

ACTIVE INGREDIENT: TEBUCONAZOLE

GROUP 3 FUNGICIDE

## LARGE PATCH DISEASE (*Rhizoctonia solani*)

Large Patch (*Rhizoctonia solani*) is a fungal patch disease affecting warm-season turfgrasses such as kikuyu, couchgrass, zoysia, and other warm-season turfgrass in cool, wet weather, and is most common on semi-dormant turfgrass or turfgrass that is going into or emerging from dormancy. Typically developing between autumn and spring, Large Patch is characterised by large patches of visibly damaged turf.

### Factors contributing to Large Patch outbreaks:

- Cool, wet weather
- Turf in semi-dormant or dormancy transition phases
- Optimal infection: 21–27°C, active range: 10–30°C
- Most active during autumn and spring in temperate climates

### Symptoms of Large Patch:

- Patches: Range from 30 cm to 6+ metres in diameter.
- Colour: Tan, yellow, or orange turf; expanding rings have a characteristic orange “firing” around the edge of the patch.

### Damage:

- As the disease progresses, patch interiors become sunken, and turf appears thin.
- Damage continues until temperatures rise above 30°C, at which point the turf can recover and begin active growth again.



Orange “firing” around edge of patch

## LARGE PATCH DISEASE MANAGEMENT

### Cultural Practices are the first step in reducing Large Patch:

- Improve drainage to prevent water-logged soils wherever possible, as saturated soil conditions exacerbate Large Patch
- Regular aeration in summer to reduce compaction and risk of having water-logged soil
- Avoid late-summer/autumn nitrogen applications, as excess nitrogen can exacerbate disease.

### Control with DMI fungicides:

- DMI fungicides are the preferred mode of action for controlling Large Patch. [Dedicate<sup>®</sup> FORTE Stressgard](#), with the active ingredient tebuconazole, is a DMI fungicide registered for the control of Large Patch disease

## CONTROLLING LARGE PATCH WITH DEDICATE FORTE STRESSGARD

[Dedicate FORTE Stressgard](#) offers an effective solution for controlling Large Patch disease:

- **Targeted Application Benefits:** [Dedicate Forte's](#) systemic movement protects the plant from within, including at the leaf sheath level where *Rhizoctonia* infection occurs.
- **Flexible Use:** Ideal for both preventive and early curative applications, especially during the transitional autumn and spring periods when Large Patch is most active.
- **Ease of Application:** Offers flexible irrigation requirements, systemic movement, and long-lasting residual effects.
- **Broader Spectrum of Activity:** [Dedicate Forte](#), with the active ingredient tebuconazole (a DMI fungicide), effectively controls a wide range of turf diseases, including *Rhizoctonia solani*, fairy ring, take-all patch, dollar spot, grey leaf spot, and Anthracnose.
- **Long-Lasting Residual Protection:** The DMI component (tebuconazole) provides strong, residual protection against soil-borne pathogens, effective across a range of temperatures and conditions.



## TREATMENT TIPS FOR BEST RESULTS

- Good coverage and wetting of the foliage are necessary.
- Apply as a preventative application in autumn when 5-cm depth soil temperatures are 22-24°C and spring after renovation and recovery of active growth.
- Apply a second treatment after 28 days.
- A third application may be needed in spring if disease pressure remains high.
- Apply in a water rate up to 1600L/Ha for better soil penetration.
- Follow with irrigation to wash product into the root zone.
- Alternatively, apply fungicide with lower water volume followed by 2.5mm irrigation for effectiveness (targeting the leaf sheath).
- Do not apply more than six applications per year.

## STEWARDSHIP

Always read the label before use.  
For full list of application and usage recommendations, view the [label](#).

Perth



*Credit: J. Lane, Living Turf*

Adelaide



## CONTACT US

For further information on the treatment of Large Patch or other turf diseases, please contact the Envu team. Details can be found on the Envu website by visiting [Our Team in Australia](#)



Untreated (L)

Treated with [Dedicate Forte](#) (R)

Find out  
more about  
**Dedicate Forte**  
**Stressgard**



ALWAYS READ THE LABEL BEFORE USE

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