# SAFETT FREGATIONS 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 PROTECTIVE (FACESHIELD) when handling the concentrate. WHEN USING DO NOT EAT, DRINK OR SMOKE. WASH CONCENTRATE from eyes or skin immediately. DO NOT BREATHE SPRAY. WASH HANDS AND EXPOSED SKIN before eating and drinking, and after work. Environmental protection: 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) To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies Storage and disposal: KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS. KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place. WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank, and dispose of safely. DO NOT RE-USE CONTAINER for any purpose. PROFESSIONAL USE ONLY PROTECT FROM FROST. Triple Rinse Containers , Puncture and Invert to Dry at time of Use READ DIRECTIONS FOR USE ON ATTACHED LEAFLET.

SAFETY PRECAUTIONS

15mm

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### 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

| Crop  | Maximum<br>Individual Dose                 | Maximum<br>Total Dose  | Latest Time of<br>Application                                  |
|---|--|--|--|
| Winter cereals<br>(wheat, barley)               | 0.6 litres product<br>per hectare          | 0.6 litres product<br>per hectare per crop                             | Before flag leaf<br>sheath opening stage<br>(GS45 inclusive)   |
| Winter cereals<br>(Triticale)                   | 0.6 litres product<br>per hectare          | 0.6 litres product<br>per hectare per crop                             | Before flag leaf sheat<br>extending stage<br>(GS 39 inclusive) |
| Rye, winter oats,<br>durum wheat                | 0.6 litres product<br>per hectare          | 0.6 litres product<br>per hectare per crop                             | Before second node<br>detectable stage<br>(GS 31 inclusive)    |
| Spring cereals<br>(wheat, barley)               | 0.45 litre product<br>per hectare          | 0.45 litre product<br>per hectare per crop                             | Before flag leaf sheat<br>extending stage<br>(GS 39 inclusive) |
| Spring Oats                                     | 0.45 litres product<br>per hectare         | 0.45 litres product<br>per hectare per crop                            | Before second node<br>detectable stage<br>(GS 31 inclusive)    |
| Forage maize                                    | 0.6 litre product<br>per hectare           | 0.6 litre product<br>per hectare per crop                              | Before seven leaves<br>unfolding stage                         |
| Newly sown<br>grass leys and<br>grass for seeds | 0.45 litre product<br>per hectare per year | 0.45 litre product<br>per hectare (see Other<br>Specific Restrictions) | GS 32  |

 Other Specific Restrictions:

 A maximum total dose of 0.45 litres per hectare must be observed for applications made to crops between crop emergence in the year of planting and 1<sup>st</sup> February in the year of harvest.

 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.

### NOTES

For best results apply STARANE HI-LOAD HL when weeds are actively growing. In newly-sown crops, seedling and small weeds are more susceptible to STARANE HI-LOAD HL and will respond quicker when treated at this stage. Vigorous crop competition enhances control of the more resistant weeds and prevents weeds which germinate after application from becoming a problem in the crop.

Crops undersown with grass may be sprayed provided the grasses are tillering.

Do not apply to crops undersown with clover or other legume-containing mixtures. STARANE HI-LOAD HL is of low volatility and is therefore not subject to vapour drift.

Do not spray in windy weather and avoid drift onto non-target crops/areas.

Do not treat crops under stress. Stress can be caused by many factors including frost, drought, water-logging, trace element deficiency, disease and pest attack etc. Do not spray if night temperatures are low (<6°C) or if frost is imminent.

STARANE HI-LOAD HL used alone is rain-fast one hour after application. Do not roll or harrow 7 days before or after treatment

Keep livestock out of treated areas for at least 7 days and until poisonous weeds such as ragwort have died and become unpalatable.

Wash equipment thoroughly with water and detergent immediately after use as traces of STARANE HI-LOAD HL can cause harm to susceptible crops sprayed later. MIXING

Add the appropriate amount of STARANE HI-LOAD HL to clean water in a half-filled sprayer tank, mix thoroughly and add the remainder of the water. The spray mix must be used immediately and agitated continuously during mixing and until application is complete.

### VOLUME

Using standard nozzles the recommended spray volume is 70 to 400 litres of water per hectare. The lowest water volume should only be used in very open crops on small weeds. On later applications where the crop is dense, the spray volume should be increased to 400 litres water per hectare. The minimum recommended pressure is 2 to 3 bars. SPRAY QUALITY

Apply STABANE HI-LOAD HL as a MEDIUM spray as defined by the BCPC system.

## MODE OF ACTION AND RESISTANCE MANAGEMENT

MODE OF ACTION AND RESISTANCE INFORMATION FOR A STARANE HI-LOAD HL. Fluroxypyr belor Fluroxypyr is the active substance included in STARANE HI-LOAD HL. Fluroxypyr belor synthetic auxin herbicide family (Group "O" according to HRAC classification). In Euro is no resistance or cross-resistance issue to fluroxypyr of any tested biotype of the su belongs to the Europe, there he susceptible weeds species (cleavers, common chickweed, common hering herine, herid bindweed). The risk of resistance development of broad leaved weeds to fluroxypyr is unlikely and STARANE HI-LOAD HL can be used for controlling all biotypes - including those which are resistant to other modes of actions (e.g. Common chickweed, Common hemp nettle). in order to ender the risk of resistance developing, consider using products of difference of action when carrying out repeat treatments.

