

# LockStar®

The **residual,**  
**pre-emergent total**  
**herbicide** for vegetation  
management



**ICL**



# Next-generation weed prevention

The public relies on green spaces, amenity areas and transportation infrastructure, but these are coming under pressure from reduced budgets, weed infestations and a reduction in chemical solutions available on the market.

LockStar helps keep amenity and landscape areas weed-free, functional and visually pleasing. With an innovative, long-lasting formula, it allows professional and safe weed control.

Developed for use by local authorities, councils, highway maintenance, vegetation management contractors and landscapers.

## Innovative new active ingredient

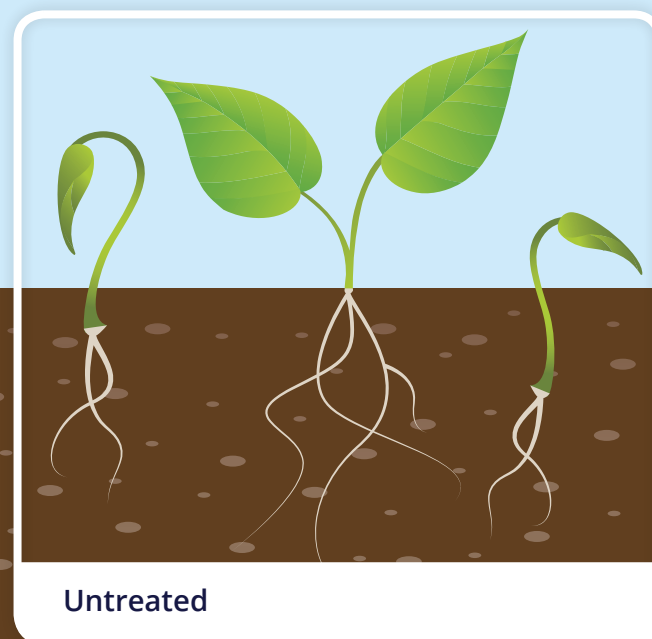
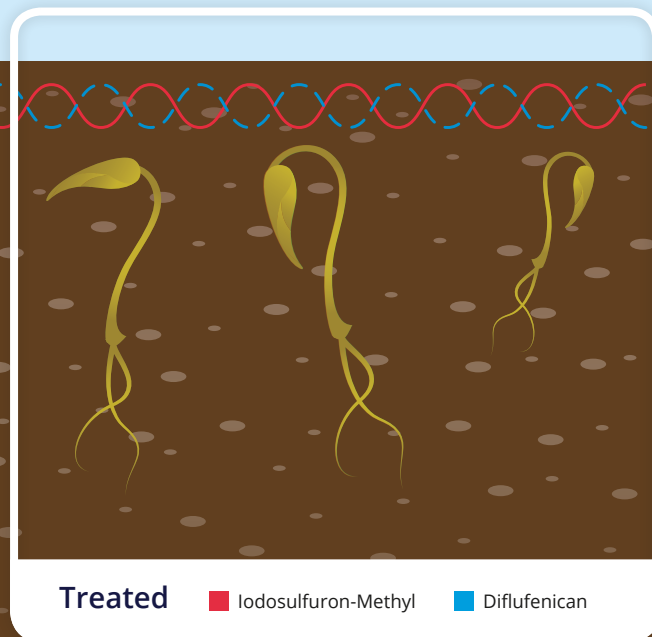
Iodosulfuron, the active ingredient in LockStar, is the first new weed control active ingredient to be released in the UK for many years. A residual, pre-emergent, total herbicide that controls many species of weeds, and when applied prior to germination, LockStar can keep treated surfaces weed-free for up to four months.

### Key points

- ✓ A total, residual, pre-emergent herbicide
- ✓ Contains an innovative new active ingredient
- ✓ Controls a broad spectrum of weeds
- ✓ Residual effect for up to four months
- ✓ Can be tank-mixed with glyphosate or fatty acids for post-emergent control
- ✓ Excellent tool for resistance management
- ✓ The granules dissolve quickly and remain in suspension for at least 24 hours







## How does LockStar work?

When applied before weed germination, LockStar creates a dual barrier at the soil surface (see image above) ensuring that soil is kept weed-free for up to four months.

To control weeds that are already present, LockStar should be tank-mixed with glyphosate or a fatty acid.

LockStar uses the latest generation of water dispersible granules, which means they dissolve in water fast and remain stable in the spray tank for a minimum of 24 hours.

### Areas of use

- ✓ Natural surfaces not intended to bear vegetation
- ✓ Permeable surfaces overlying soil
- ✓ Hard surfaces (railway ballast only)
- ✓ Amenity vegetation (around)

## Product effectiveness

Common weeds controlled by LockStar

Ribwort Plantain

Spiny Sowthistle

Cut-Leaved Crane's-bill

Bristly Oxtongue

Hoary Willowherb

White Clover

Common Dandelion

Annual Meadow-grass

Black Nightshade

Wild Carrot

Persian Speedwell

Black Medic

### Resistance management

Plants can become resistant to active ingredients within products with the same mode of action, which is why LockStar features two different active ingredients. Affecting plants in multiple ways, they give increased longevity compared to products with a single mode of action – useful for users undertaking a resistance management programme.

