

SAFETY PRECAUTIONS

Operator protection:

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

- Operators must wear suitable protective clothing (coveralls), suitable protective gloves and face protection (faceshield) 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 and drinking or smoking and after work.

IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).

Environmental protection:

Do not contaminate water with the product or its container. (Do not clean application equipment near surface water / Avoid contamination of drains from yards and roads)

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

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

Livestock must be kept out of treated areas. If RAGWORT IS PRESENT, FOLLOW THE GUIDANCE IN THE 'DIRECTIONS FOR USE'.

Storage and disposal:

KEEP OUT OF REACH OF CHILDREN AND ANIMAL FEEDINGSTUFFS. KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS. 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.



PCS No. 06356
 A multifunctional concentrate containing 180g/litre of diflufenican, 2.5g/litre florasulam and 144g/litre of fluroxypyr-methyl (100g/litre acid equivalent).
 A post-emergence herbicide for use on GRASSLAND, GRASS FOR SEED, MAIZE, WINTER AND SPRING WHEAT, BARLEY AND OATS, WINTER and SPRING RYE, WINTER TRITICALE and DURUM WHEAT for the control of broad-leaved weeds.

PROFESSIONAL USE ONLY
READ DIRECTIONS FOR USE ON ATTACHED LEAFLET
SHAKE WELL BEFORE USE
PROTECT FROM FROST.

Triple Rinse Containers, Puncture And Invert To Dry At Time Of Use

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IMPORTANT INFORMATION.

FOR USE ONLY AS A PROFESSIONAL HERBICIDE

Situation: Grassland (established), Grassland (newly sown), Grassland (seed), Forage maize, Winter and Spring Wheat, Winter and Spring barley, Winter and Spring Oats, Winter and Spring Rye, Winter Triticale and Durum Wheat

Maximum Individual Dose:)

Maximum Number of Applications:) Full details are given in the Important Information area on the attached leaflet

Latest Timing of Application:)

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.



**Esteem™
Danger**

**Very toxic to aquatic life with long lasting effects.
May be fatal if swallowed and enters airways.**

**Causes skin irritation.
May cause an allergic skin reaction.**

**Causes serious eye irritation.
Harmful if inhaled**

Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of water.
IF INHALED: Remove 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.

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

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

PCS No. 06356



EU 513

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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 this product.

IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL HERBICIDE

Situation	Maximum Individual Dose	Maximum Number of Applications	Latest Time of Application
Grassland (established)	2.0 L/ha	One per year (See other Specific Restrictions 1, 2 & 5)	End of September and 7 days prior harvest
Grassland (Newly sown)	1.0 L/ha	One per year (See other Specific Restrictions 1, 2 & 5)	End of August and 7 days prior harvest
Grassland (seed)	1.0 L/ha	One per year (See other Specific Restrictions 1, 2 & 5)	End of September and 7 days prior harvest
Forage maize	1.0 L/ha	One per year (See other Specific Restrictions 4 & 5)	Before 7 leaves unfolded and before 31 st May
Winter wheat, winter barley, winter rye, winter triticale	1.0 L/ha	One per year (See other Specific Restrictions 3 & 6)	Before flag leaf detectable stage (before GS 39)
Spring wheat, spring barley, durum wheat	1.0 L/ha	One per year (See other Specific Restrictions 3 & 6)	Before flag leaf detectable stage (before GS 39)
Winter oats, spring oats, spring rye	1.0 L/ha	One per year (See other Specific Restrictions 3 & 6)	Before second node detectable stage (before GS 32)

Other specific restrictions:

- Livestock must be kept out of treated areas for at least 7 days following treatment. IF RAGWORT IS PRESENT, FOLLOW THE GUIDANCE IN THE 'DIRECTIONS FOR USE'
- Application to any grass crop must not be made before February 1st
- Application to cereal crop must be made between February 1st and June 30th
- To protect surface water, application to forage maize must not take place before 10th April
- Following treatment with ESTEEM, a period of at least 125 days must be observed prior to the planting of succeeding crops.
- 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 7.5g¹.

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.

¹Applicable to approved florasulam containing formulations that may be applied in autumn followed by ESTEEM application to cereals from 1st February.

GENERAL INFORMATION

ESTEEM herbicide has activity against a range of broad-leaved weeds. The ideal timing for application is when the weeds are small and actively growing.

