



Orpen is a suspo-emulsion (SE) containing 100 g/L fluroxypyr + 2 g/L florasulam for use as a post-emergence foliar treatment in cereals for the control of broadleaved weeds.

• Winter Wheat • Winter Barley • Spring Barley • Durum Wheat

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

See Directions for Use on attached leaflet for the following: Safety Precautions, Maximum individual dose of product, Maximum total dose, Latest time of application and other specific restrictions.

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 INFORMATION

Warning

Very toxic to aquatic life with long lasting effects

EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May cause an allergic reaction.

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

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

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 organism, respect a 3m buffer zone from surface water bodies.



PCS: 06035

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PROTECT FROM FROST

5 Litres e

SAFETY PRECAUTIONS

OPERATOR PROTECTION

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

WEAR SUITABLE PROTECTIVE GLOVES when handling the concentrate and contaminated surfaces.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND RUBBER BOOTS when using hand-held sprayers, hand-held rotary atomisers, weed-wiping equipment or when making cut stump treatments.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES, RUBBER BOOTS AND FACE PROTECTION (FACESHIELD) when using stem injection equipment.

WASH CONCENTRATE from skin or eyes immediately.

DO NOT BREATHE SPRAY.

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

WASH HANDS AND EXPOSED SKIN before meals and after work.

ENVIRONMENTAL PROTECTION

DO NOT RE-USE CONTAINER for any purpose.

Do not contaminate water with the product or its container. Do not clean application equipment near surface water/Avoid contamination from farmyards and roads.

To protect aquatic organism, respect a 3m buffer zone from surface water bodies.

STORAGE DISPOSAL

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank, and dispose of safely.

PROTECT FROM FROST

TO AVOID RISKS TO HUMAN HEALTH AND THE ENVIRONMENT, COMPLY WITH THE INSTRUCTIONS FOR USE.

Safety data sheet available for professional user on request.

This product is approved under The Plant Protection Products Regulations (as amended).

In the event of emergency, call the National Poisons Information Centre, Beaumont Hospital at 01 809 2166 or 01 837 9964

IMPORTANT INFORMATION: FOR USE ONLY AS AN AGRICULTURAL HERBICIDE				
Crops/situations	Maximum single dose	Maximum no. of applications	Maximum total dose	Latest time of application
Winter Wheat, Winter Barley, Durum Wheat	1.6 L/ha	1 per crop	1.6 L/ha	BBCH 13-45
Spring Barley	1.5 L/ha	1 per crop	1.5 L/ha	BBCH 13-39
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.				

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

Apply to dry foliage. Do not spray if rain is imminent. Avoid spray drift onto nearby crops or areas. Avoid overlapping spray swaths.

WEED CONTROL

Orpen is an agricultural herbicide for the control of a range of broadleaved weeds in cereals. It consists of two active substances mainly absorbed through the leaves of weeds. It is essential that the weeds have emerged, and a good spray cover is achieved. The best time for application is when weeds are small and actively growing.

MIXING

Pour the required quantity of Orpen into the spray tank already half-filled with water and under agitation. Top up the spray tank with water to the required level. Maintain agitation during spraying and until the tank is sprayed out.

APPLICATION & SPRAY QUALITY

Apply as a MEDIUM (BCPC definition) spray at 2-2.5 bar (30-35 psi) by conventional hydraulic ground-operated sprayer in 150-400 l/ha water to give good coverage of the target weeds. Use the higher spray volume for application in dense crops or when weeds are large. Apply to dry foliage.

No negative impacts of Orpen on non-target plants in off-crop areas are expected if product is applied within a 1m buffer zone. In case of sunflowers as adjacent crop apply product with 50% drift reducing nozzles or 5m buffer zone.

COMPATIBILITY

For up to date details of compatible tank-mixes contact Barclay Chemicals (R&D) Ltd., Damastown Way, Damastown Industrial Park, Mulhuddart, Dublin 15, Ireland. Tel: +353 1 8112900 Fax: +353 1 8224678 E-mail: info@barclay.ie

FUTURE PLANTING

Cereals, oilseed rape, field beans, vegetables brassicas as transplants and grass can be sown in the year of treatment. No restrictions on the intervals between the uses of Orpen and planting of succeeding crops shall be considered 30 days after the application.

