

# Breaker\* Advance Granules & Tablets

A Complete Immersion Technology wetting agent for the treatment of Dry Patch and other water-related problems in turfgrass

Contains polyoxyalkylene glycol surfactants and soil penetrant



Dry Patch is known to be caused by soil inhabiting fungi of the type that cause Fairy Rings. As their mycelium grows through the soil they deposit a coating of waxes and lipids, particularly around sand particles.

Research has shown that in most instances this is concentrated at the soil/thatch interface and is the water-hating or hydrophobic zone. The soil beneath these water-repellent areas becomes powder dry and will no longer support root growth. Such swards exhibit symptoms similar to drought stress and in extreme cases the annual meadow grass component of the sward will die off leaving a patchy sward. High spots and slopes are often prone to this condition, as are compacted soils and shallow rooted swards.

## Complete Immersion Technology

When standard wetting agents are applied to turf, they infiltrate the ground through the force of gravity. Inevitably this solution will follow the path of least resistance, and although some spreading may occur, complete wetting of the soil profile is not achieved. As a result, dry spots are left within the rootzone that will continue to be water repellent. Not the case with new Breaker Advance.

Breaker Advance, incorporating Complete Immersion Technology, has been again further improved for 2009 with an even more efficient penetrant system, resulting in the product reaching even deeper down into the soil profile than before, so further enhancing the benefits of the product within the rootzone.

When there is a uniform soil moisture there is reduced drought stress to the turf plant, its metabolic processes respond more effectively and optimal plant growth is improved. The better soil moisture conditions brought about by using Breaker Advance also provides a more conducive environment for soil microbe populations.

As well as being available as a liquid product, Breaker Advance is also available in Granular and Tablet form, giving total flexibility of use of this wetting agent throughout the season.

## How to use Breaker Advance Granules

Make 2 applications at 7-10 day intervals in spring (mid-March) before the appearance of Dry Patch symptoms. Repeat as necessary or at monthly intervals throughout the growing season. Watering-in is optional as required.

Rate of Application

Area of use	Breaker Advance Granules	Area
Golf greens, golf tees	10kg	500m <sup>2</sup>
Bowling greens	30kg	1,500m <sup>2</sup>
Golf fairways, sportsfields	100kg	5,000m <sup>2</sup>
Large areas	200kg	10,000m <sup>2</sup>

Apply using conventional fertilizer spreading equipment.

## Pack details of Breaker Advance Granules

Pack size: 20kg (0423894)

Pack coverage: 1,000m<sup>2</sup>

Prevents and cures Dry Patch

Triple active components – wetting and spreading agent; soil penetrant; re-wetting agent

New penetrant system enables product to reach even deeper than previously into the soil profile

Promotes a dry surface as it maintains turf moisture but without wetness

Beneficial effects can usually be seen after 48 hours when applied with irrigation

Safe to grass sward and beneficial micro-organisms

## How to use Breaker Advance Tablets

Apply during the spring to autumn period as appropriate. Take one tablet and place in the chamber of the Breaker Advance Applicator Gun. Screw chamber into position and turn on water supply. The tablet will dissolve at a pressure of 60-90 psi.

### Spot Treatment

One Breaker Advance Tablet will spot treat 6-7 average sized golf greens (applied at approximately 10 minutes per green).

### Overall Treatment

Use one Breaker Advance Tablet per golf green.

## Pack details of Breaker Advance Tablets

Pack size: 250g tablet (0423893/) treats variable area sizes.

## Breaker Advance Applicator Gun

Dry Patch often occurs as small isolated patches that are best spot treated rather than by blanket applications. The Breaker Advance Applicator Gun is designed for use with the Breaker Advance Tablet to make spot treatment as simple and effective.

It is fitted with a rose-type head to give an excellent spray pattern and can be used over a wide range of water pressures, usually between 60-90 psi.



## Breaker Fairway

Fairway products contain the new Breaker Advance formulation but specially modified to make them ideal for use on fairways and outfield areas. All are applied at 40 l/ha in 400 litres of water, and are available in 200 litre containers (up to 5 ha coverage).



**Number 1** The standard formulation for economical application to large amenity areas.

**Number 2** Also includes 2% Fe (chelated) + 2% seaweed.

**Number 3** Also includes 2% Fe (chelated) + 2% seaweed + 2% amino-acids + 2% carbohydrates.

\*Breaker and Breaker Advance are trade marks of Rigby Taylor Ltd.