



Flurostar[®] XL

A post-emergence herbicide for use on all varieties of winter and spring wheat, barley and oats for the control of a range of broad-leaved weeds

A suspo-emulsion formulation containing 100 g/L fluroxypyr (10.0% w/w) and 2.5 g/L florasulam (0.25 % w/w)

MAPP No.: 18617

**PROTECT FROM FROST
FOR PROFESSIONAL USE ONLY**

Production date / Batch number: see packaging

Important : The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

24-hour emergency number: 0032 14 58 45 45

Contents:

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This label is compliant with the CPA Voluntary Initiative Guidance



For warehouse purpose only.

© Registered trademark of Globachem.

IMPORTANT INFORMATION: FOR USE ONLY AS A PROFESSIONAL HERBICIDE

Crops/Situations:	Maximum individual dose: (L product / ha)	Maximum total dose: (L product / ha / crop)	Latest time of application:
Barley (winter), wheat (winter)	1.8	1.8	Before flag leaf sheath extended (Up to Zadoks 39 inclusive)
Oats (winter)	1.8	1.8	Before second node detectable stage (Up to Zadoks 31 inclusive)
Barley (spring), wheat (spring)	1.5	1.5	Before flag leaf sheath extended (Up to Zadoks 39 inclusive)
Oats (spring)	1.5	1.5	Before second node detectable stage (Up to Zadoks 31 inclusive)

Other Specific Restrictions:

- For autumn planted crops a maximum total dose of 3.75 g of florasulam must not be exceeded for applications made between crop emergence in the year of planting and 1st February in the year of harvest.
- The total amount of florasulam applied to a cereal crop must not exceed 7.5 g a.s./ha.
- This product must not be applied via hand-held equipment.

**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE.
FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.**

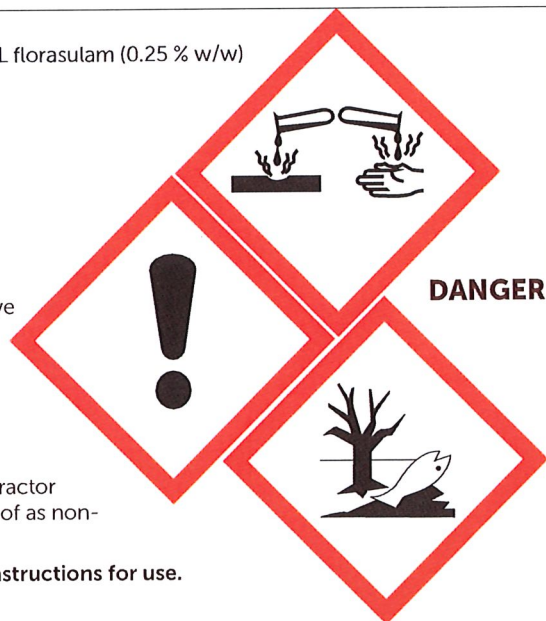
Flurostar® XL

A suspo-emulsion formulation containing 100 g/L fluroxypyr (10.0% w/w) and 2.5 g/L florasulam (0.25 % w/w)

- H315** Causes skin irritation.
- H317** May cause an allergic skin reaction.
- H318** Causes serious eye damage.
- H335** May cause respiratory irritation.
- H336** May cause drowsiness or dizziness.
- H410** Very toxic to aquatic life with long lasting effects.
- P261 Avoid breathing spray.
- P280 Wear protective gloves, eye protection, face protection.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER or doctor/physician.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P363 Wash contaminated clothing before reuse.
- P391 Collect spillage.
- P501 Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

- SP1 Do not contaminate water with the product or its container.



SAFETY PRECAUTIONS

OPERATOR PROTECTION

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

- WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

- WHEN USING DO NOT EAT, DRINK OR SMOKE.
- WASH HANDS AND EXPOSED SKIN before meals and after work.

ENVIRONMENTAL PROTECTION

- DO NOT CONTAMINATE WATER with chemical or used container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.
- To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.
- DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application. Aim spray away from water.
- This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with CRD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.
- Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area.

STORAGE AND DISPOSAL

- KEEP OUT OF REACH OF CHILDREN.
- AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.
- KEEP IN ORIGINAL CONTAINER, tightly closed in a safe place.
- RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely.
- DO NOT RE-USE CONTAINER for any purpose.

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

GENERAL INFORMATION

FLUROSTAR XL can be used on all varieties of winter and spring wheat, barley and oats.

FLUROSTAR XL is mainly absorbed through the foliage of weeds. The ideal timing for application is when the weeds are small and actively growing.

Do not spray when crops are under stress from cold, drought, pest damage, nutrient deficiency etc.

Do not roll or harrow 7 days before or after application.

Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area.

CROP SPECIFIC INFORMATION

WEED SUSCEPTIBILITY AND MAXIMUM SIZE CONTROLLED

Weed	Size controlled
Cleavers*	Flowering
Chickweed	Flowering
Mayweed species	Flowering

*Cleavers which germinate after application will not be controlled

SOIL

FLUROSTAR XL may be used on all soil types.

