

Wetting Agents

Since the introduction of Primer 604 in 1995 it has been the market leading wetter worldwide. In a recent survey over three quarters of the Worlds top 100 golf courses used Primer 604, as part of their turf management strategy.

At the heart of the product's performance is its ability to develop a matrix flow pattern of water in a soil profile. Matrix flow is where the water in the soil moves laterally as well as downwards, most significantly in the area of the root zone.

The visual benefits of the use of Primer 604 are demonstrated in photographs C,D, E and F. Here an active golf course was used for a trial where a hole was treated with primer 604 on the forward or short tee for a season, whilst the back or long tee on the same hole was not treated. The effects are dramatic. The untreated tee has suffered severd dry patch (photo C) and a core taken after the season (photo D) cannot hold its form and crumbles to dust. The treated tee however, is looking fresh and healthy (photo E) after only two applications of Primer 604, and the core is uniformly moist illustrating the effects of matrix flow (photo F). A remarkable result.

- Will not scorch or burn.
- Requires no watering in.
- Safe non ionic surfactant.
- Creates a unique matrix flow.

Application Rates

Primer 604 Programme

Initial application and early spring apply at 185 ml in 7 litres of water per 100sq metres (18.5 litres in 700 litres of water per hectare). Monthly application: apply at 125 mls in 7 litres of water per 100 sq metres (12.5 litres in 700 litres of water per hectare).

Pack size: 10 litre, 210 litre.



We can now offer Primer granular in a new totally remarkable and patented form. Primer SWDG or spreadable water dispersible granular, is the culmination of painstaking research by Aquatrols and offers a totally new dimension to spreadable wetters.

The new Primer SWDG replaces the old corncob carrier spreadable product. It dissolves instantly when in contact with irrigation water or rain eliminating the carrier residue.

Primer SWDG

- Spreadable water dispersible granules.
- Will not scorch or burn.
- Waters in instantly.
- 10% Polymeric polyoxyalkylenes, 90% inert organic carrier.

For golf greens/tees/fairways, general sports turf pitches, landscape contractors and lawncare situations: apply at 1.2kg per 100 sq metres. For all seeding and overseeding applications: apply to 0.6kg per 100 sq metres. For all new turf laying situations: apply 1.2kg per 100 sq metres.

Pack size: 22.5kg



An essential tool for protecting turf against stress.

The Revolution® is Here!

The amount of stress placed on today's greens is greater than ever. Increased traffic and the demand for faster greens speeds, coupled with heat and water stress, pushes turf beyond its physiological limitations. As a turf professional, maintaining quality turf under a variety of stresses is your greatest challenge, and establishing control over the growing environment is key to your success. Revolution® lets you gain control of rootzone conditions so that your turf can perform to its greatest potential. It will withstand daily abuse better, use water more efficiently, and look spectacular even at the height of the summer.

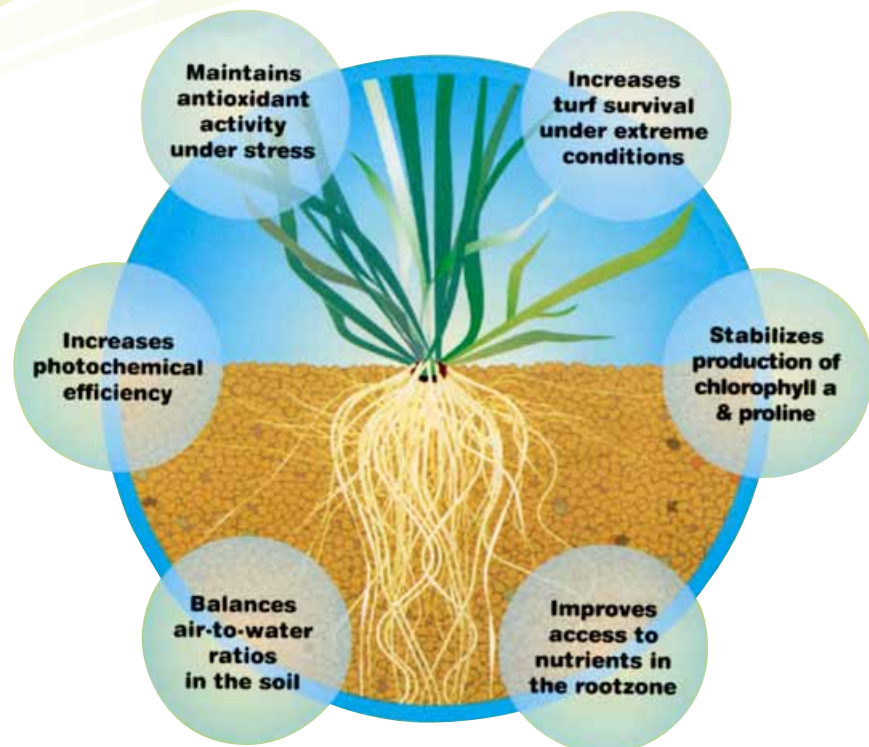
This exciting breakthrough is the culmination of Aquatrol's 50 years of water management expertise in the turf industry. This new class of block copolymer chemistry has been carefully engineered to provide a solid foundation for successful turf management, and is an essential tool for protecting turf against damage caused by environmental and cultural stresses.

