



DuPont™
Collage®
MAIZE HERBICIDE

GROUP

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HERBICIDE



PCS No. 05273

An oil dispersion formulation containing 60 g/kg nicosulfuron and 4 g/l thifensulfuron-methyl for broad-leaved weed and grass weed control in maize.

Manufactured in the E.U.



FOR PROFESSIONAL USE ONLY

Approval holder: Du Pont (UK) Limited, Crop Protection Products,
Wedgwood Way, Stevenage, Herts. SG1 4QN. England
Tel: +44 (0)1438 734450 or enquiry.agproducts@gbr.dupont.com
Emergency Tel: 01 901 4670
Poisons Information Number: 01-809 2166

Contents:

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Safety Information
COLLAGE®

Herbicide
containing 60 g/kg nicosulfuron and
4 g/l thifensulfuron-methyl

Causes skin irritation
May cause an allergic skin reaction
Very toxic to aquatic life with long lasting effects.

Avoid breathing fumes/ vapours / spray

Wear protective gloves / protective clothing

IF ON SKIN: Wash with plenty of soap and water

If skin irritation or rash occurs; Get medical advice / attention

Take off contaminated clothing and wash it before re-use

Collect spillage

Dispose of contents / container to a licensed hazardous-waste
disposal contractor or collection site except for triple rinsed empty
clean 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).

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

WARNING



K-35827/31504 - IRELAND

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SAFETY PRECAUTIONS

Operator protection

Operators must wear suitable protective gloves and eye / face protection when handling the concentrate and contaminated surfaces. When using do not eat, drink or smoke. WASH HANDS AND EXPOSED SKIN before meals and after work.

Environmental Protection

Do not contaminate ponds, waterways or ditches with chemical or used container.

To protect aquatic organisms respect an unsprayed buffer zone of 5 m to surface water bodies.

Aim spray away from water.

Storage and Disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS. KEEP OUT OF REACH OF CHILDREN. Do not re-use container for any purpose and dispose of safely. KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place. EMPTY CONTAINER COMPLETELY and dispose of safely

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crop: Forage Maize

Maximum individual dose: 0.75 l/ha

Maximum total dose: 0.75 l/ha

Latest time of application: 8 leaf stage

Method of application: Tractor mounted / Trailed sprayer

Read the label before use. Using this product in a manner that is inconsistent with the label may be an offence. Refer to Good Plant Protection Practice (GPPP)

PCS No. 05273

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

- COLLAGE should not be applied to any crop suffering from stress as a result of drought, waterlogging, low temperatures, pest or disease attack, nutrient or lime deficiency or other factors reducing crop growth.
- Do not use COLLAGE on crops undersown with grasses, clover or other legumes or any other broad-leaved crop.
- Due to the high level of activity of the herbicide, special care must be taken to avoid damage by drift onto broad-leaved plants outside the target area, or onto ponds, waterways or ditches. Thorough cleansing of equipment is also very important - see below.
- Contract agents should be consulted before using on crops grown for seed.
- Do not apply COLLAGE more than once to any maize crop.
- Do not apply COLLAGE to forage maize treated with organophosphate (OP) insecticides.
- All requirements or restrictions on other product labels must be adhered to when applied to the same crop as COLLAGE. Contact your DuPont distributor for further information.

Weed control

COLLAGE contains nicosulfuron and thifensulfuron methyl, sulfonylurea (ALS inhibitor) herbicides which work mainly by contact action and is most effective if applied when the weeds are small and actively growing. Good spray cover of the weeds must be obtained for best results. Susceptible plants cease growth almost immediately after application and symptoms can be seen about two weeks after application. Weed control may be reduced when soil conditions are very dry.

The following weeds are susceptible from the cotyledon to 4 leaf stage:

- Annual meadow grass (*Poa annua*)
- Couch (*Elytrigia repens*) – top growth only
- Green foxtail (*Setaria* spp.)
- Redshank (*Polygonum persicaria*)
- Red deadnettle (*Lamium purpureum*)
- Mayweed spp.
- Fat hen
- Common Chickweed

Resistance

When herbicides with the same mode of action are used repeatedly over several years in the same field, selection of resistant biotypes can take place. These can propagate and may become dominating. A weed species is considered resistant to a herbicide if it survives a correctly applied treatment at the recommended dose. Development of resistance with a weed species can be avoided or delayed by alternating (or tank mixing) with suitable products having a different mode of action. COLLAGE should be used in mixture and/or sequence with other mode of action herbicides, particularly in continuous maize, as part of a weed resistance management plan.

