

Avadex[®] Excel 15G

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE for the control of a range of weeds in listed cereals
A granular formulation containing 15% w/w tri-alleate
The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work



WARNING

May cause damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

Do not breathe mist.
Avoid release to the environment.
Get medical advice/attention if you feel unwell.
Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for clean empty containers which can be disposed of as non-hazardous waste.
Contains Tri-alleate. May produce an allergic reaction.
To avoid risks to human health and the environment, comply with the instructions for use.

IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL HERBICIDE

Crops	Maximum individual dose: (kg product / ha)	Maximum number of treatments: (per crop)	Latest time of application:	Aquatic buffer zone distance (meters)
Winter Wheat, Winter Barley, Spring Barley	15kg/ha	one per crop	Before emergence	10

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

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) and suitable protective gloves when handling the product and contaminated surfaces.

However, engineering controls may replace personal protective equipment if they provide an equal or higher standard of protection. IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).

Environmental protection

DO NOT ALLOW GRANULES from application equipment to fall within a distance of 10 meters of 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.

To protect aquatic organisms respect an untreated buffer zone of the distance specified in the Important Information box. This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. The statutory buffer zone must be maintained and the distance recorded in the LERAP record form. The results of the LERAP record form must be kept available for three years.

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. Avoid drift onto adjacent crops, especially crops of oats and grasses, either emerged or yet to emerge, as these are particularly sensitive.

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

Medical advice

Symptoms of poisoning

Accidental over exposure may result in the following symptoms:

Skin & eyes: Slight irritation.

Inhalation: Excessive exposure to HAN solvent can result in headache, dizziness, incoordination, nausea, loss of appetite and unconsciousness.

First aid

When giving first aid always use personal protective equipment if you are likely to be contaminated by contact with the person to whom you are giving aid - see label.

Remove patient to fresh air.

Skin: Take off immediately all contaminated clothing. Wash immediately with plenty of soap and water.

If there is persistent irritation, get medical attention.

Eyes: Flush immediately with plenty of clean water for at least 15 minutes. If there is persistent irritation get medical attention.

Inhalation: Seek medical treatment if symptoms occur apparently due to inhalation. If breathing is difficult, give oxygen. Give artificial ventilation if breathing stops.

Guide to doctor

Over Exposure Symptoms: No symptoms diagnostic of systemic poisoning with this product. No specific antidote. Treat symptomatically.

Storage and disposal

Keep at temperatures not exceeding 40°C and above -8°C. Protect from frost.

DIRECTIONS FOR USE

IMPORTANT: This information is authorised 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.

Where control is required of barren brome and/or moderate populations of black-grass in addition to wild-oats Avadex Excel 15G should be used in sequence with other herbicides so long as the labels of each product are followed.

Weeds controlled

Avadex Excel 15G herbicide controls wild-oats and moderate populations of meadow-grasses and black-grass. Where barren brome or heavy populations of black-grass exist in winter crops of wheat and barley, use of a programme of herbicide treatments is recommended. When applied pre-emergence of weeds, a useful control of some annual broad-leaved weeds results.

Wild-oats germinating on or near the surface or from well below the treated layer may not be controlled.

Restrictions

Do not apply to shallow drilled wheat crops.

The product is safe to all recommended winter cereals, including durum wheat. Spring barley should only be treated pre-emergence.

Seedbed and Climatic Conditions

Apply Avadex Excel 15G to well-prepared, moist seedbeds.

Very cloddy seedbeds should be avoided.

Loose, puffy seedbeds should be consolidated prior to drilling.

When applied to the soil surface, Avadex Excel 15G needs some moisture after application to be activated.

Soil type

Avadex Excel 15G may be used on soils containing less than 10% organic matter.

Crop specific information: recommended uses

THIS PRODUCT MUST BE USED ONLY IN THE AREAS OF USE RECOMMENDED ON THIS LABEL AND APPLIED ACCORDING TO 'DIRECTIONS FOR USE'. ALL OTHER USES AND METHODS OF APPLICATION ARE EXCLUDED.

