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## The new innovative herbicide created by Syngenta now controls even more weeds.

**Monument for superior control of Wintergrass, Ryegrass, Bindii, Nutgrass, Mullumbimby Couch and Kikuyu (suppression) in Turf.**

### THE MAIN FEATURES OF MONUMENT® IN TURF WEED CONTROL:

- Superior efficacy versus industry benchmarks on Wintergrass (*Poa annua*), Ryegrass (*Lolium perenne*), Nutgrass (*Cyperus rotundus*) and Mullumbimby Couch (*Cyperus brevifolius*)
- Unique and innovative - the only product registered with such a broad spectrum of activity.
- High concentration with very low use rates, ranging from 15 g/ha to 40 g/ha.
- Low toxicity.
- No poison schedule.
- Shoot and root absorbed.

### MODE OF ACTION:

MONUMENT is a member of the Group B herbicides and it controls weeds by inhibiting a biochemical process that produces certain essential amino acids necessary for plant growth. The inhibited enzyme system is acetolactate synthase (ALS).

MONUMENT is readily absorbed by foliage and roots and translocated to the meristematic region. The leaves of susceptible plants normally turn yellow, red or purple within several days after application.

Complete plant death generally occurs 2 to 4 weeks after application, although it may take up to 6 weeks depending on environmental conditions.

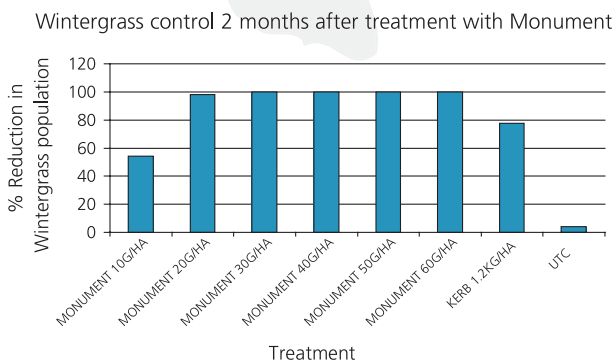
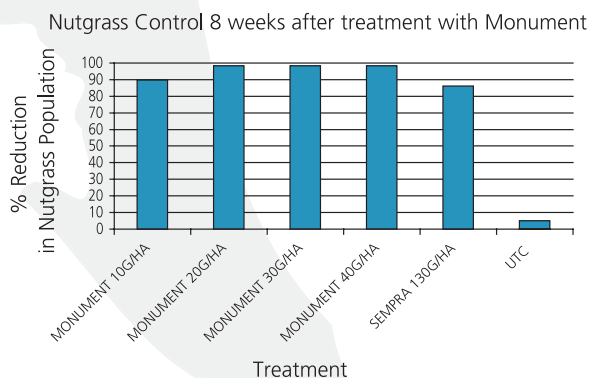
**“Superior efficacy versus industry benchmarks ...”**

### MONUMENT can be used on a range of turf locations:

Including golf courses, parks, commercial properties, turf farms and sports fields.

### TRIAL RESULTS:

- MONUMENT at 30 g/ha provided equal or greater control of Wintergrass to Kerb\* applied at its maximum recommended rate.
- MONUMENT at 20 g/ha provided equal or greater control of Nutgrass to Sempra\* applied at 130 g/ha.
- MONUMENT at 40 g/ha provided equal control of Clover to Fairway\* at 5 L/ha and Kamba M\* at 6.5 L/ha.
- MONUMENT at 30 g/ha provided significantly greater control of Perennial Ryegrass to Kerb at 1.2 kg/ha.



# MONUMENT - THE NEW INNOVATIVE HERBICIDE

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*Nutgrass (Cyperus rotundus)*

*Wintergrass (Poa annua)*

## WHEN TO APPLY:

- Monument should be applied to emerged weeds that are actively growing in ample soil moisture. For best results, apply during the early stages of weed development. Poor results can be expected in stressed conditions (e.g. low soil moisture, damage from disease, herbicide or frost).
- Ensure Monument is used in accordance with drift management precautions to avoid non-target application to susceptible grass species, tree drip lines and gardens beds.
- Apply in a water volume of 400-800 L/ha. Higher volumes should be used for heavy weed infestations to ensure adequate coverage. Always use a non-ionic surfactant at 0.25 to 0.5% v/v ratio.

## OPTIMAL TIMING:

- Monument should be left on the leaf for at least 3 hours for best results. Incorporation with irrigation water to avoid tracking should be avoided within this time.
- For optimum performance, avoid mowing for 1-2 days prior to and following application.
- Allow at least 6 weeks between last application and over-seeding with cool season grasses for winter cover.
- In some situations a repeat application may be required at 4-6 weeks after initial application to ensure adequate weed control.

## TRACKING:

- Tracking is the off-target movement of a product from the sprayed area through physical contact such as machinery, foot traffic, hoses or wildlife.

Users should be cautious during and after application to avoid tracking Monument onto susceptible species.

- To avoid tracking, do not allow any traffic on treated areas until adequate watering-in has occurred and foliage has dried.
- Areas not watered in may be susceptible to tracking for a number of days after application. A very light rainfall/irrigation or heavy dew may increase the likelihood of tracking.

## KIKUYU SUPPRESSION

Kikuyu is a perennial plant and is hard to control in one application due to the significant root, rhizome and stolon energy reserves. Many perennials have high downward translocation rates at end of major growth periods to provide energy for following growth period. For this reason the best time to suppress kikuyu is during autumn.

### Tips for strong kikuyu suppression:

1. Two applications are required: 40 g/ha + 40 g/ha. The second application should be applied 21-28 days after the first.
2. Best results are seen during autumn due to late season translocation.
3. Ensure couch is actively growing to fill the voids left by the kikuyu.

## COMPATABILITY:

As water quality and other elements vary with location, all mixtures should be tested prior to mixing commercial quantities.

## MIXING:

No pre-mixing is required with MONUMENT, as the WG formulation mixes readily with water. If pH of water carrier is less than 5.5, use a buffer solution to raise pH to near 7.0. Do not mix MONUMENT with acid forming compounds in the spray vat.

**For further information please call the Syngenta Technical Advice Line on Freecall 1800 067 108 or visit [www.greencast.com.au](http://www.greencast.com.au)**

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