- Broad-leaved weeds not present at application will not be controlled.
- Do not spray when grass is wet.
- Do not use any plant material treated with ESTEEM for composting or mulching.

Do not apply if night temperatures are low, if ground frost is imminent, or in periods of prolonged cold or dry weather. Ensure weeds are actively growing as after periods of prolonged drought, weeds can take a long time to start actively growing again after soil moisture returns.

Do not apply to crops under stress; stress can be caused by many factors including frost, drought, waterlogging, trace element deficiency, disease and pest attack etc.

Take extreme care to avoid drift onto crops and non-target plants, e.g. trees, shrubs, bedding, outdoors, the way, etc. Do not apply directly to, or allow spray drift to come into contact with agricultural or horticultural crops, amenity plantings or gardens, ponds, lakes or water courses.

Wash out spray equipment thoroughly (see tank cleaning instructions). Traces of ESTEEM could cause harm to susceptible crops sprayed later.

GRASSLAND USE NOTES

Grass and weeds must be actively growing to ensure good weed control and minimal check to grass.

Do not roll or harrow grass for 10 days before or 7 days after application.

To allow maximum translocation do not cut grass for 4 weeks after application.

Do not spray in drought, very hot or very cold weather.

Clover will be killed or severely checked by ESTEEM.

Do not spray grassland where clover or other legumes are a valuable constituent of the sward.

Do not use manure from animals fed on crops treated with ESTEEM for composting.

Grazing Interval

Where ragwort is present users should consult the Code of Practice on How to Prevent the Spread of Ragwort. Cereals and plants sprayed with this herbicide are more palatable and contain high levels of toxins. Animals should be excluded from treated areas until any ragwort has completely recovered or died and there is no visible sign of dead weed. Do not include treated ragwort in hay or silage crops. Livestock must be kept out of treated areas for at least 7 days following treatment. IF RAGWORT IS PRESENT, FOLLOW THE GUIDANCE IN THE 'DIRECTIONS FOR USE'.

CEREAL USE NOTES

Avoid overlapping spray bouts.

Do not use any plant material treated with ESTEEM for composting or mulching.

Do not use manure from animals fed on crops treated with ESTEEM 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 7 days after application.

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

FOLLOWING CROPS (after Forage Maize)

Stubble left in the field after harvest of maize sprayed with ESTEEM may contain residues which could damage certain crops. Do not plant winter beans in the same year as treatment with ESTEEM.

Straw from cereals sprayed with ESTEEM may contain residues which could damage certain crops. To avoid such risk bale and cart away the straw. Where straw is chopped and incorporated do not plant winter beans in the same year as treatment with ESTEEM.

ESTEEM residues in plant tissues (including manure and silage) which have not completely decayed may affect succeeding susceptible crops. If treated crop remains have not fully decayed by the time of planting following crops then avoid planting: peas, beans and other legumes; carrots and other umbellifers; potato, lettuce and other compositae; glasshouse and protected crops.

At least 125 days must elapse before planting any of the crops listed below whether after normal harvest or after crop failure.

Crops that can be sown in the same year as a crop treated with ESTEEM is harvested: Cereals, oilseed rape¹, grass and vegetable brassicas as transplants.

¹Vigour reductions may be seen in following crops of oilseed rape after a dry summer. This will be outgrowth and will not result in yield loss.

Crops that can be sown in the calendar year following treatment with ESTEEM: 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.

JOINT APPLICATION (CEREAL USE)

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. However a further application of ESTEEM or another product containing florasulam may also be made providing the maximum total dose of florasulam is not exceeded.

Only one other product with an ALS inhibitor mode of action may be applied to a cereal crop treated with ESTEEM.

ESTEEM may be applied in joint application to the same cereal crop with one of the following ALS products:

Ally Max SX	Harmony M SX
Biplay SX	Lorate
Boxer [†]	Presite SX
Broadway Star [†]	Quantum
Calibre SX	Spitfire
Choir	Starane XL
Finish SX	Thor

[†]The maximum total dose of florasulam applied to the crop must not exceed 7.5 g. 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.

Apart from these specific joint applications ESTEEM must NOT be applied with any other product containing an ALS inhibitor, for example amidosulfuron.

CROP FAILURE

In the event of a crop failure in the spring with ESTEEM only the following crops may be planted: spring wheat, spring barley, spring oats, maize or ryegrass.

RESISTANCE

ESTEEM contains three different active substances (fluroxypyr, florasulam and clopyralid) and therefore the risk of resistance building is reduced. Fluroxypyr and clopyralid are pyridine carboxylic acids (Group O, HRAC classification) and florasulam belongs to the triazolopyrimidine (Group B, HRAC classification). There is no identified resistance to fluroxypyr and clopyralid but populations of *Stellaria media*, *Papaver rhoas* and *Matricaria spp.* have been found to be resistant to Group B herbicide.

As florasulam is an ALS inhibitor there is a risk of resistance building to this active ingredient and so precautions should be taken to minimise the risk. Therefore avoid using single mode of action herbicides, such as ALS herbicides in the same field over a number of years.

Growers are advised to apply products containing herbicides with different modes of action or use sequences or tank mixtures where two or more components are active against the target weeds.

ESTABLISHED GRASSLAND, NEW SOWN LEYS, GRASS FOR SEED and FORAGE MAIZE

ESTEEM can be applied to established grassland, new sown leys, grass for seed and forage maize.

Established grassland

RATES OF USE, WEED SUSCEPTIBILITY AND MAXIMUM SIZE CONTROLLED

ESTEEM may be applied to established grassland at a maximum dose of 2.0 L/ha from 1st February to 30th September (see table below). Application timing is crucial for good control. Applications must be made to weeds that are actively growing before and immediately after application. If the grass (and hence the weeds) has been cut or grazed, leave for 2 to 3 weeks to allow sufficient re-growth to occur before spraying. It is important that there is sufficient leaf area for the uptake of the herbicide.

Apply ESTEEM in 200 – 400 litres of water per hectare. Use the higher water volume where weeds are large at the time of application and where the grass is dense.

Do not spray grassland where clover or other legumes are a valuable constituent of the sward.

Weed	Size Controlled	Dose rate (L/ha)
Common Daisy	Rosette	1.5
Dandelion	Rosette	1.5
Creeping Butter cup	Rosette	2.0
Great Plantain	Rosette	2.0
Ribwort Plantain	Rosette	2.0

New Sown leys and grass for seed

ESTEEM may be applied to grass seed crops at 1.0 l/ha from the 3 true leaf stage of the crop. Applications must be made between 1st February and 30th September.

ESTEEM may be applied at 1.0 litres/ha to grass less than one year old between 1st February and 31st August. Ensure grass has become established before spraying. Grass sown in the spring or summer may be ready for spraying after about 2 months, but grass sown in late summer or autumn should not be sprayed until growth is resumed in the following spring, perhaps eight months after sowing. Apply ESTEEM in 200 – 400 litres of water per hectare.

Weed	Maximum weed size controlled
Cleavers*	1 true leaf
Creeping thistle (from seed)	1 true leaf (moderately susceptible)
Scented mayweed	1 true leaf
Scintless mayweed	1 true leaf
Volunteer oilseed rape	1 true leaf
Wild radish (Runch)	1 true leaf

* Cleavers which germinate after application will not be controlled

Forage Maize

ESTEEM may be applied when maize is between the 3-6 leaf stage and before the crop is over 20 cm tall. Do not apply once the buttress roots (side roots) have started to develop on the first node.

ESTEEM may be applied to forage maize at a maximum dose rate of 1.0 L/ha. One application of 1.0 L/ha of ESTEEM will control all susceptible emerged weeds. For optimum performance it is important to check the size of weeds before application. Apply ESTEEM in 200 – 400 litres water per hectare.

Weed	Maximum weed size controlled
Cleavers*	1 true leaf
Scented mayweed	1 true leaf
Scintless mayweed	1 true leaf
Creeping thistle	Moderately susceptible (1 true leaf)
Volunteer Oilseed Rape	1 true leaf
Charlock	1 true leaf

* Cleavers which germinate after application will not be controlled

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

Avoid boom overlap.

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CEREALS CROPS

ESTEEM can be applied in the spring (from 1st February) on all varieties of winter and spring wheat winter and spring barley and winter and spring oats, winter rye and winter triticale.

ESTEEM can be safely applied to crops intended for seed production.

ESTEEM should not be applied to crops undersown with ryegrass or clover.

SOIL

ESTEEM may be used on all soil types.

APPLICATION TIMING

Winter wheat, winter barley, winter rye, winter triticale, spring wheat, spring barley, durum wheat

ESTEEM should be applied in the spring (from 1st February) once the crop has reached 3 leaves (GS 13), and before flag leaf detectable stage (before GS 39).

