



## Plant Growth Regulator

# CRISP 750 SL

Reg. No. L 11179 Act No. 36 of 1947

2: 24/05/2022 - May2022

A water-soluble plant growth regulator for the reduction of plant lodging in cereals.

### ACTIVE INGREDIENT

chlormequat chloride 750 g/l

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG



**WARNING**

#### Hazard Statements:

May be corrosive to metals.  
Harmful if swallowed.  
Harmful in contact with skin.  
Causes mild skin irritation.  
Causes serious eye irritation.  
May causes damage to organs (optic nerve, central nervous system).

#### Precautionary Statements:

Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.  
IF exposed or concerned: Get emergency help immediately.

DIRECTIONS FOR USE ENCLOSED

Batch Number:

Date of Manufacture:



**villa**

UN Number: 1760

Registration holder: UNIVERSAL CROP PROTECTION (PTY) LTD.  
Co. Reg. No. 1983/008184/07  
65 Botes Road, Glen Marais, Kempton Park, 1619  
Tel. (011) 396 2233  
Website: [www.villacrop.co.za](http://www.villacrop.co.za)

IN CASE OF POISONING / 24 HR EMERGENCY NUMBERS:  
Griffon Poison Information Centre (National): +27 82 446 8946  
Poison Information Helpline (National): +27 861 555 777  
24 Hr Transport / Spill emergency no: (Hazcall24) +27 86 044 4411  
(Client: Villa Crop Protection)

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**ACTIVE INGREDIENT:**

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**WARNINGS**

<b>Allow the following number of days between the last application and harvest or grazing of the crops listed below:</b>	
Wheat and Barley	49 days

**Hazard statements:**

May be corrosive to metals.
Harmful if swallowed
Harmful in contact with skin.
Causes mild skin irritation.
Causes serious eye irritation.
May causes damage to organs (optic nerve, central nervous system)

- Store under lock and key in a cool place, away from food, feeds, seed, fertilizers and other agricultural remedies.
- Keep out of reach of children, uninformed persons and animals.
- Re-entry: Do not enter treated area until spray deposit has dried unless wearing protective clothing.

**Aerial application:**

Notify all inhabitants in the immediate vicinity of the lands to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate water or adjacent areas.

**Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions, because the action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label as well as by the method, time and accuracy of application. The registration holder further does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned, due to failure of the user to follow the label instructions or to the occurrence of conditions, which could not have been foreseen in terms of the registration. Consult the supplier in event of any uncertainty.**

**PRECAUTIONS****Precautionary statements:**

Keep only in original packaging.
Do not breathe mist or spray.
Wash hands and face thoroughly after handling. Do not touch eyes.
Do not eat, drink or smoke when using this product.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
IF SWALLOWED OR ON SKIN: Get medical help.
IF ON SKIN: Wash with plenty water and non-abrasive soap.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
IF exposed or concerned: Get emergency help immediately.
Rinse mouth.
If skin irritation occurs or eye irritation persists: get medical help.

Take off contaminated clothing and wash it before reuse.
Absorb spillage to prevent material-damage.
Store locked up.
Store in a corrosion resistant container / container with resistant lining.
Dispose of contents/container in accordance with local regulations.

- Avoid contact with skin, eyes and clothing.
- Prevent drift onto other crops, grazing, rivers, dams or areas not under treatment.
- Clean the applicator after use and dispose of wash water where it will not contaminate food, grazing, rivers or dams.
- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three (3) times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler ([www.croplife.co.za](http://www.croplife.co.za)). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.
- Destroy the empty container by perforation and flattening and dispose of it in a safe way.
- **Never** re-use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

<b>Relevant hazardous components</b>	
Chlormequat chloride	750 g/l
Sodium dodecyl benzene sulfonate	< 50 g/l
Methanol	< 100 g/l

#### **FIRST AID TREATMENT**

- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
- **Skin:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. **Seek medical attention.**
- **Eyes:** Flush eyes with clean water for at least 15 – 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. **Seek medical attention if irritation persists.**
- **Ingestion:** **Seek medical attention** or call a poison control centre for treatment advice. Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.

#### **DIRECTIONS FOR USE: Use only as directed.**

##### **Compatibility:**

- Do not apply **CRISP 750 SL** with contact herbicides, dinitro-compounds and corrosive substances.

##### **Application Instructions:**

- **CRISP 750 SL** is a plant growth regulator used for the reduction of lodging in wheat and barley.
- Optimum results will be achieved on vigorous, healthy plants when sprayed under good absorption conditions.
- Apply as foliar spray.
- **CRISP 750 SL** should not be applied shortly before or during rain.
- Apply as an overall application.

##### **Mixing Instructions:**

- Half fill the spray tank with clean water.
- If other products will be tank mixed with **CRISP 750 SL**, the following mixing sequence, as applicable, must be used: buffer/acidifier; wettable powder or granules; suspension concentrate; emulsifiable concentrate; wetter. Thereafter fill the tank to the required volume with clean water while maintaining agitation, to ensure thorough mixing of the spray mixture, before application commences.
- Ensure continuous agitation during mixing and application.

- The spray mixture must be sprayed immediately after mixing. Prepared spray mixture must not be left in the spray tank for any length of time e.g., overnight.

#### **Aerial Application:**

Aerial application of **CRISP 750 SL** may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of SANS Code 10118 (Aerial Application of Agricultural Pesticides). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

- Volume: A minimum spray mixture volume of at least 40 to 50 litres per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aurally at a lower volume rate than recommended above.
- Droplet coverage: 35 to 45 droplets per cm<sup>2</sup> must be recovered at the target area.
- Droplet size: A droplet spectrum with a VMD of 300 to 350 micron is recommended. Limit the production of fine droplets less than 150 micron (high drift and evaporation potential) to a minimum.
- Flying height: Maintain the height of the spray boom at 3 to 4 metres above the target. Do not spray when aircraft dives, is in a climb or when banking.
- Use suitable atomising equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60 to 75 % of the wingspan to prevent droplets from entering the wingtip vortices.
- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8 °C.
- Stop spraying if the wind speed exceeds 15 km per hour.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.
- Spraying under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80 % and above) may lead to the following:
  - reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage),
  - damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure that the aerial spray operator knows exactly which fields to spray.
- Obtain an assurance from the aerial spray operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

#### **APPLICATION DOSAGE RATES**

##### **IMPORTANT**

Refer to “Application Instructions” above.

<b><i>Crop</i></b>	<b><i>Growth Regulating Activity</i></b>	<b><i>Dosage Rate</i></b>	<b><i>Remarks</i></b>
<b><u>Small grains</u></b> Wheat and Barley	Reduction in lodging	2.1 l / ha	Apply when second node is visible (at first stem elongation – 5 to 7 leaf stage), as a foliar spray. <u>Ground application:</u> Apply in 200 to 400 litres water per hectare. <u>Aerial application:</u> Apply in 40 to 50 litres water per hectare.