Revolution is a safe, reliable way to comprehensively maintain quality turf conditions throughout the season. And Revolution can be tank mixed with a broad spectrum of commonly applied chemicals for even greater convenience.

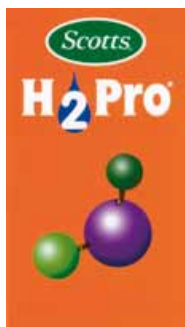
Can you afford to use anything less?

Application Rates

19 litres in 800 litres water over 10,000m² every 4-5 weeks. Minimum of 3 applications recommended from early Spring. Pack size 10 litres & 210 litres.



Join the Revolution



The Wetting and Water Conservation Agent

H2Pro has been developed with the turf professional in mind. Its unique formulation allows the most flexible range of application options available from one water management product.

How to apply H2Pro

Scots **H2Pro** works most effectively when the initial application is applied before the growing season with further applications as per the selected application programme. However, it can also be used curatively to relieve plant stress due to hydrophobic soil conditions at any time of the year.



H2Pro Liquid

H2Pro Liquid is a premium wetting agent that can be applied using three separate application programmes to best fit the maintenance needs - monthly, bi-monthly and annual.

H2Pro Tablets

H2Pro Tablets are a 100% active tablet, containing **H2Pro** wetting agent for immediate relief of plant stress caused by hydraulic soil conditions.

H2Pro Tablets can be applied through the new **H2Pro** applicator gun. One tablet will treat 6-7 average sized golf greens applied at 5-10 minutes per green. **H2Pro Tablets** are ideal for use as a spot treatment. Application should be repeated as required.

Monthly Application Programme

H2Pro Liquid	Rate	Water Volume	Area
Initial application	25 litres	600-900 litres	1ha
Monthly application	10 litres	600-900 litres	1ha

No watering-in required

Bi-monthly Application Programme

H2Pro Liquid	Rate	Water Volume	Area
Bi-monthly application	25 litres	600-900 litres	1ha

No watering-in required

Annual Application Programme

H2Pro Liquid	Rate	Min Water Volume	Area
Annual application	50 litres	2,000 litres	1ha

Watering-in required. Wet grass prior to application and water in immediately after application for 5 to 10 minutes, ensuring at least two passes of the irrigation cycle to the treated area.

OARS Curative

Cures the problem of hydrophobic, water repellent soil.

OARS Curative will correct the cause of water repellency. OARS Curative is a patented combination of an organic solvent and a surfactant complex that is proven to be effective in removing accumulations of hydrophobic humic substances on soil surfaces.

OARS Curative removes the build up of organic substances that coat the surface of coarse textured sand particles causing them to be water repellent.

OARS Curative can be used to manage water movement problems in the soil profile, as well as allowing corrective action to remove hydrophobic deposits from the soil particle surface.

Water repellency in soil is the result of organic coatings on soil particles, mostly as a result of naturally occurring microbial breakdown of organic matter such as thatch, plant tissue, root exudate and fungal hyphae bonding to the soil particles.



OARS Curative

Corrective action

In addition to its surfactant characteristics, OARS Curative contains an organic solvent that weakens the chemical bonds of the humic substances that coat the soil particle surface.

These bonds flake away by the process of hydration caused by OARS Curative.

It's surfactant components attach to the hydrophobic soil surfaces and thatch to provide.

- Uniform movement of water into and through the soil matrix.
- Patterns of wetting re-wetting that will improve the amount of water in the soil to meet transpirational and metabolic demands of turf grass.
- Long lasting surfactant activity.

Test results show a 27% reduction in humic substances for sand soil surfaces in samples treated with OARS Curative.

Application rates:
190-225ml per 8 litres water, treats 100sq.m
Pack size: 10 ltrs

