



BOLT

PCS 05900

A water dispersible granule formulation containing 600 g/kg (60% w/w) tribenuron-methyl and 200 g/kg (20% w/w) florasulam for the control of cleavers and other broadleaved weeds in winter and spring barley, winter and spring oats, winter wheat, winter rye and winter triticale.

Pack size: 1kg

Batch No.: XXXXX

PROTECT FROM FROST

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

Use the green foldable cardboard measuring cup to measure the relevant amount of product.

Safety Information



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 triple rinsed empty 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 Tribenuron-methyl. May produce an allergic reaction.

PCS No 05900

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

Crop	Maximum Individual Dose (g product/ha)	Maximum total dose (g product/ha/crop)	Latest Time of Application	Aquatic buffer zone distance (m)
Barley (winter), oats (winter), rye (winter), wheat (winter), triticale	25	25	Up to and including flag leaf ligule just visible stage (GS 39 inclusive)	5
Barley (spring), oats (spring)	25	25	Up to and including 2nd node detectable stage. (GS 32 inclusive)	5

Other Specific Restrictions:

- Applications must not be made before 15 March in the year of harvest.
- The maximum total dose of florasulam applied to a cereal crop must not exceed 7.5 g/ha.
- The maximum total dose of tribenuron applied to a cereal crop must not exceed 15 g/ha.

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.

Additional Safety Phrases

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 5 metres to surface water bodies.

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.

Crop Failure

In the event of crop failure in the spring after an application of BOLT® only cereals may be planted.

WEEDS CONTROLLED

BOLT® 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.

Spring application

Rate of Use	20 g product/ha	25 g product/ha	Weed size controlled
Black bindweed	-	MS	Plants up to 2 expanded true leaves
Charlock	S	S	Plant up to 15 cm across/high
Cleavers	-	S	200 mm
Common chickweed	S	S	Flowering
Common field speedwell	-	R	Plants up to 2 expanded true leaves
Common mouse-ear	-	R	Plants up to 2 expanded true leaves
Common poppy	-	S	Plants up to 6 expanded true leaves
Fat hen	-	MS	Plants up to 6 expanded true leaves

Field pansy	-	MS	Plants up to 2 expanded true leaves
Field penny cress	S	S	Plant up to 15 cm across/high
Fools parsley	-	S	Plants up to 3 expanded true leaves
Forget me not	-	S	Plants up to 6 expanded true leaves
Fumitory	-	R	Plants up to 2 expanded true leaves
Hairy bitter-cress	-	MS	Plants up to 6 expanded true leaves
Hemp nettle	-	S	Plants up to 6 expanded true leaves
Henbit dead nettle	-	MR	Plants up to 6 expanded true leaves
Ivy leaved speedwell	-	R	Plants up to 2 expanded true leaves
Knotgrass	-	S	Plants up to 6 expanded true leaves
Pineappleweed	S	S	Flower buds visible
Red dead-nettle	-	MR	Plants up to 6 expanded true leaves
Redshank	-	MS	Plants up to 6 expanded true leaves
Scentless mayweed	S	S	Flower buds visible
Shepherd's purse	S	S	100 mm
Volunteer oilseed rape	S	S	Before flower buds visible

S = Susceptible, MS = Moderately Susceptible, MR = Moderately Resistant, R = Resistant

WEED RESISTANCE

Tribenuron-methyl and florasulam are both systemic selective herbicide taken up by the roots and foliage and translocated to the apex of the plant.

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

BOLT® is a post-emergence herbicide for use in the spring on all varieties of winter and spring barley, winter and spring oats, winter wheat, winter rye and winter triticale.

SPRING APPLICATION – CEREALS

WINTER WHEAT, WINTER BARLEY, WINTER OATS, WINTER RYE & TRITICALE

Application Rate:	One application of up to 25 g product/ha will control all susceptible emerged weeds.
Application Timing:	Apply once the crop has reached 3 leaves (GS13), up to and including flag leaf ligule just visible stage (GS39 inclusive).
Water volume:	100 - 300 L water/ha. The lower volume must only be used in open crops on small weeds.

SPRING BARLEY AND SPRING OATS

Application Rate:	One application of up to 25 g product/ha will control all susceptible emerged weeds.
Application Timing:	Apply once the crop has reached 3 leaves (GS13), up to and including the second node detectable stage (GS 32 inclusive).
Water volume:	100 - 300 L water/ha. The lower volume must only be used in open crops on small weeds.

SOIL

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

FOLLOWING CROPS

Only the following crops can be sown in the same year as a crop treated with BOLT® is harvested: cereals, oilseed rape, field beans and grass.

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 after treatment with BOLT®: 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.

WATER VOLUME

Apply BOLT® in 100-300 l/ha of water. The lower volume must only be used in open crops on small weeds.

MIXING

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

ACKNOWLEDGMENTS

BOLT® 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.