CROPS	DEPT OF DRILLING CM	APPLICATION RATE - KG/ HA	TIMING
Winter Wheat Winter Barley	4.0 cm min Normal	15	Post-drilling, pre-emergence of crop and weeds. For further information see Section "Seedbed and Climatic Conditions".
Spring barley	Normal	15	Pre-drilling and incorporate with final seedbed cultivation or Post-drilling, pre-emergence of crop and weeds

Following crops

Do not sow oat or grass crops within a year after treating with Avadex Excel 15G.

Do not undersow grass species in crops that have been treated with this product. It is safe to undersow with clover and other legumes.

Resistance management

Strains of some annual grasses (e.g. black-grass, wild-oats and Italian rye-grass) have developed resistance to herbicides which may lead to poor control. A strategy for managing and preventing such resistance should be developed. Guidelines have been produced by the Weed Resistance Action Group and copies are available from the AHDB, CPA, your distributor, crop advisor or product manufacturer. Avadex Excel 15G should only be used for control of herbicide resistant strains of annual grasses as part of an appropriate management strategy, including cultural control methods and sequences with herbicides of alternative modes of action.

Key aspects of the Avadex Excel 15G resistance management strategy are:

- Always follow WRAG guidelines for preventing and managing herbicide resistant grass weeds.
- Maximise the use of cultural control measures wherever possible (e.g. crop protection, ploughing, stale seedbeds, delayed drilling, etc).
- Use a programme of tank mixes or sequences of herbicides with different modes of action within individual crops, or successive crops.
- Where products are approved for both pre- and post-weed emergence applications, apply pre-emergence where possible when resistance is suspected.
- Apply post-emergence products/mixtures to small, actively growing weeds, especially where high levels of resistance are suspected and to reduce the risk of resistance development.
- Monitor weed control effectiveness and investigate any odd patches of poor grass weed control. If unexplained, contact your agronomist who may consider a resistance test appropriate.

COMPANY ADVISORY INFORMATION

Application equipment

Recommendation

Only use granule placement equipment. Please contact the authorisation holder or distributor for advice on suitable application equipment.

Ensure the applicator is set up and used according to manufacturer instructions.

It is recommended that any equipment used has passed an NSTS (National Sprayer Testing Scheme) test in order to maximise the accuracy of the pesticide application and to ensure the product is being used in a manner that is safe to the environment and the operator. It is recommended that application machines are checked for the evenness of distribution across the width of application and also the output of individual metering units.

DO NOT USE A SPINNING-DISC APPLICATOR.

Calibration

Calibrate all machines before applying this product.

Use in field

For best results application machinery should be operated at appropriate speeds as defined in individual manufacturer's recommendations. Gowan Crop Protection Ltd can accept no responsibility for accuracy of application.

Conditions of sale

The following shall form part of any contract of sale of this product whether sold by the manufacturer or a subsequent owner ("The Seller").

1. The Seller warrants that the product complies with the product specification prevailing at the date of sale which is obtainable from the Seller on request provided that (except to the extent that any claim is in respect of personal injury or death) the said Seller's liability for breach of this warranty is limited to the price of the products involved in the breach.
2. Except as aforesaid all conditions and warranties statutory or otherwise and express or implied as to the quality of this product or its fitness for any purpose are expressly excluded.
3. Except as aforesaid neither Gowan Crop Protection Ltd (GCP) nor (where different) the Seller shall be under any liability other than for personal injury or death whether in contract or in tort for any loss or damage arising out of or resulting from the use of the product.
4. GCP shall in no event be liable for any loss or damage caused by the failure of any person to use the product in accordance with the instructions for use given by GCP.

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This product is authorised under the Plant Protection Products Regulation (EC) No 1107/2009

Gowan[®]

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Net WT. 15 kg e

Lot Number/Production Date: