



LECTOR

MAPP 18728

A suspension concentrate formulation containing 50 g/l (4.81% w/w) florasulam for the control of cleavers and other broad leaved weeds in winter wheat, winter barley, rye, triticale, winter oats, spring wheat, spring barley and spring oats.

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

Pack size: 100 ml – 5 L

Batch No.: XXXXX

PROTECT FROM FROST

SHAKE WELL BEFORE USE

Authorisation Holder & Marketing Company

Nufarm UK Limited
Wyke Lane, Wyke, Bradford, West Yorkshire,
BD12 9EJ
United Kingdom

Technical Helpline telephone number +44 (0)1274 694714
24-hour emergency telephone number +44 (0)1274 696603



WARNING

Very toxic to aquatic life with long lasting effects.

Collect spillage.

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.

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

Contains 1,2-Benzisothiazolin-3-one. May produce an allergic reaction.

**IMPORTANT INFORMATION
FOR USE ONLY AS A PROFESSIONAL HERBICIDE**

Crop	Maximum Individual Dose (ml product/ha)	Maximum total dose (ml product/ha/year)	Maximum number of treatments:	Latest Time of Application
Winter wheat, barley, rye, triticale and oats	150	150	-	Up to and including flag leaf ligule just visible stage (GS 39 inclusive)
Spring wheat, barley and oats	150	150	-	Up to and including flag leaf ligule just visible stage (GS 39 inclusive)

Other Specific Restrictions:

The maximum total dose of florasulam applied to a cereal crop must not exceed 7.5 g.

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.

SAFETY PRECAUTIONS

Operator Protection

WHEN USING DO NOT EAT, DRINK OR SMOKE.

Environmental Protection

DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container.

Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

Storage and Disposal

STORE IN THE ORIGINAL CONTAINER in a cool, dry, well-ventilated place.

PROTECT FROM EXCESSIVE HEAT AND COLD.

DO NOT STORE NEAR FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

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.

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.

RESTRICTIONS

- 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 Failure

In the event of crop failure in the spring after an application of LECTOR®, only the following crops may be planted following cultivation to 20 cm: Spring wheat, spring barley, spring oats, maize or ryegrass.

WEEDS CONTROLLED

Autumn application

LECTOR® is most effective when applied to small, actively growing weeds. Larger weeds may be less susceptible. For optimum performance, it is important to check the size of weeds before application.

Rate of Use	75 ml/ha	50 ml/ha
Cleavers*	25 mm	25 mm
Common chickweed	50 mm	30 mm
Scented mayweed	50 mm	30 mm
Scentless mayweed	30 mm	30 mm
Volunteer oilseed rape	80 mm	60 mm

* Moderately susceptible

Spring application

LECTOR® is most effective when applied to small, actively growing weeds up to 4 true leaves. Larger weeds may be less susceptible. For optimum performance, it is important to check the size of weeds before application.

Rate of Use	150 ml/ha	100 ml/ha	50 ml/ha
Cleavers	up to 500 mm	200 mm	-
Common chickweed	-	flowering	6 true leaves
Hedge mustard	-	100 mm	-
Scented mayweed	-	Flower buds visible	Rosette stage
Scentless mayweed	-	Flower buds visible	Rosette stage

Shepherd's purse	-	100 mm	-
Volunteer oilseed rape	-	Before flower buds visible	4 true leaves
Wild radish (Runch)	-	100 mm	-

WEED RESISTANCE

Florasulam is an ALS inhibitor. Herbicide Resistant Weeds Classification (HRAC), B.

Avoid using herbicides with a single mode of action, such as ALS herbicides, in the same fields over a number of years. Growers should apply products containing herbicides with different modes of action or use sequences or tank mixes where two or more components are active against the target weeds.

CROP SPECIFIC INFORMATION

LECTOR® can be applied in the spring and autumn on all varieties of winter wheat, barley, oats, triticale and rye and spring wheat, barley and oats.

AUTUMN APPLICATION

WINTER WHEAT, BARLEY, OATS, RYE & TRITICALE

Application Rate: One application of up to 75 ml/ha will control all susceptible emerged weeds.

Application Timing: Apply in the autumn once the crop has reached 3 leaves (GS 13), up to and including flag leaf ligule just visible stage (GS 39 inclusive).

Water volume: 150 - 300 L water/ha. The lower volume must only be used in open crops on small weeds.

SPRING APPLICATION

WINTER WHEAT, BARLEY, OATS, TRITICALE, RYE, SPRING WHEAT, BARLEY AND OATS

Application Rate: One application of up to 150 ml/ha will control all susceptible emerged weeds. A split application may be applied up to a maximum total dose of 150 ml/ha where weed germination takes place over an extended period.

