



**Pro Shield**  
Protection you can count on.

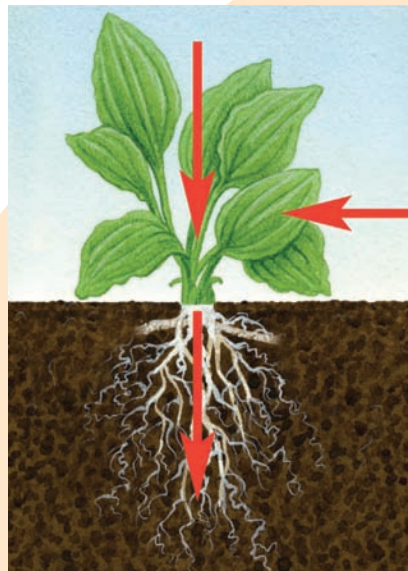
A new pre-emergent  
herbicide that  
protects against  
regrowth

**Scotts**  
*Growing success*

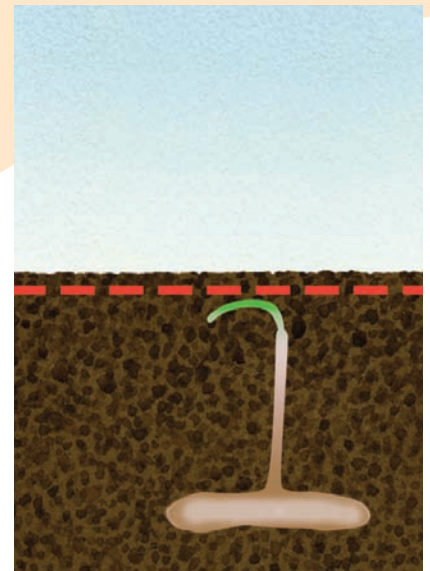


# A potent new tool for the

- One application gives rapid knockdown and kill, whilst barrier action prevents germination for up to 6 months
- For use on gravel and soft surfaces
- Rainfast within 1 hour
- Classified as non-hazardous/non-irritant for the operator
- Contains highly effective, proven new chemistry
- Fast acting due to synergy of two potent actives (effects seen within 8-10 days)



*Glyphosate circulates throughout the entire plant causing rapid knockdown and kill of foliage and roots*



*Diflufenican adheres to the soil surface to form a chemical barrier preventing further weed seed germination*

ProShield has foliar absorbed translocated activity, combined with soil acting properties, providing pre-emergence weed control.

It is applied post-emergence to control a wide range of annual and perennial broad-leaved weeds.

## Mode of Action

The two active ingredients in ProShield have complementary modes of action.

Diflufenican (DFF) is extremely hydrophobic. Once applied, it adheres to the surface and forms a skin or 'barrier' that protects against germination. Because it's hydrophobic, it stays in place preventing weed germination.

Glyphosate is a translocated contact herbicide which is taken up through the foliage and translocated throughout

the whole plant. It has post-emergence activity only, killing seedlings and established weeds.

The two components have a synergistic effect in this formulation, the diflufenican giving the glyphosate faster activity for the initial kill of the weeds.

## Efficacy

ProShield has a wide spectrum of activity giving excellent control of a broad range of problematic weed species. Because of the synergistic effect of the two active ingredients, ProShield will give a faster effect than a straight glyphosate application.

With glyphosate only, effects are normally seen on broad-leaved perennials 14-21 days after application (depending on conditions). With

ProShield, effects are normally seen 8-10 days after application.

With straight glyphosate formulations, weeds soon re-grow after treatment. ProShield however, with its unique diflufenican 'barrier' activity, protects against re-growth and ensures excellent levels of weed control for up to 6 months after treatment.

## Application Rates

ProShield is packed in 5 litre containers. Its ultra-low dose rate is just 4.5 litres per hectare which makes it extremely economical and reduces packaging waste.

## Use Period

Proshield is best applied between March and September.

# armoury in the fight against difficult weeds.

## Areas of use

ProShield can be used on soft and gravel amenity surfaces. These areas include:

- Industrial areas
- Fence lines
- Around obstacles (street furniture signage)
- Beneath pylons
- Road edges
- Tree ringing mature trees
- Open soil areas
- Shrub beds (targeted spot treatment)
- Nurseries (targeted spot treatment)

	Rate of ProShield	Water Volume	Area Treated
Power Sprayer	4.5 ltr	200-600 ltr	1 ha
Knapsack Sprayer	45 ml	2.5-10 ltr	100 m <sup>2</sup>

Glyphosate is well suited to amenity situations and is therefore very widely used. It is known to be readily dissipated in the environment, leaving no harmful residues.

## Environmental Profile

ProShield has an excellent environmental profile owing to the nature of the two active ingredients, which are both well respected herbicides. Upon application, diflufenican moves quickly from water to soil, where it is bound strongly to organic matter. This means that, whilst it remains an active herbicide in the soil, it is unavailable to contaminate the environment via water.

Like all herbicides, it biodegrades into organic components over time.

## Tree Safety

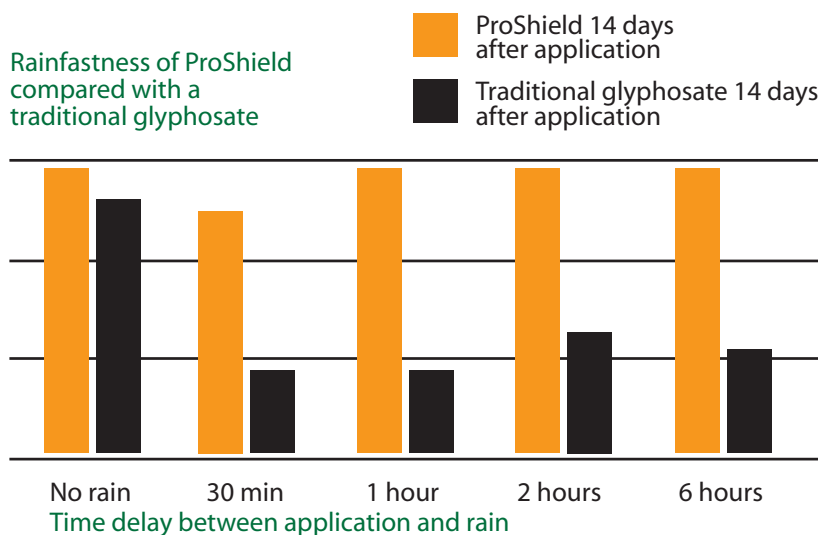
ProShield is completely safe to all mature street trees. It remains near the surface of the soil, and there is little or no lateral movement. ProShield does not, therefore, come into contact with the trees' roots.

## Operator Safety

ProShield is classified as Non-Hazard and Non-Irritant to the operator under Chip 3 and COSHH regulations. It is a water-based, non-solvent formulation.



Rainfastness of ProShield compared with a traditional glyphosate





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'Proshield' contains 250g/l glyphosate and 40g/l diflufenican.

MAPP: 14767

ALWAYS READ THE LABEL: USE PESTICIDES SAFELY.



*Growing success*