

UNIVERSE

An Emulsifiable Concentrate (EC) formulation containing Fluroxypyr (100 g/L), Clopyralid (80 g/L) and Florasulam (2.5 g/L) for use as an agricultural herbicide on cereal crops

5L



**FOR USE ONLY AS AN AGRICULTURAL HERBICIDE
FOR PROFESSIONAL USE ONLY**

SAFETY INFORMATION



DANGER

May be fatal if swallowed and enters airways.

Cause skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Harmful if inhaled.

Very toxic to aquatic life with long lasting effects.

Wear protective gloves / protective clothing / eye protection.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN: Wash with soap and water.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

Do NOT induce vomiting.

Collect spillage.

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.

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

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

UFI - 9F5J-WJQS-NG0X-336J

PCS No: 06493

Safety precautions:

Operators must wear suitable protective clothing (coveralls), suitable protective gloves and face protection (face shield) when handling the concentrate.

Operators must wear suitable protective gloves when handling contaminated surfaces.

Do not breathe spray.

When using do not eat, drink or smoke.

Wash hands and exposed skin before eating, drinking or smoking and after work.

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.

Edificio Atalayas Business Center,

Carril Condomina nº 3, 12th Floor, 30006

Murcia, Spain

Phone no.: +34 868 12 75 89

Distributed by: Sharda Cropchem España S.L.

Emergency no.: In the event of emergency, call the National Poisons

Information Centre, Beaumont Hospital at 01 809 2166 or 01 837 9964

Registered logos of Sharda Cropchem Ltd.

Storage and disposal:

Keep out of reach of children.
 Keep away from food, drink and animal feeding stuffs.
 Keep in original container, tightly closed in a safe place.
 Do not re-use container for any purpose.
 Protect from frost.

Instructions for use:**FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL HERBICIDE**

Crop	Max. single dose	Max. no. of applications	Max. total dose	Latest time of application
Barley, Durum wheat, Wheat, Rye (winter), Triticale	1 L/ha	1 per year	1 L/ha	Before flag leaf detectable stage (before GS 39)
Oats, Rye (spring)	1 L/ha	1 per year	1 L/ha	Before second node detectable stage (before GS 32)

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.

SHAKE WELL BEFORE USE

Method of application: Tractor mounted/trailed sprayer

Specific restrictions:

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

Important information:

- The effectiveness of UNIVERSE may be reduced when soils are very dry.
- Avoid overlapping spray bouts.
- Do not use any plant material treated with UNIVERSE for composting or mulching.
- Do not use manure from animals fed on crops treated with UNIVERSE for composting.
- 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.
- Take extreme care to avoid drift onto crops and non-target plants outside the target area.

Resistance:

UNIVERSE contains fluroxypyr, clopyralid and florasulam. Fluroxypyr and clopyralid are pyridine carboxylic acids (Group O, HRAC classification), whereas florasulam is an ALS inhibitor (Group B, HRAC classification). There is no identified resistance to fluroxypyr and clopyralid, but populations of *Stellaria media*, *Papaver rhoeas* and *Matricaria* spp. have been found to be resistant to Group B herbicides. As florasulam is an ALS inhibitor there is a risk of resistance developing to this active ingredient, and so precautions should be taken to minimise the risk. Avoid using herbicides with a single mode of action, such as ALS herbicides, in the same field over a number of years. Apply products containing active substances with different modes of action to UNIVERSE, or use sequences or tank mixtures where two or more components are active against the target weeds.

Following crops:

- Bale and cart away the straw to avoid residues of UNIVERSE by the time of planting the following crops.
- Where the straw is chopped and incorporated, do not plant winter beans in the same year as treatment with UNIVERSE.
- Crops that can be sown in the same year as a crop treated with UNIVERSE are cereals, oilseed rape, grass and vegetable brassicas as transplants.
- Crops that can be sown in the same calendar year following treatment with UNIVERSE are cereals, oilseed rape, field beans (see above), grass, linseed, peas, sugar beet, potatoes, maize, clover (for use in grass/clover mixtures), carrots and vegetable brassicas (transplants).

Joint application:

- Joint applications should only be made in line with the label recommendations of every product in the application.
- A joint application with another product containing florasulam should be made provided that the maximum total dose of florasulam does not exceed 7.5 g.
- Only one other product containing an active substance with an ALS-inhibitor mode of action should be used together with UNIVERSE in a joint application.

Mixing and tank mixtures:

- Apply UNIVERSE in 80 to 250 L water/hectare.
- Half fill the spray tank with water and add the required amount of UNIVERSE. Fill up the spray tank, agitating continuously to ensure thorough mixing, and maintain agitation until spraying is complete.
- Apply UNIVERSE as a MEDIUM spray as defined by the BCPC system.
- In tank mixtures, the preferred order of addition of products to the spray tank is 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:

All spraying equipment must be thoroughly cleaned both inside and out, using a proprietary spray cleaner as follows:

1. Immediately after spraying, thoroughly and completely rinse all internal surfaces.
2. Rinse inside of tank with clean water and flush through booms and in-line strainers using at least one tenth of the spray tank volume. Drain tank completely.
3. Fill tank with clean water (minimum 10% of tank capacity), add tank cleaner at the recommended rate and agitate for 15 minutes. Flush the boom and hoses and drain tank completely.
4. Nozzles and filters should be removed and cleaned separately with All Clear Extra solution (50 ml of solution/10 L 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.

NOTE: if it is not possible to drain the tank completely, Step 3 must be repeated before Step 4.

Specific pest controlled:

Weed	Maximum weed size controlled
Cleavers	120-150 mm
Common chickweed	100 mm
Scented mayweed	200 mm
Scentless mayweed	200 mm
Volunteer oilseed rape	4 true leaves
Wild radish (Runch)	50 mm