### EFFICACY

SANE HI-LOAD HI, controls suscentible broad leaved weeds which are al STARANE HI-LOAD HL controls susceptible broad leaved weeds which emerged. The efficacy is not influenced by the soil type but it is influen species, the weed growth stage (young weeds are more susceptible) -conditions. Efficacy is optimized under good growing conditions. F by cold temperatures (less than 10°C) or

### CEREALS

CROPS AND TIMING

STARANE HI-LOAD HL alone can be applied from two reaf before the following growth stages:

cereals و Spring oats: bef

up to and

hectare mon chickweed imon hemp-nettle

ld forget-me-not ck bindweed lack bindweed enbit dead-nettle ed dead-nettle mon fumitory iotgrass immon field-speedw

dsel ⊰aved speedwe<sup>y</sup> yweed spp ⊴le persicaria

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| duct and rate of use per hectare | 0.45 litre<br>STARANE HI-LOAD HL  |  |
|----------------------------------|-----------------------------------|--|
| leavers                          | 100 mm                            |  |
| common chickweed                 | 100 mm                            |  |
| common hemp-nettle               | 100 mm                            |  |
| ield forget-me-not               | 50 mm                             |  |
| lack bindweed                    | 4 true leaves                     |  |
| common fumitory                  | 2 true leaves                     |  |
| Inotgrass                        | 2 true leaves                     |  |
| Corn spurrey                     | 2 true leaves                     |  |
| roundsel                         |                                   |  |
| Nayweed spp                      |                                   |  |
| 'ale persicari                   | Checked at 2 true leaf stage only |  |
| Redshank                         |                                   |  |
| peedwell s                       |                                   |  |
| nr n ora                         |                                   |  |
| on popp,                         |                                   |  |
| at-hen                           | Resistant                         |  |

# NEW SOWN GRASS LEYS WEET CONTROLLED

Rate of use litres/ha Weed size controlled RATE OF USE AND WATER VOLUME

APPL OF USE AND WATER VOLUME Apply STARANE H1-LOAD HL at 0.45 litre/ha in a spray volume of 200 to 400 litres of water per hectare to give good coverage of the weed.

Use the higher volume of water where weeds, especially common chicky the time of spraying and where the grass is dense.

TIMING Application timing is crucial and STARANE HI-LOAD HL should be applied when weeds are actively growing.

Autumn application Apply STARANE HI-LOAD HL in early autumn when the grasses have at least 3 fully expanded leaves. Best control is achieved if STARANE HI-LOAD HL is applied when the weeds are growing actively.

Spring application Apply STARANE HI-LOAD HL to newly sown spring leys when grasses have at least 3 fully expanded leaves.

### GRASS FOR SEED Autumn application

Apply STARANE HI-LOAD HL in early autumn when the grasses have at least 3 fully expanded leaves (GS 13-32). Best control is achieved if STARANE HI-LOAD HL is applied when the weeds are growing actively.

Spring application

### Apply STARANE HI-LOAD HL to newly sown spring leys when grasses have at least 3 fully expanded leaves (GS 13-32). FORAGE MAIZE

NOTES

Do not apply in tank mix with any other product or if the crop is beyond the nded growth stage.

### Avoid boom overlap

WEEDS CONTROLLED STARANE HI-LOAD HL will control the following weed species. Those germinating after

### eatment will not be controlled

Black nightshade TIMING

> STARANE HI-LOAD HL can be applied from the 3 leaf stage (GS 13) to before the 7 leaves unfolding stage (GS 16).

STARANE HI-LOAD HL at 0.6 L/ha

Do not apply once the buttress roots (side roots) have started to develop on the first

### NEIGHBOURING CROPS

STARANE HI-LOAD HL is of low volatility and is therefore not subject to vapour drift. Do not spray in windy weather and avoid spray drift onto non-target crops. Spray drift can be injurious to various susceptible crops so that a 3-5 m buffer zone must be observed when spraying close to vines, orchards, sunflower, legumes, vegetable crops, ornamentals, linseed, sugar beet, potatoes etc.

### SUCCEEDING CROPS

### Crop failure

n the event of a cereal crop failure the following crops can be sown: Spring cereals spring oilseed rape, maize, onion, cultivated poppies and new leys. A minimum interval of 5 weeks is required and there are no cultivation restrictions.

Rotational crops All crops can be sown following an application of STARANE HI-LOAD HL.

Consider all herbicides used on the treated field before deciding the new crop to be sown For the latest advice please contact Corteva Agriscience or the product supplie

### TANK WASHING

Traces of STABANE HI-LOAD HI, can cause harm to susceptible crops spraved later Carefully instance the bottle after use and pour the rinsing water into the spray tank. Ensure the empty bottle cannot be re-used.

Following use thoroughly wash the spraying equipment. If there is any contamination on the outside of the sprayer wash with clean water. Rinse the inside of the spray tank with clean water and pump through spray pipes and nozzles to remove any contamination. Re-fill spray tank with a minimum of 10% of the total spray tank volume and re-circulate water for approximately 10 minutes. Safely dispose of spray rinse water.

### Dispose of empty containers responsibly.

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which proprietary rights may exist **Corteva Agriscience 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



os://www.corteva.ie/content/dam/dpagco/ files/sds/STARANE-HILOAD-IRL-SDS.pdf

Alternatively contact your supplier

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