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 Committee and copies are available from your distributor, crop advisor or product manufacturer. This product contains nicosulfuron and thifensulfuron methyl, which are ALS inhibitors, also classified by the Herbicide Resistance Action Committee as 'Group B'. Use only as part of a resistance management strategy that includes cultural methods of control and does not use ALS inhibitors as the sole chemical method of grass-weed control.

Crops

COLLAGE can be used on all varieties of maize between the growth stages given below. Under certain climatic, soil and crop conditions

some slight chlorosis and stunting of the crop may occur. Affected crops will quickly recover with no effect on yield.

Dose

Apply COLLAGE at 0.75 l/ha.

Timing

COLLAGE may be applied from the 2 leaf stage (BBCH 12) up to and including the 8 leaf stage of crop growth (BBCH18).

Following crops

Winter wheat and winter barley may be sown, after ploughing, in normal crop rotation. All other crops may be sown in the following spring. In the case of crop failure, maize may be re-sown after ploughing.

Volume and application

BEFORE USING ACCENT, SPRAYING EQUIPMENT MUST BE CLEAN AND FREE FROM CONTAMINATION WITH OTHER PESTICIDES.

Application should be made in 200-400 litres of water per hectare, using suitable ground equipment to give good spray cover of the weeds. The higher volume is recommended when crops are thick or weed growth is dense. Care should be taken not to overlap spray swaths.

Mixing

Quarter fill the spray tank with clean water, start the agitation and add the required quantity of COLLAGE directly to the tank without prior creaming. Continue agitation while topping up the tank and while spraying.

Compatibility

In any tank-mix add COLLAGE to the tank first and ensure it is fully dispersed before adding the partner product. Do not allow COLLAGE to come into contact with undiluted pesticide concentrate. Products should only be tank-mixed if each product can be applied within the label recommendations for its use. For further information contact your DuPont distributor.

SPRAY TANK CLEAN-OUT

POOR CLEANOUT PRACTICES AND INSUFFICIENT WATER VOLUMES USED FOR THE RINSE PROCEDURE MAY RESULT IN INADEQUATE REMOVAL OF PRODUCT DEPOSITS. SUBSEQUENT USE OF APPLICATION EQUIPMENT IN THESE CIRCUMSTANCES MAY RESULT IN DAMAGE TO NON-CEREAL CROPS.

TO AVOID SUBSEQUENT DAMAGE TO CROPS OTHER THAN MAIZE, IMMEDIATELY AFTER SPRAYING COLLAGE THOROUGHLY CLEAN ALL SPRAY EQUIPMENT, INCLUDING INSIDE AND OUTSIDE OF LID, USING THE FOLLOWING PROCEDURE:

1. Immediately after spraying, drain tank completely. Any contamination on the outside of the spraying equipment should be removed by washing with clean water.
2. Rinse inside of tank with clean water and flush through boom and hoses using at least one-tenth of the spray tank volume. Drain tank completely.
3. Half fill tank with clean water and add All Clear Extra at the recommended rate. Agitate and then flush the boom 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. Again flush the boom and hoses and drain tank completely.
4. Nozzles and filters should be removed and cleaned separately with an All Clear Extra solution containing 50 ml of All Clear Extra per 10 litres of water.
5. Rinse the tank with clean water and flush through the boom and hoses using at least one-tenth of the spray tank volume. Drain tank completely.
6. Dispose of washings safely. Do not spray onto sensitive crop or land intended for cropping with sensitive crop.

NOTE: If it is not possible to drain the tank completely, step 3 must be repeated before going on to step 4.

WARNING

EXTREME CARE SHOULD BE TAKEN TO AVOID DAMAGE BY DRIFT OF SPRAY ONTO BROAD-LEAVED PLANTS OUTSIDE THE TARGET AREA OR ONTO PONDS, WATERWAYS OR DITCHES. SPRAYING EQUIPMENT SHOULD NOT BE DRAINED OR FLUSHED ONTO LAND PLANTED WITH OR INTENDED FOR PLANTING WITH TREES OR CROPS OTHER THAN CEREALS.

NOTICE TO BUYER

All goods supplied by us are of a high grade and we believe them to be suitable for any purpose for which we expressly supply them, but as we cannot exercise control over their mixing or use, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use.

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