

# AVENA NOVA



Emulsifiable concentrate containing 55 g/l pinoxaden and 13.75 g/l cloquintocet-mexyl.  
Controls wild oats and ryegrasses in winter and spring wheat and winter and spring barley.

## FOR PROFESSIONAL USE ONLY

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

AVENA NOVA is an emulsifiable concentrate containing 55 g/l pinoxaden and 13.75 g/l cloquintocet-mexyl

### Warning

May cause an allergic skin reaction.

Harmful if inhaled.

Suspected of damaging the unborn child.

Toxic to aquatic life with long lasting effects.

Keep out of reach of children.

Do not handle until all safety precautions have been read and understood.

Avoid breathing vapours/ spray.

Wear protective gloves/protective clothing.

IF ON SKIN: Wash with plenty of water.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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.

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.

Contains pinoxaden. May produce an allergic reaction.

Contains cloquintocet-mexyl. May produce an allergic reaction.

Repeated exposure may cause skin dryness or cracking.

PC: No. 06750



## Additional Safety Information.

### Operator Protection

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate

WASH SPLASHES from skin immediately

WASH HANDS AND EXPOSED SKIN before meals and after work

### 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 farmyards and roads.

### Storage and Disposal

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times.

Add washings to sprayer at time of filling and dispose of safely. EMPTY CONTAINER COMPLETELY and dispose of safely

## PROPERTIES OF AVENA NOVA

AVENA NOVA is a foliar acting grass-weed killer for the control of wild oats, Italian rye-grass and perennial rye-grass (from seed) in winter and spring wheat and winter and spring barley. It is an ACCase inhibitor, also classified by the Herbicide Resistance Action Committee as 'Group A'.

### Restrictions

To avoid the build up of resistance do not apply products containing an ACCase inhibitor herbicide more than twice to any crop. In addition, do not use this product in mixture or sequence with any other product containing pinoxaden.

Do not use on oats

Do not spray crops under stress or to crops suffering from waterlogging, pest attack, disease or frost

Do not spray crops in fields with grass mixtures

Rain within one hour after application may reduce grass-weed control

Do not allow spray to drift onto neighbouring crops of oats, ryegrass or maize

Avoid the use of hormone-containing herbicides in mixture or sequence with AVENA NOVA. When AVENA NOVA is applied first, leave 7 days before applying hormone herbicides. If hormone-containing products are applied first, leave 21 days before AVENA NOVA is applied.

## GENERAL INFORMATION

AVENA NOVA is a foliar acting grass-weed killer for the control of wild oats, Italian rye-grass and perennial rye-grass (from seed) in winter and spring wheat and winter and spring barley. It is an ACCase inhibitor, also classified by the Herbicide Resistance Action Committee as 'Group A'.

## WEEDS CONTROLLED

AVENA NOVA controls wild oats, Italian rye-grass and perennial rye-grass (from seed) in winter and spring wheat and winter and spring barley.

## CONDITIONS FOR USE

Crop	Max individual dose l/ha	Max no. of applications	Max. total dose l/ha	Latest time of application
Winter and spring wheat, Spring and Winter Barley	0.82	-	0.82	Before flag leaf sheath extending stage (GS 41)

## FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

To avoid the build up of resistance do not apply products containing an ACCase inhibitor herbicide more than twice to any crop. In addition, do not use this product in mixture or sequence with any other product containing pinoxaden.

PROTECT FROM FROST

SHAKE WELL BEFORE USE

# Net contents 1 litres e

## Packed in 12 x 1L

Batch no:

Expiry date:

L1069569 IREL/11Y PPE 4130743

Authorisation Holder	Marketing Company
Syngenta UK Limited CPC4 Capital Park, Fulbourn, Cambridge, CB21 5XE Tel: (01223) 883400	Croplink (Ireland) Limited, Springhill, Carrigtwohill, Co. Cork. Tel: 021 4882806

## RESISTANCE MANAGEMENT

This product contains pinoxaden which is an ACCase inhibitor, also classified by the Herbicide Resistance Action Committee as 'Group A'.

Use only as part of a resistance management strategy that includes cultural methods of control and does not use ACCase inhibitors as the sole chemical method of grass-weed control.

Applying a second product containing an ACCase inhibitor to a crop will increase the risk of resistance development; only use a second ACCase inhibitor to control different weeds at a different timing.

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 preventing and managing such resistance should be adopted. 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.

Key aspects of the AVENA NOVA resistance management strategy are:

- Always follow WRAG guidelines for preventing and managing herbicide resistant grass weeds.
- Do not use AVENA NOVA or any other ACCase inhibitor as the sole means of grass weed control in successive crops.
- Use grassweed herbicides with different modes of action throughout the cropping rotation.
- To reduce the risk of developing resistance, applications should be made to young, actively growing weeds.
- Use tank/product mixes or sequences of herbicides with different modes of action within individual crops, or successive crops.
- 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.
- Use crop rotation and other cultural control measures to prevent and manage herbicide resistant grass weeds.
- Only apply AVENA NOVA once per crop.

AVENA NOVA has no residual activity. Optimum weed control will only be achieved when all grass weeds have emerged.

The activity of AVENA NOVA is not affected by soil type, organic matter or straw residues.

AVENA NOVA does not control broad-leaved weeds and if these are present a specific broad-leaved weed herbicide will be required.

## CROP SPECIFIC INFORMATION

### Crops

AVENA NOVA can be used on all varieties of winter and spring wheat and winter and spring barley.

### Timing

Spray in the autumn, winter or spring from two true leaves (GS12) to before flag leaf sheath extending stage of the crop. Spraying should be done when the majority of weeds have germinated, but before weed competition reduces yield.

### Rates of use

Apply AVENA NOVA at 0.55 – 0.82 litres per hectare.

## WEED CONTROL

### Winter and spring wheat and winter and spring barley

**Wild oats** – apply 0.82 litres per hectare AVENA NOVA from 1st leaf unfolded to flag leaf ligule visible. Where applications are made to wild oats no larger than the 2 tiller stage (GS22) a dose of 0.55 litres per hectare may give acceptable levels of control.

**Italian rye-grass and perennial rye-grass (from seed)** – apply 0.82 litres per hectare AVENA NOVA from 1st leaf unfolded to flag leaf ligule visible. Where applications are made to ryegrasses no larger than the 2 tiller stage (GS22) a dose of 0.55 litres per hectare may give acceptable levels of control. Always use as part of a weed control programme including other products active against ryegrass.

### FOLLOWING CROPS

There are no restrictions on succeeding crops in a normal rotation. In the event of a crop failure after application of AVENA NOVA, 4 weeks should elapse after application before ryegrass, maize, oats or broad-leaved crops are planted as replacement crops.

### MIXING AND SPIRAYING

#### Mixing Procedure

Make sure the sprayer is set to give an even application at the correct volume. Fill the spray tank with half the required volume of water and begin agitation. Add the required amount of AVENA NOVA to the spray tank and mix thoroughly. Add the rest of the water and continue to agitate until spraying operation is complete.

#### Spray Quality

Apply AVENA NOVA using a conventional fan nozzle producing a spray quality at the finer end of the medium range as defined by the British Crop Protection Council. A spray pressure of 2-3 bars is recommended.

#### Spray Volume

Spray AVENA NOVA in 100 - 400 litres of water per hectare.

## TANK CLEANING PROCEDURE

Immediately after use, clean the spray equipment thoroughly. Drain the system completely and rinse spray tank, boom and nozzles two to three times with clean water until the foam and all traces of product have been removed.