



Kanaster[®]

syngenta[®]

GROUP 1 HERBICIDE

Product registration number: MAPP 20008

UFI: D495-20DH-G001-UY0Y

Emulsifiable concentrate containing 60 g/l pinoxaden and 15 g/l cloquintocet-mexyl and methyl-2,4-pentanediol.

Controls wild oats and ryegrasses in winter and spring wheat and winter and spring barley. Can contribute to the control of blackgrass in winter and spring barley as part of an integrated control strategy.

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

In case of toxic or transport emergency ring

+44 (0)1484 538444 any time

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SHAKE WELL BEFORE USE. PROTECT FROM FROST.

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3 litres

This product label is compliant with the CPA Voluntary Initiative (VI) guidance.



The
Voluntary
Initiative

SAFETY PRECAUTIONS

(a) Operator protections: Engineering control of operator exposure must be used where reasonably practical in addition to the following personal protective equipment: **WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES** when handling the concentrate. However engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection. **WASH SPLASHES** from skin immediately. **WASH HANDS AND EXPOSED SKIN** before meals and after work.

(b) 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.

(c) Storage and disposal: **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. **KEEP IN ORIGINAL CONTAINER**, tightly closed, in a safe place.



L1131588 GBRI/01D PPE 4224457

KANASTER

An emulsifiable concentrate containing 60 g/l pinoxaden.

Warning

Causes skin irritation.

May cause an allergic skin reaction.

Suspected of damaging the unborn child.

Toxic to aquatic life with long lasting effects.

Obtain special instructions before use.

Avoid breathing mist or vapours.

Wash skin thoroughly after handling.

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

IF exposed or concerned: Get medical advice/ attention.

Collect spillage.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

Contains pinoxaden, cloquintocet-mexyl and methyl-2,4-pentanediol.

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



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IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE.

Crop	Maximum total dose (litres/hectare/crop)	Maximum no. of applications	Latest time of application
Wheat	0.75	One per crop	Before flag leaf sheath extending stage (GS41)
Barley	1.0	One per crop	Before flag leaf sheath extending stage (GS41)

Other Specific 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.

This product may only be applied after 1st February in the year of harvest.

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 carefully read in order to obtain safe and successful use of this product.

RESTRICTIONS

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 undersown 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 KANASTER. When KANASTER is applied first, leave 7 days before applying hormone herbicides. If hormone-containing products are applied first, leave 21 days before KANASTER is applied.

GENERAL INFORMATION

KANASTER is a foliar acting grass-weed killer for the control of wild oats, Italian ryegrass and perennial ryegrass (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'. KANASTER can contribute to the control of blackgrass in winter and spring barley as part of an integrated control strategy.

WEEDS CONTROLLED

KANASTER controls wild oats, Italian ryegrass and perennial ryegrass (from seed) in winter and spring wheat and winter and spring barley. In winter and spring barley KANASTER can contribute to control of blackgrass as part of an integrated control programme.

RESISTANCE MANAGEMENT

This product contains pinoxaden which is an ACCase inhibitor, also classified by the Herbicide Resistance Action Committee as 'Group 1'.

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 ryegrass) 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 AHDB, CPA, your distributor, crop advisor or product manufacturer.

Where resistant biotypes are present control from KANASTER will be unacceptable.

Key aspects of the KANASTER resistance management strategy are:

- Always follow WRAG guidelines for preventing and managing herbicide resistant grass weeds.
- Do not use KANASTER 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 KANASTER once per crop.

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

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

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

KANASTER is not recommended for the control of black grass in winter or spring wheat.

CROP SPECIFIC INFORMATION

Crops

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

Timing

Spray after 1st February to before flag leaf sheath extending stage (GS41) of the crop. Spraying should be done when the majority of weeds have germinated, but before weed competition reduces yield.

Rates of use

Apply KANASTER at 0.5 - 1.0 litres per hectare. The dose rate of KANASTER depends on target grass species and season.

WEED CONTROL

Winter and spring wheat and winter and spring barley

Wild oats – apply 0.75 litres per hectare KANASTER from 1st leaf unfolded to flag leaf ligule visible.

Italian rye-grass and perennial rye-grass (from seed) – apply 0.75 litres per hectare KANASTER 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 0.5 litres per hectare may give acceptable levels of control. Always use as part of a weed control programme including other products active against ryegrasses.

Winter and spring barley

Black grass – as part of an integrated control strategy – apply 1.0 litres per hectare KANASTER after 1st February up to the 7 tiller stage (GS27). Always use in sequence with other products with different modes of action that are active against black grass and as part of an integrated weed control programme. Where resistant biotypes are present control will be unacceptable.

FOLLOWING CROPS

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

MIXING AND SPRAYING

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 KANASTER 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 KANASTER 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 KANASTER 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.

To access the Safety Data Sheet for this product, scan QR code:



Alternatively, contact your supplier.

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