

How to use Fore® Rainshield®

Fore® Rainshield® is applied at a rate of 33.5 – 41.5L/ha (335 – 415mL/100m²) in turf situations. To achieve optimum control, spray Fore® Rainshield® regularly as part of a preventative program. However, if disease is apparent, apply and repeat at 7 to 10 day intervals until the disease is gone. When treating turf under high disease pressure, apply at maximum label rates and minimum intervals.

In low disease pressure situations, Fore® Rainshield® can be used at the minimum label rates per application. Trials have shown that well-maintained turfgrass responds better to fungicide treatments than turfgrass under stress. Thus, treated turfgrass should be maintained in a vigorous growing condition.

Tank-mixing with Fore® Rainshield®

When mixed according to label directions, Fore® Rainshield® is compatible with most commonly used turfgrass fungicides, insecticides and growth regulators. Several popular tank mixes include Fore® Rainshield®, plus:

- Banner® Maxx® fungicide — for broad spectrum disease control.
- Banol® or Subdue® fungicide — leads to synergistic effects for curing pythium; in addition, it makes an effective combination against summer stress complexes.
- Signature® fungicide — for summer stress complex.
- Rovral® GT and other Iprodione based fungicides — for good knockdown coverage.

Summary of key benefits of Fore® Rainshield®

- Possesses smaller Mancozeb particles, optimizing leaf coverage.
- Has a unique surfactant package that assists particle redistribution
- Improves rainfastness.
- Contains a unique Green Dye providing better turf quality & overall colour.
- Contains 15% more active than other liquid Mancozeb's.
- A lower Chemical Scheduling than other premium contact fungicides.
- A different mode of action than other premium contact fungicides and fits well into a resistance management strategy.
- Contains an ornamentals registration, whereas other premium contact fungicides don't.
- Excellent tank mixing properties and Fore Rainshield mixed with several products are known to provide excellent disease control.



For unique, long-lasting broad-spectrum disease control in turf.



Fore® Rainshield® is the ideal choice for summertime conditions when heat, humidity and heavy irrigation combine to create the most intense disease conditions of the year.

When a superintendent shouts “fore,” brown patch better look out — there’s a fungicide coming and it means business. Fore® Rainshield® Fungicide not only provides the most cost-effective control of brown patch, it also protects against many other troublesome diseases

THE ACTIVE INGREDIENT IN FORE® RAINSHIELD®

Mancozeb, the active ingredient in Fore Rainshield, is a multiple-site enzyme inhibitor that attacks fungi in a non-selective manner and prevents disease organisms from adapting and mutating. This feature gives Fore Rainshield a successful track record in turf disease control, without ever experiencing a resistance problem.

Mancozeb is classified as a Group M3 fungicide (Formally Group Y). Mancozeb is a non-systemic, contact fungicide that has protectant activity. Mancozeb will provide at least 7-10 days reliable protection from major turf pathogens following an application.

THE UNIQUE FORE® RAINSHIELD® TECHNOLOGY

Smaller particle size

The mancozeb particles in Fore® Rainshield® fungicide are small and refined, so more fungicide remains on the turf blades — allowing long-lasting, broad-spectrum disease control. Testing has shown that Rainshield technology allows better distribution of active ingredient with fewer gaps in protection. This helps ensure more even and consistent coverage — even after heavy rain or irrigation. This means more Fore Rainshield remains on the plant surface for a longer period of time.

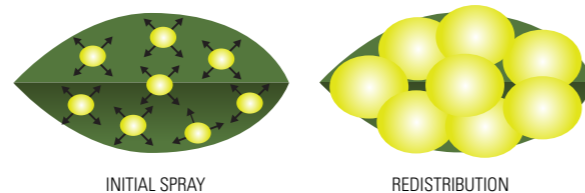
PARTICLE SIZE PROPERTIES OF FORE® RAINSHIELD® V MANCOZEB COMPETITORS

| Fore® Rainshield® | Penncozeb® 420 | Generic DF Formulations | Comments |
|-------------------|----------------|-------------------------|--|
| 1.5 microns | 2.7 microns | >3.0 microns | Fore® Rainshield® has the smallest particles ensuring better plant coverage. |

Ref: Dow Agrosiences

Particle redistribution

The technology in Fore® Rainshield® provides unique particle redistribution properties on leaf surfaces. Dew cycles, irrigation and rainfall trigger the action of the surfactants and permits particles to redistribute (and not wash off). This allows coverage of areas that have been missed by initial spray deposits. This is very important on lower leaf parts, such as veins and margins, where fungal spores tend to congregate.



Unique green pigment

In addition to the smaller particle sizing, the Fore® Rainshield® formulation also contains a unique green pigment which provides comparatively better turf quality and improved turf colour than other mancozeb fungicides.



Higher loading liquid formulation

Fore® Rainshield® is a high loading suspension concentrate 480g/L liquid mancozeb formulation. The liquid formulation avoids dealing with dry flowables or wettable powders, which can clog filters and nozzles. This enhances greater worker safety, but also easier incorporation into tank mixes.

MANCOZEB CONTENT OF FORE® RAINSHIELD® V COMPETITORS

| | Fore® Rainshield® | Penncozeb® 420 | Comments |
|----------------------------------|-------------------|-----------------|--|
| Mancozeb Concentration | 480g/L | 420g/L | Fore® Rainshield® has 15% more active ingredient. |
| Application Rate (Litres per Ha) | 33.5 – 41.5 | 33.5 – 41.5 | Fore® Rainshield® has a much greater active ingredient output, which means more effective disease control. |
| Active Ingredient Output (g/ha) | 16,080 – 19,920 | 14,070 – 17,430 | |

COMPARISON OF PREMIUM CONTACT FUNGICIDES

| | Fore® Rainshield® | Daconil® Weatherstik® | Dacogreen 720 Weathershield | Comments |
|----------------------------|-------------------|-----------------------|-----------------------------|---|
| Scheduling | S5 | S6 | S6 | Fore® Rainshield® has the lowest scheduling, broadly meaning the product is safer to use with less PPE required. |
| No. of Diseases Controlled | 3 | 5 | 3 | Fore® Rainshield® is registered for the control of 11 turf diseases in the US*. |
| Ornamentals Registration | Yes | No | No | Fore® Rainshield® is registered for use on ornamental plants. Daconil & Dacogreen are not. |
| Mode of Action Group | M3 | M5 | M5 | Fore® Rainshield® has a different Mode of action than Chlorothalonil. Allows for rotation of modes of action in your program. |
| Cost / Ha | ✓✓✓ | ✓ | ✓✓ | Fore® Rainshield® is the most cost efficient of the Premium Contact Fungicides. |