

# grassrooter™

A soluble concentrate (SL) formulation containing 480 g/L Ethephon intended for use as a plant growth and development regulator on winter wheat, winter barley and spring barley.

# 5L

**THIS PRODUCT IS FOR PROFESSIONAL USE ONLY**

## SAFETY INFORMATION



### DANGER

**Corrosive to the respiratory tract**  
**Causes severe skin burns and eye damage**  
**May be corrosive to metals**  
**Toxic to aquatic organisms, with long lasting effects.**

Keep out of reach of children.

Do not eat, drink or smoke while using this product.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Immediately take off all contaminated clothing. Rinse skin with water/shower.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Immediately call POISON CENTRE or doctor/physician.

Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

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

Do not contaminate water with the product or its container. (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

PCS No: 06031

#### Precautions

If exposed or if you feel unwell seek medical advice immediately (show the label where possible).

In case of accident, call the 24-hour National Poisons Information Centre:  
Tel.: +353 (0)1 809 2566 or +353 (0) 1 837 9964.

Batch no.: See container

Registration holder: Sharda Cropchem España S.L.  
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Distributed by: Sharda Cropchem España S.L.

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#### Personal safety

When concentrated preparation is used, provide the workplace with easy access to fresh water for possible first aid (for eye rinse or wash of affected skin areas).

Wear suitable Personal Protective Equipment (PPE) to include gloves, overalls, footwear, eye protection and mask suitable for work with chemicals.

Do not use contact lenses during the operation or spraying application of the liquid.

Do not eat, drink or smoke during the operation and after it, until the personal protective work equipment is taken off and hands are carefully washed.

In case of damage of any part of the PPE, stop the work and replace it with undamaged one for good protection.

The preparation is excluded from use in the groundwater and surface water source protection zone of II degree.

Prepare the application liquid (spray mixture) outdoors with sufficient intake of fresh air.

Carry out spraying only in still air conditions or slight breeze, downwind following the wind direction and away from other persons.

After work, leave the treated area immediately. Return into treated areas if possible the next day after application or when spray deposits on leaves' surfaces have completely dried.

ALWAYS take a proper shower after removing personal protective work equipment.

Protective clothing for single use is not used, then wash protective clothing and clean PPE as soon as possible.

Avoid spillage. In case of spillage, remove contaminated clothes and wash skin immediately. If a worker is adequately protected in a fully enclosed cab during the own application, PPE are not necessary. The worker must have at least replacement gloves and glasses at their disposal in the event of equipment failure.

#### Detailed instructions for the protection of individuals who handle the product.

Protection type	Conditions when to apply	Required protection	Suggested Standard for PPE
Respiratory protection	Required if handling the product inside.	Mask against gases and particles	EN 405 +A1
Hand protection	Always required	Rubber or plastic gloves for chemical danger	EN 420 +A1 EN 374 - 1
Eye and face protection	Always required	Protective glasses	EN 166
Body protection	Always required	Protective clothing against liquid chemicals	+ A1 EN 14605 EN 13034 ISO 13688
Extra head protection	Not necessary	N/A	N/A
Extra foot protection	Always required	Occupational or protective footwear i.e. rubber boots	ISO 20346 ISO 20347

Damaged PPE (i.e. torn rubber gloves) are necessary to be immediately replaced.

#### FIRST AID

If exposed or if you feel unwell seek medical advice immediately (show the label where possible).

In case of accident, call the 24-hour National Poisons Information Centre:  
Tel.: +353 (0)1 809 2566 or +353 (0) 1 837 9964.

WHENEVER after contact with eyes, ingestion or contact with skin with undiluted preparation or if other health problems occur, or in case of doubts contact a medical doctor. Person providing first aid must be mindful of his own safety.

**First aid treatment for inhalation:** stop the work. Ensure plenty of fresh air for the affected person. Call the doctor for further assistance.