Crop failure: In case of crop failure an interval of 14 days must be respected for planting crop such as carrot, cucumber, tomato and onion, 30 days must be respected for planting sunflower, oilseed rape, radish and sugar beet as replacing crop after use of Orpen.

WEED RESISTANCE STRATEGY

Orpen contains two active substances with a different mode of action; therefore the risk of resistance is low. Growers are encouraged to implement a weed resistance strategy based on good agricultural practices and good plant protection practices. Good practice is achieved and enhanced by:

- Following these label recommendations.
- Adopting complementary weed control measures.
- Minimising the spread of weeds and their seeds.
- Implementing good spraying practices to achieve maximum weed control.
- Using the correct nozzles to maximise weed coverage.
- Applying only under appropriate weather conditions.
- Monitoring performance and reporting unexpected results to Barclay Chemicals (R&D) Ltd.

Repeated use of herbicide with same mode of action can increase the risk of weeds developing resistance to these compounds, leading to poor control. A strategy for preventing and managing such resistance should be adopted. This should include integrating herbicides with a programme of cultural control measures. Guidelines have been produced by the Weed Resistance Action Group and copies are available from the HGCA, CPA, your distributor, crop advisor or product manufacturer.

CARE OF EQUIPMENT

Traces of actives left in the sprayer may damage susceptible crops if the equipment is subsequently used without sufficient cleaning. Directly after each days use with Orpen, thoroughly wash out the sprayer using a standard tank cleaning procedure (at least triple rinse with clean water). Ensure booms and hoses are thoroughly flushed through.

Susceptible Weeds

The susceptibility rating of weeds in the following table refer to good spray cover and good growing conditions.

ACTIVITY SPECTRUM on cereals

	Weed	Susceptibility at maximum dose rate ¹
Oilseed Rape	<i>Brassica napus</i>	S
Shepherd's purse	<i>Capsella bursa-pastoris</i>	HS
Cornflower	<i>Cyanus segetum</i>	MS
Cleavers	<i>Galium aparine</i>	HS
Common dead-nettle	<i>Lamium amplexicaule</i>	HS
Red dead-nettle	<i>Lamium purpureum</i>	S
Scented mayweed	<i>Matricaria chamomilla</i>	HS
Scentless mayweed	<i>Tripleurospermum inodorum</i>	HS
Common poppy	<i>Papaver rhoeas</i>	S
Black bindweed	<i>Fallopia convolvulus</i>	S
Charlock	<i>Sinapis arvensis</i>	HS
Common chickweed	<i>Stellaria media</i>	HS

¹HS = highly susceptible (>95%); S = susceptible (85-94%); MS = moderately susceptible (70-84%); MT=Moderately Tolerant (50-69.9%)

WEED CONTROL IN WINTER WHEAT, WINTER BARLEY, DURUM WHEAT		
Weeds controlled: Annual and perennial broadleaved weeds		
Crop	Time and Method	Dose Rate
Winter wheat, winter barley, durum wheat	Medium Foliar spray, BBCH 13-45	Most weeds : 1.2-1.6 L/ha <i>Brassica napus</i> , <i>Papaver rhoeas</i> , <i>Matricaria sp.</i> , <i>Cyanus segetum</i> : 1.5-1.6 L/ha Apply in 150-400 L/ha water

WEED CONTROL IN SPRING BARLEY		
Weeds controlled: Annual and perennial broadleaved weeds		
Crop	Time and Method	Dose Rate
Spring barley	Medium Foliar spray, BBCH 13-39	Most weeds : 1.2-1.5 L/ha <i>Brassica napus</i> , <i>Papaver rhoeas</i> , <i>Matricaria sp.</i> , <i>Cyanus segetum</i> : 1.5 L/ha Apply in 150-400 L/ha water

Specimen-
2023 to date