Application Timing: Apply in the spring once the crop has reached 3 leaves (GS 13), up to and including flag leaf ligule just visible stage (GS 39 inclusive).

Water volume: 150 - 300 L water/ha. The lower volume must only be used in open crops on small weeds.

JOINT APPLICATION

A joint application is the use of a product in tank mixture or sequence with another product.

IMPORTANT NOTE: joint applications should only be made within the label recommendations of every product in the application. Only one other product with an ALS inhibitor mode of action may be applied to a cereal crop treated with LECTOR®. However, a further application of LECTOR® or another product containing florasulam may also be made **providing the maximum total dose of florasulam is not exceeded***. LECTOR® may be applied in joint application to the same cereal crop with one of the following ALS products.

Absolute	Iodosulfuron-methyl sodium (Hussar MAPP 12364)
Accurate	Jubilee SX
Accurate Extra	Klaxon
Ally Express	Lancer
Ally Max SX	Lexus Class
Avro SX	Lexus Millenium
Biplay SX	Lexus SX
Bofix FFC *	Lorate
Boxer *	mesosulfuron-methyl + iodosulfuron-methyl sodium (Pacifica MAPP 12049, Atlantis WG MAPP 12478, Hatra MAPP 14524, Horus MAPP 14514, Octavian MAPP 14604)

Broadway Star*	mesosulfuron-methyl + iodosulfuron-methyl sodium + diflufenican (Othello MAPP 12695)
Broadway Sunrise	Nuance
Bullion	Oklar SX
Calibre SX	Oriel SX
Chimera SX	Pelican Delta
Concert SX	Pinnacle
Finish SX	Presite SX Ratio SX
Galaxy *	Slalom *
GEX 353	Starane Gold *
GF-184 *	Starane XL *
Harmony M SX	Starane Vantage *
Hiker *	Thor
Hunter *	Traton SX
Inka SX	

* The maximum total dose of florasulam applied to the crop must not exceed 7.5g. For autumn planted crops a maximum total dose of 3.75g of 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 LECTOR® must NOT be applied with any other product containing an ALS-inhibitor, for example amidosulfuron.

SOIL

LECTOR® is mainly absorbed by the leaves of the weeds and as such can be applied on all soil types.

FOLLOWING CROPS

Crops that can be sown in the same year as a crop treated with LECTOR® is harvested: cereals, oilseed rape, field beans, grass and vegetable brassicas as transplants. (Vigour reductions may be seen in the following crops of oilseed rape after a dry summer. This will be outgrown and will not result in yield loss).

Only the following crops can be sown in the calendar year following treatment with LECTOR®: Cereals, oilseed rape, field beans, grass, linseed, peas, sugar beet, potatoes, maize, clover (for use in grass/clover mixtures), carrots and vegetable brassicas as transplants.

Take extreme care to avoid drift onto crops and non-target plants outside the target area.

MIXING

Half fill the spray tank with clean water and add the required amount of LECTOR®. Add the remainder of the water and continue agitation until spraying is completed.

When tank mixes are to be 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, solution concentrate. Each product should be added separately to a half-filled spray tank and fully dispersed before the addition of the next product.

LECTOR® may be applied through tractor-mounted hydraulic sprayers and knapsack sprayers providing they are in good working order and have been calibrated according to the manufacturers' recommendations.

Do not apply through CDA applicators.

Apply LECTOR® as a MEDIUM spray as defined by the BCPC system.

TANK CLEANING PROCEDURE

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

1. Immediately after spraying drain the tank completely. Any contamination on the outside of the spraying equipment should be removed by washing with clean water.
2. Rinse inside the 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 the tank with clean water and add the ammonium based cleaner at the recommended rate. Agitate and then briefly flush through the booms 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 booms and hoses and drain tank completely.
4. Nozzles and filters should be removed and cleaned separately with the ammonium based cleaning solution containing 50 ml of the ammonium based cleaner per 10 litres of water.
5. Rinse the tank with clean water and flush through the booms and hoses using at least one tenth of the spray tank volume. Drain tank completely.
6. For disposal of washings follow the Code of Practice for Using Plant Protection Products. Do not spray on to sensitive crops or land intended for cropping with sensitive crops.

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

COMPANY ADVISORY INFORMATION

This section is not part of the Product Label under the Plant Protection Products Regulations 2011. It provides additional advice on use of the product

ACKNOWLEDGMENTS

LECTOR® is a registered trademark.

CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and we believe them to be suitable but (as we cannot exercise any control over their mixing or use) all conditions and warranties, statutory or otherwise, as to the quality and fitness for any purpose of our goods are excluded, except in so far as such exclusion is prevented by law, and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use. This product is to be used only in accordance with the recommendations and instructions given on the labels provided with this pack. Use in any other circumstances is entirely at users risk.