**First aid treatment after contact with skin:** Take off immediately all contaminated parts of clothing. Remove the watch and/or decorations from affected skin area such as rings, chains. Take off the socks or shoes from the affected lower limbs. Rinse immediately the affected skin areas with warm water at least for 15 minutes, if possible. Cover the burnt skin areas with a sterile bandage after their prior wash and seek medical attention.

**First aid treatment for affected eyes:** flush the eyes with clean running water at least for 15 minutes. If you flush out the affected eye, do not affect the other one with it; liquid must flow down from inner corner of eye to outer one. Quick first aid for the affected eyes is essential for minimisation of consequences. Cover the eyes loosely with a sterile bandage after prior sufficient wash and ALWAYS subsequently seek medical advice.

**First aid measures after accidental person ingestion:** Rinse out mouth with water. Do not induce vomiting. If drinking of water in small amounts brings relief, then provide the affected person with max. 100 – 200 ml of water. Do not give activated carbon. Seek immediately medical support, have the label/ information on the chemical ready for the doctors. Inform about First Aid provided.

### READ THE LABEL CAREFULLY BEFORE USE

Grassrooter is a soluble concentrate formulation to use as a plant growth regulator on winter wheat, winter barley and spring barley. The formulation increases resistance to lodging through shortening and strengthening of the straw. Grassrooter contains the active ingredient 480 g/L Ethephon.

### IMPORTANT INFORMATION

#### Instructions for use

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

#### FOR PROFESSIONAL USE ONLY

Crop	Max. single dose	Max. no. of applications	Max. Total dose	Time of application
Winter wheat, Winter barley, Winter rye & Triticale	1 L/ha	-	1 L/ha	Early boot stage (GS31) to Beginning of heading (GS51)
Spring barley	0.75 L/ha	-	0.75 L/ha	Early boot stage (GS41) to Firstawns visible (GS49)

**Purpose of the use: limitation of growth.**

**For use only as a plant growth regulator.**

**Water volume: 200 L/ha.**

**Application method:** Tractor mounted/trailed sprayer.

Do not treat impaired crop or crop weakened by stress.

Insufficient rinsing of application equipment may cause harm to subsequently treated plants.

Withdrawal period is given by lapse of time between date of application and harvest.

Consult the approval holder before use in crops for propagating purposes.

**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.**

#### Restrictions and precautions

Professional use only.

Method of application: spraying with tractor mounted/trailed horizontal boom sprayer.

Product must not intervene the surrounding vegetation.

The period of application: 2 years after manufacture

Storage temperature: from + 5 °C up to 30 °C

#### Application recommendations

Follow strictly recommended individual dose rate.

Never prepare more spray solution than required. When preparing the mixture, half fill the spray tank with clean water and start agitation. Pour the required quantity of product into the spray tank. Top up the spray tank with water to the required level. Continue agitation until the tank is sprayed out. Spray immediately after mixing.

#### Cleaning and Disposal

All contaminated protective clothing should be washed/cleaned with water or a dilute detergent solution and thoroughly rinsed. Care should be taken not to contaminate watercourses with the contaminated washings.

Drain tank completely immediately after spraying. All application equipment should be immediately triple rinsed with clean water. Rinse inside of the tank with clean water and flush through booms and hoses using at least one-third of the spray tank volume. Half fill tank with clean water, agitate and drain tank completely. Repeat this action again. Any contamination on the outside of the spraying equipment should be removed by washing with clean water.

Empty containers should be rinsed with an integrated pressure rinsing device or manually rinsing three times.

Care should be taken not to discharge the contaminated washings from application equipment and washed containers into waste water channels. Contaminated cleaning liquid should be disposed in accordance with regional waste regulations.

For use of the emptied containers as plant protection products for other purposes is prohibited.

Any unused product should be passed to the entity authorised to receive the hazardous substances.

The empty containers should be returned to the seller of plant protection products or treated as waste.

In case of any doubt contact any seller of plant protection products for the assistance.



**Sharda Cropchem**

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