



LECTOR DELTA

MAPP XXXXX

A suspension concentrate formulation containing 500 g/l (41.3% w/w) diflufenican and 50 g/l (4.13% w/w) florasulam for the control of cleavers and other broadleaved weeds in winter wheat, winter barley, rye, triticale and spring barley.

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

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WARNING

Very toxic to aquatic life with long lasting effects.

Avoid release to the environment.

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 HERBICIDE**

Crop	Maximum Individual Dose (ml product/ha)	Maximum total dose (ml product/ha/year)	Maximum number of treatments:	Latest Time of Application	Aquatic buffer zone distance (m)
Winter wheat, barley, rye and triticale	100	100	-	Up to and including 2nd node detectable stage (GS 32 inclusive).	5
Spring barley	100	100	-	Up to and including 2nd node detectable stage (GS 32 inclusive).	6

Other Specific Restrictions:

- The maximum total dose of florasulam applied to a cereal crop must not exceed 7.5 g.
- The maximum amount of florasulam applied in the Autumn must not exceed 3.75g.

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

Environmental Protection

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within the distance specified for the crop to the top of the bank of a static or flowing water body, or within 1 m of the top of a ditch which is dry at the time of application. For crops with 5m buffer zone only: DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall with 1 m of the top of the bank of a static or flowing water body. Aim spray away from water. ALL CROPS WITH A BUFFER ZONE GREATER THAN 5M ARE NOT ELIGIBLE FOR BUFFER ZONE REDUCTION UNDER THE LERAP HORIZONTAL BOOM SPRAYERS SCHEME.

This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with CRD's published guidance or the statutory buffer zone as appropriate to the crop must be maintained. BUFFER ZONES OF MORE THAN 5M ARE NOT REDUCIBLE. The results of the LERAP must be recorded and kept available for three years.

When used on crops/situations with a greater than 5m aquatic buffer zone this product must not be applied via hand-held equipment.

To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies (Ireland only).

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.

Extreme care must be taken to avoid spray drift onto crops and non-target plants outside the target area.

Storage and Disposal

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place away from damp/sources of heat.

KEEP AWAY FROM 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. Empty 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 DELTA[®], only the following crops may be planted following cultivation to 20 cm: Spring wheat, spring barley or spring oats.

WEEDS CONTROLLED

Autumn application

LECTOR DELTA[®] 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	Weed control at 75 ml/ha
Black bindweed	Susceptible
Charlock	Susceptible
Cleavers	Susceptible
Common chickweed	Susceptible
Common hemp-nettle	Susceptible
Common poppy	Susceptible
Fat-hen	Moderately resistant
Field forget-me-not	Susceptible
Field pansy	Susceptible
Field pennycress	Susceptible
Groundsel	Susceptible
Henbit deadnettle	Susceptible
Knotgrass	Susceptible
Mayweeds	Susceptible
Red deadnettle	Susceptible
Redshank	Moderately susceptible
Shepherd's purse	Susceptible
Speedwell	Susceptible
Toad Rush	Susceptible
Volunteer oilseed rape	Moderately resistant

Wild pansy	Susceptible
Willowherb	Susceptible

Spring application

LECTOR DELTA® 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	Weed control at 100 ml/ha
Black bindweed	Susceptible
Charlock	Susceptible
Cleavers	Susceptible
Common chickweed	Susceptible
Common hemp-nettle	Susceptible
Fat-hen	Moderately resistant
Field forget-me-not	Susceptible
Field pansy	Susceptible
Field pennycress	Susceptible
Mayweeds	Susceptible
Red deadnettle	Moderately susceptible
Redshank	Moderately susceptible
Shepherd's purse	Susceptible
Speedwell	Moderately resistant
Volunteer oilseed rape	Susceptible
Wild pansy	Susceptible

WEED RESISTANCE

Florasulam is an ALS inhibitor. Herbicide Resistant Weeds Classification (HRAC), B.
 Diflufenican is a Pyridinecarboxamide. Herbicide Resistant Weeds Classification (HRAC), F1.

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.

Do not apply to weeds where target site resistance to ALS inhibiting herbicides is confirmed.

Always follow the recommendations of the Weed Resistance Action Group (WRAG) with respect to the integration of chemical and cultural control measures

CROP SPECIFIC INFORMATION

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

AUTUMN APPLICATION

WINTER WHEAT, WINTER BARLEY, RYE & TRITICALE

Application Rate:	One application of up to 75 ml product/ha will control all susceptible emerged weeds.
Application Timing:	Apply once in the autumn when the crop has reached 2 leaves (GS 12), up to and including 2 nd node detectable stage (GS 32 inclusive).
Water volume:	150 - 300 L water/ha.

SPRING APPLICATION

WINTER WHEAT, TRITICALE, RYE AND WINTER AND SPRING BARLEY

Application Rate:	One application of up to 100 ml product/ha will control all susceptible emerged weeds.
Application Timing:	Apply in the spring from the beginning of tillering (GS 20) up to and including 2 nd node detectable stage (GS 32 inclusive).
Water volume:	150 - 300 L water/ha.

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 DELTA[®]. However, a further application of LECTOR DELTA[®] or another product containing florasulam may also be made **providing the maximum total dose of florasulam is not exceeded***. LECTOR DELTA[®] 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	Lancer
Ally Express	Lexus Class
Ally Max SX	Lexus Millenium
Avro SX	Lexus SX
Biplay SX	Lorate
Boxer *	mesosulfuron-methyl + iodosulfuron-methyl sodium (Pacifica MAPP 12049, Atlantis WG MAPP 12478, Hatra MAPP 16190, Horus MAPP 16216, Octavian MAPP 14604)
Broadway Star*	mesosulfuron-methyl + iodosulfuron-methyl sodium + diflufenican (Othello MAPP 16149)
Broadway Sunrise	Nuance
Bullion	Oklar SX
Calibre SX	Oriel SX
Chimera SX	Pelican Delta
Concert SX	Pennant
Finish SX	Pinnacle

Galaxy *	Presite SX Ratio SX
GF-184 *	Slalom *
Harmony M SX	Starane XL *
Hunter *	Thor
Inka SX	Traton SX

*The maximum total dose of florasulam applied to the crop must not exceed 7.5g. the maximum amount of florasulam applied in the Autumn must not exceed 3.75g. Apart from these specific joint applications LECTOR DELTA® must NOT be applied with any other product containing an ALS-inhibitor, for example amidosulfuron.

FOLLOWING CROPS

Crops that can be sown in the same year as a crop treated with LECTOR DELTA® is harvested: cereals, oilseed rape, field beans 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).

Crops that can be sown in the calendar year following treatment with LECTOR DELTA®: Cereals, oilseed rape, field beans, grass, peas, sugar beet, potatoes, maize, and vegetable brassicas as transplants.

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

Occasionally seedlings of brassica crops may exhibit slight discolouration of the cotyledons, which is normally outgrown without affecting subsequent growth. Where diflufenican containing products are applied to successive cereal crops, levels of diflufenican will build up in the soil. Even with ploughing to 150mm and thorough mixing of the soil, there may still be a risk of damage to following crops of onions, leeks, other allium crops and clover. As a precaution, users who rent out their land to growers of these crops should not use diflufenican containing products in successive years before renting out that land.

WATER VOLUME

Apply LECTOR DELTA® in 150-300 l/ha of water.

MIXING

Half fill the spray tank with clean water and add the required amount of LECTOR DELTA®. 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.

Apply LECTOR DELTA® 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 an ammonia based 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.

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 DELTA® 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.