



# ProSedge 750DF

Herbicide

## *Proven sedge weed control*

### Product Overview

- > ProSedge 750DF 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.
- > ProSedge 750DF is a 750g/kg Dry Flowable Dispersible Granule formulation.
- > ProSedge 750DF is a S5 (Caution) chemistry.

### Key Features

- > Strong activity on sedges.
- > Possesses systemic activity that moves through the plant and removes the sedge's underground growing parts.
- > Broad spectrum of turf safety. Registered for use on 10 turfgrass varieties, both warm and cool season.
- > Low active ingredient output.
- > No odour. Easy to use in urban environments.
- > Highly dispersible, dry flowable formulation.
- > Available in an easy to pour 500g bottle, with a measure providing increments of 10g up to 100g. Left intact in the original package, ProSedge 750DF kept in a cool, dry place can be stored for many years without affecting its performance.

### Mode of Action

#### **GROUP B HERBICIDE**

ProSedge 750DF is a group B herbicide. ProSedge 750DF works by inhibiting ALS (acetolactate synthase). ALS is a key enzyme in the production of branched chain amino acids required by the plant. ProSedge 750DF 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.



**ProSedge 750DG Herbicide – Use Rates & Label Recommendations**

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	65-130g/ha  1.3g/100 sqm	Use the higher rate for dense infestations. Apply to actively growing weeds when new leaf growth has reached a minimum of 5cm on Nutgrass or 2cm on Mullumbimby couch. Apply using a boom spray with flat fan nozzles to apply at least 80L/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 1.3g per 100 square metres.  For example, mix 1.3g in 10L of water and apply the 10L of the mix per 100 square metres.



**Spray Tank Water Quality**

ProSedge 750DF 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<sub>2+</sub>), Magnesium (Mg<sub>2+</sub>), and Iron (Fe<sub>2+</sub>, 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/100m<sup>2</sup>.

**Surfactant Addition**

ProSedge 750DF 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.  
 For handgun or knapsack application, the label indicates to add surfactant at 12mL/10L of water. For 859g/L adjuvants (Octane), this equates to 140mL per 100L of water. For handgun and Knapsack applications, Octane Extender, Sticker and Spreader should be used at 14mL/10L of water.

**Tank Mix Compatibility**

ProSedge 750 DF 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.