



Glyphosate Market Conditions.

Several factors are currently causing a global supply shortage of glyphosate. The shortage is affecting all major markets and is not specific to the UK and Ireland.

The market is experiencing high demand for glyphosate. This is driven by the increase in commodity prices, leading to strong demand from glyphosate users globally. High demand has come at the same time as global production has been impacted by interruptions due to the pandemic and several recent severe storms.

Global stocks were already low prior to these production problems. This is partly a result of the pandemic, as many businesses used up stocks to reduce outgoings. There have also been some problems globally with logistics and transportation of product to where it is needed.

The current high demand of glyphosate means that producers are stepping up production. However, it does take time to satisfy demand, whilst trying to fulfil shortages and build up stocks to previous levels. This process will take some time to achieve.

We are keeping our distribution partners informed of the situation so they can take appropriate steps to help users work through any difficulties and return to normal supplies as soon as possible.

With the pressure on glyphosate production affecting availability and costs currently, there is never a better time to review your product portfolio for complimentary technology to maximise the efficacy of the glyphosate being used. The addition of **Speedway Total** to the tank-mix for maximising efficacy or identifying lower trafficked areas where a residual herbicide e.g. **LockStar** could allow less visits to a sites for weed control needs over a year. This combined approach allows you to fully utilise glyphosate in priority areas and ensure you have product available for when you need it most, whilst the market continues to work towards resolving the current challenges it faces.

Speedway[®] Total

A blend of
surfactants
and spreaders
that enhances
total herbicidal
activity and
uptake.

Where needs take us

AICL

Speedway[®] Total

Speedway Total is a spray adjuvant that contains a blend of surfactants and spreaders. It is designed to enhance the effect of glyphosate and other total and/or non-selective herbicide treatments.

Speedway Total assists herbicide penetration into the leaf cuticle by dissolving the waxy leaf coating. The surfactants and spreaders also aid the treatment spreading properties, reduce the risk of wash-off and increase the herbicidal uptake. It can be used speed up the response from total herbicide treatments and also enhance the uptake and control for difficult to control weeds such as rhododendron, bracken, japanese knotweed, brush wood weeds, nettles and docks, sow thistles and others.

Directions for use

Dilute as appropriate based on the crop situation. Do not exceed maximum concentration rate. Always check a small patch before using, may cause phytotoxic effects on certain crops and/or situations. Do not use with fertilisers or trace elements

Mixing and Spraying

Before use ensure that all spraying equipment is clean. Add half the required volume of water and start agitation, add the required quantity of Speedway Total. Add the plant protection product and fill the tank to the required volume whilst maintaining agitation. Continuous agitation must be maintained until spraying is complete. All application equipment must be thoroughly cleaned with water prior to storage or use on another crop.

Product characteristic

Type:	Liquid
Pack Size:	5 Litre
Pack Outer:	4 x 5 Litre
Pack Coverage:	Varies depending on dilution rate
Contains:	37.0 % w/w alkoxyated alcohols and 41.0 % w/w alkoxyated alcohols
ADJ No:	0820
PCS No:	92459

Key Points

- Adjuvant to enhance total herbicide treatments
- Improves the speed of herbicide kill
- Enhances the uptake of herbicide to help control of difficult weeds
- Allows the reduction of herbicide rates to control “less difficult to control” weeds

Field of use: FOR USE ONLY AS AN EXTENDING, SPREADING AND WETTING AGENT ON

Non-Edible Crops	All plant protection products	Up to 2 % V/V
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Non-Edible Crops Situations includes the following

- Green cover not being used for crop production
- Forestry
- Forest nursery
- Forest which includes commercial forests and any and all woodlands
- Farm forestry
- Industrial Crops

Non-crop production	All plant protection products	Up to 2 % V/V
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Non-Crop Production Situations includes the following

- Industrial and Amenity Areas
- Amenity grassland
- Amenity vegetation
- Managed amenity turf
- Plant Free Areas
- Natural surfaces not intended to bear vegetation
- Permeable surfaces overlying soil such as gravel
- Hard surfaces such as concrete

For maximum number of treatments and latest time of application:
ALWAYS FOLLOW THE STATUTORY CONDITIONS OF USE OF THE PLANT PROTECTION PRODUCT.

Health and safety

A Safety Data sheet is available on request.

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.