#### Pre-emergent



#### Post-emergent





## Application notes

- ✓ Always read the product label and information before use
- ✓ Minimise spray drift by using a nozzle that produces a coarse spray (Hypro Polijet AN0.6 or equivalent) or a track-dedicated, low-drift application system
- ✓ Permitted application equipment
  - Handheld sprayer
  - Vehicle mounted boom sprayer
  - Track dedicated low drift system for rail
- ✓ Only apply during correct weather conditions
- ✗ Never apply LockStar in groundwater protection areas
- ✗ LockStar must never be used on non-porous (hard) surfaces

## Application information

Packaging	Application rate	Water rate
500g	500g/ha (One application per year)	300 – 500 L/ha

## When to use LockStar

LockStar can be used all year round but is best applied before the emergence of weeds.  
LockStar can only be applied once per year.

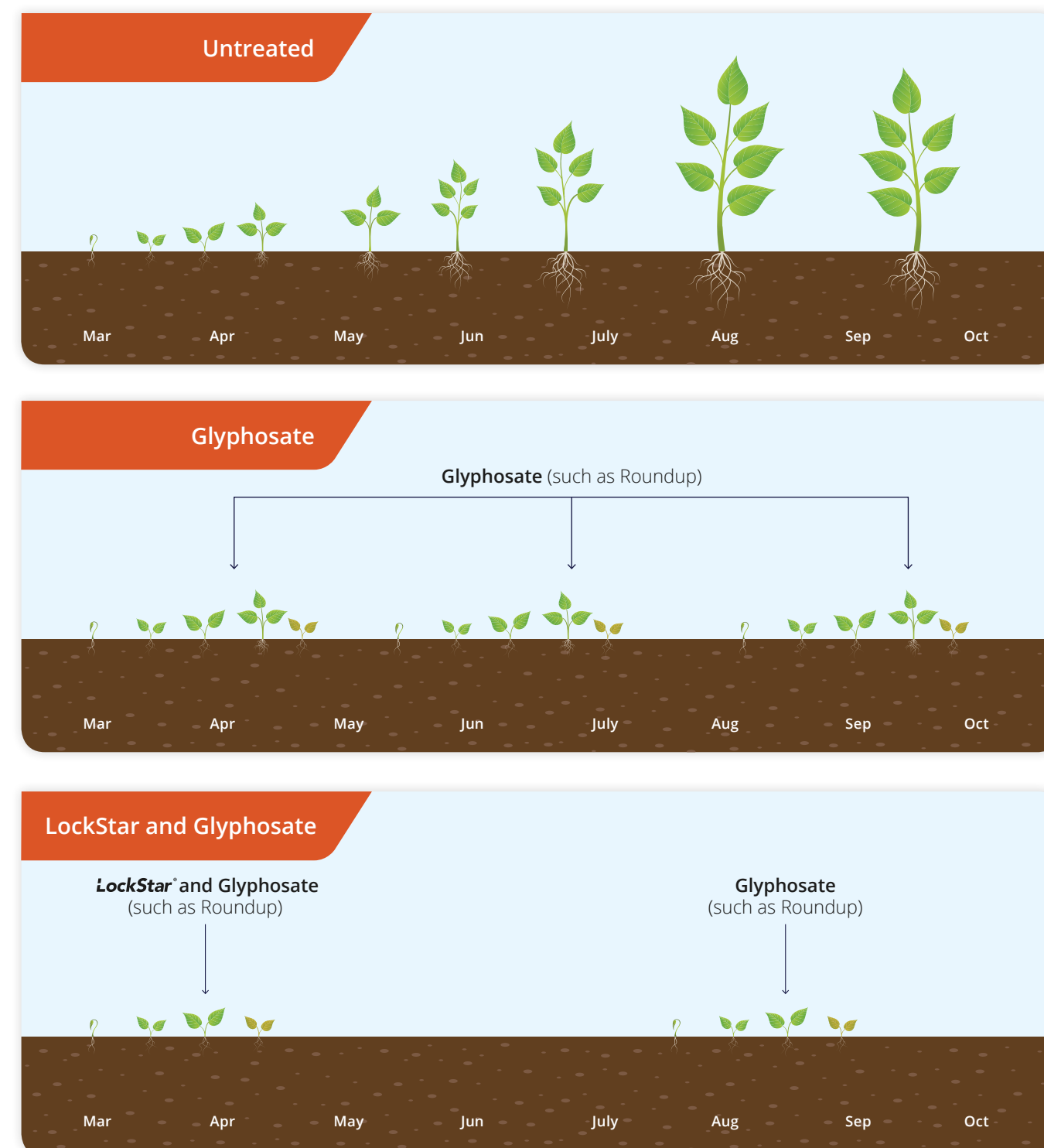
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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## How to prepare and apply LockStar

- 1 Prior to starting treatment, check and calibrate the sprayer.
- 2 Carefully measure the surface area to be treated and accurately calculate the exact amount of spray solution required.
- 3 Half fill the spray tank with water.
- 4 Add the correct amount of LockStar to the spray tank.
- 5 Agitate the mixture.
- 6 Top up water to required amount.

## Suggested post emergent treatment programmes

Compared to conventional weed management programmes, LockStar keeps surfaces clean and weed-free for longer, as well as reducing the number of applications and amounts of herbicide required.





**LockStar** is a registered trademark of ICL Group.  
**LockStar** contains 360g/kg diflufenican and  
10g/kg iodosulfuron-methyl-sodium, a sulfonylurea.  
Always read the label and product information  
before use. MAPP 19101. PCS 06593.

For more information about **LockStar** or any other  
products in the ICL range, please contact the team:

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