Winter oats, spring oats, spring rye

ESTEEM should be applied in the spring (from 1st February) once the crop has reached 3 leaves (GS 13), and before second node detectable stage (before GS 32).

One application of 1.0 L/ha of ESTEEM will control all susceptible emerged weeds. For optimum performance it is important to check the size of weeds before application.

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

WATER VOLUME

Established grassland, new sown leys, grass for seed and forage maize

For overall application apply ESTEEM in 200 to 400 litres of water per hectare.

Cereals Crops

Apply ESTEEM in 80 to 250 litres of water per hectare. The lower volume must only be used in open crops on small weeds.

APPLICATION EQUIPMENT

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

Do not apply through CDA applicators.

MIXING

Half fill the spray tank with water and add the required amount of ESTEEM. Fill up the spray tank, agitating continuously to ensure thorough mixing, and maintain agitation until spraying is complete. Use only clean water for mixing.

SPRAY QUALITY

Apply ESTEEM as a MEDIUM spray as defined by the BCPC system.

TANK CLEANING

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

- Immediately after spraying thoroughly and completely rinse all internal surfaces.
- Rinse inside of tank with clean water and flush through booms and in-line nozzles using at least one tenth of the spray tank volume. Drain tank completely.
- Fill tank with clean water (minimum 10% of tank capacity) and add tank cleaner at the recommended rate and agitate for 15 minutes. Flush the boom and hoses and drain tank completely.
- Nozzles and filters should be removed and cleaned separately with All Clear Extra solution containing 50 ml of All Clear Extra per 10 litres of water.
- 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.
- For disposal of washings, follow Code of Practice for Using Plant Protection Products. Do not spray onto sensitive crop or land intended for cropping with sensitive crop.

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

TRADEMARK ACKNOWLEDGEMENTS

ESTEEM, BOXER, BROADWAY, SPITFIRE AND STAMINE are trademarks of Corteva Agriscience and its affiliated companies.

All other brand names used in the document are trademarks of other manufacturers, of which Corteva Agriscience has no rights.

Corteva Agriscience Conditions of Sale Only

All goods supplied by us are of high grade and we warrant 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, relating 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 sales 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:



<https://www.corteva.ie/content/dam/dp/corteva/eu/en/files/sds/ESTEEM-IRL-SDS.pdf>

Alternatively contact your supplier

SAFETY PRECAUTIONS

Operator protection:

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

- Operators must wear suitable protective clothing (coveralls), suitable protective gloves and face protection (faceshield) 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 and drinking or smoking and after work.

IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).

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 yards and roads)

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

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

Livestock must be kept out of treated areas. IF RAGWORT IS PRESENT, FOLLOW THE GUIDANCE IN THE 'DIRECTIONS FOR USE'.

Storage and disposal:

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

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.



Esteem™

HERBICIDE

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PCS No. 06356

An emulsifiable concentrate containing 80g/litre clopyralid, 2.5g/litre florasulam and 144g/litre fluroxypyr-mepyl (100g/litre acid equivalent)

A post-emergence herbicide for use on GRASSLAND, GRASS FOR SEED, MAIZE, WINTER AND SPRING WHEAT, BARLEY AND OATS, WINTER AND SPRING RYE, WINTER TRITICALE and DURUM WHEAT for the control of broad-leaved weeds.

PROFESSIONAL USE ONLY

READ DIRECTIONS FOR USE ON ATTACHED LEAFLET

SHAKE WELL BEFORE USE

PROTECT FROM FROST.

Triple Rinse Containers, Puncture And Invert To Dry At Time Of Use

Distributed by:

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National Poison Centre (Dublin): 01 8092166

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IMPORTANT INFORMATION.

FOR USE ONLY AS A PROFESSIONAL HERBICIDE

Situation: Grassland (established), Grassland (newly sown), Grassland (seed), Forage maize, Winter and Spring Wheat, Winter and Spring barley, Winter and Spring Oats, Winter and Spring Rye, Winter Triticale and Durum Wheat

Maximum Individual Dose: 1

Maximum Number of Applications: 1 Full details are given in the Important Information area on the attached leaflet

Latest Timing of Application: 1

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.



Esteem™

Danger

Very toxic to aquatic life with long lasting effects.

May be fatal if swallowed and enters airways.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Harmful if inhaled

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of water.

IF INHALED: Remove 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.

Collect spillage

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