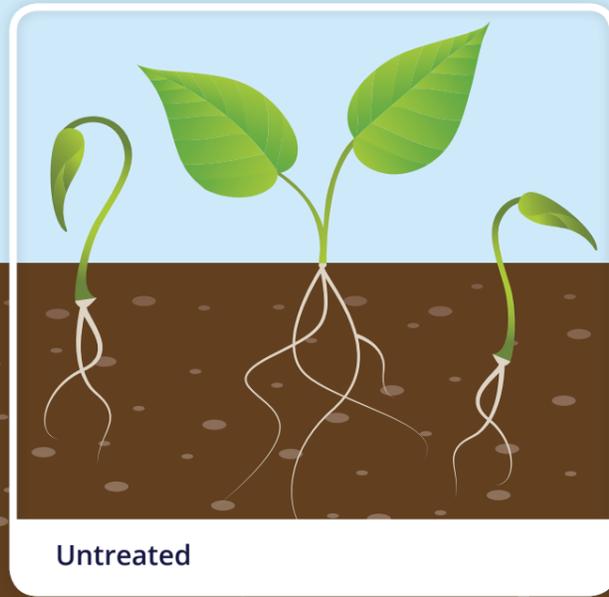
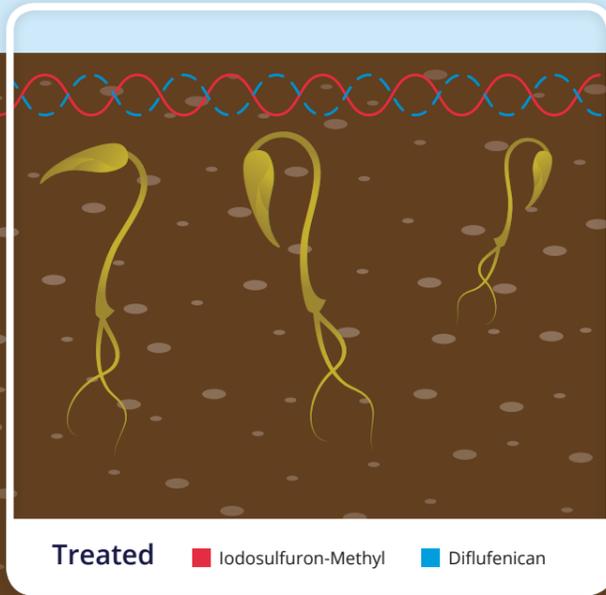
Innovative new active ingredient

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

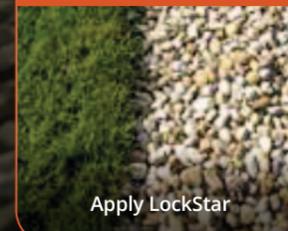
Persian Speedwell

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.

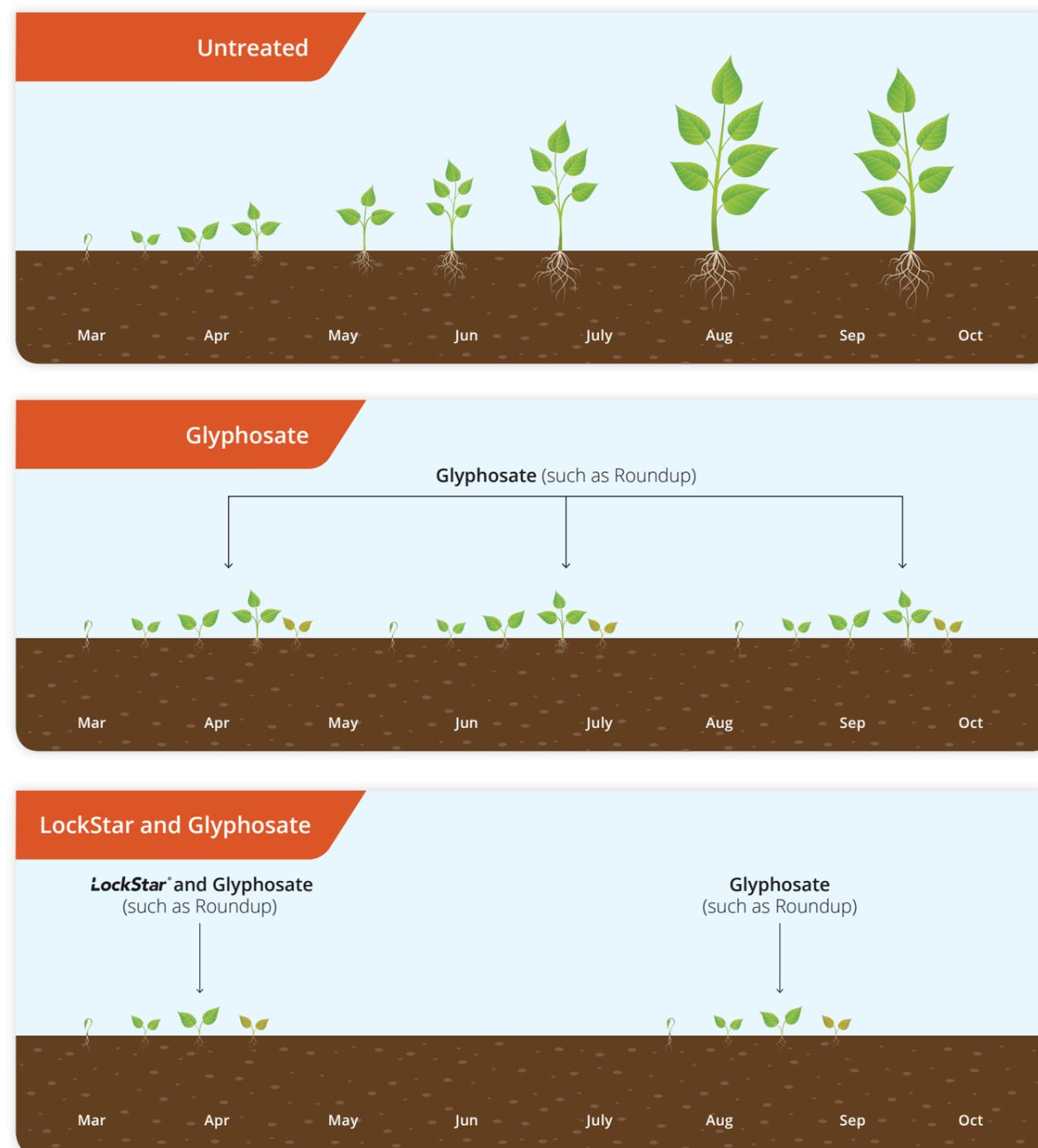
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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How to prepare and apply LockStar

- 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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