TIMING

Winter wheat, winter barley

FLUROSTAR XL should be applied from 2 tillers detectable (Zadoks 22) and before the flag leaf sheath extending stage (up to and including Zadoks 39).

Spring wheat, spring barley

FLUROSTAR XL should be applied from 2 tillers detectable (Zadoks 22) and before the flag leaf sheath extending stage (up to and including Zadoks 39).

Winter oats, spring oats

FLUROSTAR XL should be applied from 2 tillers detectable (Zadoks 22) and before the second node detectable stage (Up to and including Zadoks 31).

RATES OF USE

One application of up to 1.8 litres/ha in winter crops or 1.5 litres/ha in spring crops will control all susceptible emerged weeds. A split application may be applied up to a maximum total dose of 1.8 litres/ha (winter crops) or 1.5 litres/ha (spring crops) where weed germination takes place over an extended period.

APPLICATION

FLUROSTAR XL may be applied through tractor-mounted hydraulic sprayers providing they are in good working order and have been calibrated according to the manufacturers' recommendations. Do not apply through CDA applicators.

WATER VOLUME

Apply FLUROSTAR XL in 150 to 250 litres of water per hectare. The lower volume must only be used in open crops on small weeds.

CROP FAILURE AND FOLLOWING CROPS

In the event of a crop failure in the spring with FLUROSTAR XL, only the following crops may be planted: spring wheat, spring barley, spring oats, maize or ryegrass.

Crops that can be sown in the year of treatment with FLUROSTAR XL: Cereals, oilseed rape*, field beans, vegetable brassicas as transplants, grass.

(*Vigour reductions may be seen in following crops of oilseed rape after a dry summer. This will be outgrown and will not result in yield loss).

Crops that can be sown the calendar year following treatment with FLUROSTAR XL:

Cereals, oilseed rape, field beans, carrots, vegetable brassicas as transplants, grass, linseed, peas, sugar beet, potatoes, maize, clover (for use in grass/clover mixtures)

MIXING

Half fill the spray tank with water and add the required amount of FLUROSTAR XL. Fill up the spray tank, agitating continuously to ensure thorough mixing, and maintain agitation until spraying is complete. Use only clean water for mixing.

SPRAY QUALITY

Apply FLUROSTAR XL as a MEDIUM spray as defined by the BCPC system.

TANK MIXTURES

FLUROSTAR XL may be applied in joint application to the same cereal crop with one of the following ALS products:

Ally Max SX	Inka SX
Avro SX	Jubilee SX
Biplay SX	Lorate
Calibre SX	Pinnacle
Chimera SX	Presite SX
Concert SX	Ratio SX
Finish SX	Slalom ¹
Galaxy ¹	Stafane XL ¹
GF-184 ¹	Thor
Harmony M SX	Traton SX
Hunter ¹	

¹The maximum total dose of florasulam applied to the crop must not exceed 7.5 g. For autumn planted crops a maximum total dose of 3.75 g florasulam, must be observed for applications made between crop emergence in the year of planting and February 1st in the year of harvest.

Apart from these specific joint applications FLUROSTAR XL must NOT be applied with or used in sequence with any other product containing an ALS inhibitor, for example amidosulfuron.

Where tank mixes are used, and unless directed otherwise, the preferred order of addition of products to the spray tank is as follows: water dispersible granules, wettable powders, suspension concentrates (flowables), emulsifiable concentrates, solution concentrates. Each product should be added to the half-full sprayer and be fully dispersed before the addition of the next product.

TANK CLEANING PROCEDURE

To avoid subsequent injury to crops other than cereals, all spraying equipment must be thoroughly cleaned both inside and out, using All Clear Extra spray cleaner as follows:

1. Immediately after spraying, drain tank completely. Any contamination on the outside of the spraying equipment should be removed by washing with clean water.
2. Rinse inside of tank with clean water and flush through booms and hoses using at least one tenth of the spray tank volume. Drain tank completely.
3. Half fill tank with clean water and add All Clear Extra at the recommended rate. Agitate and then briefly flush the boom and

- hoses with the cleaning solution. Top up with water making sure the tank is completely full and allow to stand for 15 minutes with agitation. Flush the boom and hoses and drain tank completely.
4. Nozzles and filters should be removed and cleaned separately with All Clear Extra solution containing 50 ml of All Clear Extra per 10 litres of water.
 5. Rinse the tank with clean water and flush through the boom and hoses using at least one tenth of the spray tank volume. Drain tank completely.
 6. For disposal of washings, follow Code of Practice for Using Plant Protection Products. Do not spray onto sensitive crop or land intended for cropping with sensitive crop.

Note: If it is not possible to drain the tank completely, step 3 must be repeated before going onto step 4.

CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use, or the weather conditions before, during or after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded. No responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:



WEBLINK to specific data sheet
on manufacturer's website:

www.belchim.co.uk/pdf/MSDS/FlurostarXL_MSDS.pdf

Alternatively, contact your supplier.

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