

# Fast moving Proliance Quattro gives total weed control

PRODUCT UPDATE

January 2008

## In Brief

- **PROLIANCE QUATTRO** is a new fast acting, high performance glyphosate from Syngenta for professional grounds maintenance
- The first Enhanced Active Ingredient product for the amenity sector, containing System 4 Technology
- **New formulation gives significant benefits over conventional glyphosate products**
- System 4 Technology ensures the glyphosate is absorbed more quickly and rapidly moves throughout the plant
- **Works faster and more effectively in a wider range of conditions**



*New PROLIANCE QUATTRO provides a flexible, fast and effective total herbicide, with specific beneficial features for professional grounds maintenance.*

## System 4 Technology gets to work

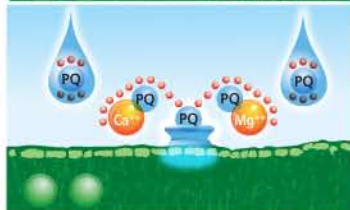
At the heart of new PROLIANCE QUATTRO is **System 4 Technology**. The unique blend of surfactants is truly integrated with the glyphosate

active ingredient – creating the world's first Enhanced Active Ingredient product for professional grounds maintenance.



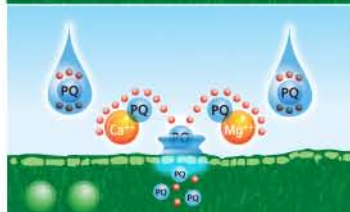
1

**LEAF CONTACT** System 4 Technology increases the retention of the herbicide spray droplets on the leaf surface and optimises spreading.



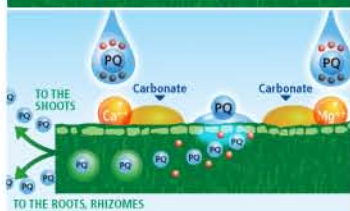
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**SUPERIOR PERFORMANCE IN HARD WATER AREAS** PROLIANCE QUATTRO contains an ionic balancer that can counter the negative effects of magnesium and calcium ions – which can lock onto conventional glyphosate molecules and render it inactive.



3

**LEAF PENETRATION** System 4 Technology enhances the rapid uptake of PROLIANCE QUATTRO into the leaf, making it safe from wash off by rainfall.



4

**MOVEMENT THROUGH THE PLANT** Once in the leaf, System 4 Technology encourages the efficient translocation of PROLIANCE QUATTRO to shoots, roots, rhizomes and stolons to achieve a complete kill.

## Environmental profile

The environmental integrity of all amenity managers and contractors is under close scrutiny. New PROLIANCE QUATTRO meets the environmental requirements and operator safety demands of the amenity industry:

- No hazard classification is required, with no symbols or risk phrases on the label
- Low toxicity risk to operators
- Low risk to aquatic and beneficial organisms

The System 4 Technology surfactants are manufactured from maize gluten, making the component highly biodegradable and with excellent operator safety and environmental properties. Any PROLIANCE QUATTRO landing on the soil surface is quickly deactivated and degraded.

**PROLIANCE QUATTRO is a truly modern glyphosate herbicide for today's professional grounds maintenance.**

## Higher rate to control tougher weeds

**PROLIANCE QUATTRO is a high performance glyphosate that, rate for rate, will more than match other premium glyphosate products.**

Further more, PROLIANCE QUATTRO is approved at a new higher rate of 6.0 l/ha, to combat the most pernicious weeds hitherto difficult to control with previous glyphosate products.

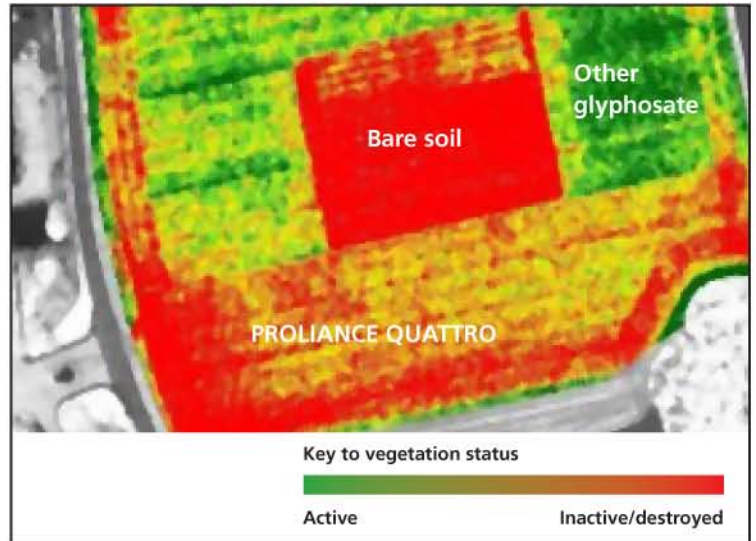
The highly effective formulation of PROLIANCE QUATTRO gives immense flexibility to control tough weeds at significantly lower rates.

## Guideline rates for general weed control include:

	Rate l/ha
Perennial broad-leaved weeds	6.0 l/ha
Perennial grasses	4.0 l/ha
Annual weeds	1.5 l/ha

## Fast on the uptake, quick to the kill

New PROLIANCE QUATTRO is taken up into the plant quicker and is faster to move to the critical growing points of weeds.



Highly sensitive infra red aerial imagery of large scale field trials (above), have shown PROLIANCE QUATTRO (area below the red square of bare soil) gets to work faster and can achieve quicker overall destruction of vegetation than other premium glyphosate products (to the right of the red square and still remaining visibly more active).

Overall, the innovative PROLIANCE QUATTRO formulation consistently matches premium glyphosate products, and has proven more effective in 23% of all trials.

## PROLIANCE QUATTRO brings new benefits for total weed control:

- New, fast acting, high performance glyphosate
- Highly flexible application rate
- Advanced formulation for extra efficacy
- Modern profile for today's industry