



### What is Transact Fungicide?

*Transact is a broad spectrum fungicide containing 500g/L of the active ingredient Iprodione.*

*It is registered for the control of Brown Patch, Dollar Spot, Fusarium Patch, Spring Dead Spot, Curvularia and Helminthosporium diseases in all recreational turf situations. It is also registered for the control of Botrytis Blight in ornamental plant applications.*



### Features of Transact Fungicide

- ✓ Cost effective form of Iprodione for broadacre usage.
- ✓ Non-scheduled chemical.
- ✓ Water based formulation, allows efficient movement into the soil profile and is very effective against root borne pathogens.
- ✓ High active ingredient loading, resulting in lower application rates and reduced drum disposal costs.
- ✓ Locally systemic movement (translaminar) within the plant. Provides control of pathogens within plant tissue.
- ✓ Broad spectrum activity.
- ✓ Good residual performance.
- ✓ Excellent turf and ornamental plant safety characteristics.
- ✓ Good tank mix flexibility.

### Transact at a glance

Active Ingredient	500g/L Iprodione
Formulation	Suspension Concentrate
Pack Size	5L
Rate	Turf: 4.5-9.0L/ha Ornamentals: 100mL/100L of water
Poison Schedule	Non Scheduled
Mode of Action	Group 2 Fungicide

### › Transact Mode of Action

Iprodione, the active ingredient in Transact is a member of the dicarboximide fungicide group (Group 2 – formally Group B). Transact is a locally systemic fungicide with both protective and curative activity. Iprodione controls susceptible fungi by inhibiting germination of fungal spores and growth of mycelium (a vegetative part of the fungus).

Transact possesses locally systemic movement (Translaminar) capabilities within plants, meaning that when used as a foliar treatment, it has the capacity to penetrate into leaf tissue, moving from the upper leaf surface to the bottom leaf surface, enhancing protection of the entire leaf area. Transact's translaminar capability also ensures that plant pathogens growing within plant tissue can be effectively controlled via an application of Iprodione.



## > Key Diseases Controlled

### Brown Patch



**Pathogen:** *Rhizoctonia solani*  
**Site of Infection:** Foliage & roots  
**Ideal Infection Temperature:** 25-30°C

### Dollar Spot



**Pathogen:** *Sclerotinia homeocarpa*  
**Site of Infection:** Foliage  
**Ideal Infection Temperature:** 15-35°C

### Fusarium Patch



**Pathogen:** *Microdochium nivale*  
**Site of Infection:** Foliage & roots  
**Ideal Infection Temperature:** 0-20°C

### Spring Dead Spot



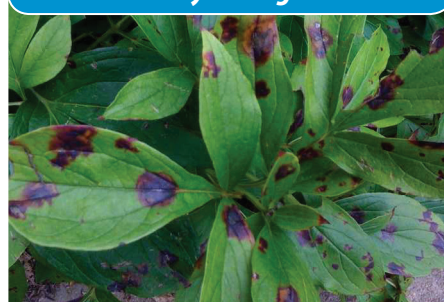
**Pathogen:** *Leptosphaeria* spp.  
**Site of Infection:** Root system  
**Ideal Infection Temperature:** 10-25°C

### Helminthosporium



**Pathogen:** *Bipolaris*, *Drechslera* & *Exserohilum*  
**Site of Infection:** Foliage & roots  
**Ideal Infection Temperature:** 18-35°C

### Botrytis Blight



**Pathogen:** *Botrytis cinerea*  
**Site of Infection:** Foliage  
**Ideal Infection Temperature:** 15-25°C

## > Transact Application Information

Transact fungicide is applied at a rate of 4.5-9L/ha (45-90mL/100m<sup>2</sup>) in turf situations, depending upon the target pathogen and 100mL/100L of water in ornamental applications.

In turf applications, it is recommended that Transact be applied in a minimum of 300L of water per hectare with a medium sized droplet to obtain an even coverage over the turf surface.

For root borne diseases, irrigation maybe required to place the active ingredient into the rootzone.

For ornamental application, ensure Transact is applied as uniformly as possible over the plant and repeat applications at 14 day intervals until control has been achieved.

## > Spray Tank Water pH

Transact is most stable in a water pH below 5. Transact maybe unstable in water conditions where the pH is above 7. At a pH of 9, Iprodione undergoes alkaline hydrolysis and has a half life of less than 1 hour. It is therefore essential to check the pH of the spray solution before adding Transact. A suitable acidifier / buffering agent may have to be added to the spray solution to bring the pH closer to the ideal range and get the best result out of Transact.

## > Tank Mixing Flexibility

Transact is suitable for combining with a number of plant protection and plant nutrition products. This includes Fosetyl Al, Calcium Chloride, Chlorpyrifos, Copper Oxychloride, Dimethoate, Mancozeb, Maldison and Metalaxyl. Transact should not be mixed with urea due to the potential to enhance foliar burn.

