS
Established Turf as named: Bent grass Buffalo grass Carpet grass Couch Couch hybrid Durban grass Kikuyu grass Perennial ryegrass Queensland blue couch Tall fescue	Mullumbimby Couch, Nutgrass	65 – 130 g/ha 1.3 g/100 sqm	Use the higher rate for dense infestations. Apply to actively growing weeds when new leaf growth has reached a minimum of 5 cm on Nutgrass or 2 cm on Mullumbimby couch. Apply using a boom spray with flat fan nozzles to apply at least 80 L/ha of water. Apply follow-up treatments if sufficient new growth warrants re-treatment. For optimum control, mowing should be delayed for 2 days following treatment. Use of this product on newly seeded, sodded or sprigged turfgrass that is not well established may result in damage and/or delay establishment. In addition, application to turf weakened by weather conditions or by physical damage due to intensive use or cultural practices such as scarification, coring, aeration or top-dressing, may result in damage and/or delayed recovery. For spot treatment using handgun or knapsack sprayers, apply 1.3 g Halo-Force 750 WG Herbicide per 100 square metres. For example, mix 1.3 g Halo-Force 750 WG Herbicide in 10 L of water and apply 10 L of the mix per 100 square metres.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

