

HERBICIDE

COMPATIBILITY

Contact Syngenta Crop Protection on 0800 1696058 for information on compatibilities.

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.

WEEDS CONTROLLED

RETRO may be used for the post-emergence control of common chickweed: pre-crop emergence in sugar beet, bulb and vegetable crops and pre-emergence or early post-emergence in potatoes.

PROPERTIES OF RETRO

RETRO is rainfast 15 minutes after spraying and acts rapidly on the green parts of all plants. Extreme care should be taken to avoid spray drift. RETRO is inactivated by soil and cannot affect further crops. RETRO may be applied through any standard farm sprayer.

RESISTANCE

Diquat (and paraquat) belong to the class of herbicide known as the bipyridyls. Strains of Annual Meadow-Grass and American Willowherb resistant to paraquat have been found in some hop yards/gardens and also top and soft fruit orchards. Where paraquat resistant strains are present RETRO may not give full control of these weeds.

CROP SPECIFIC INFORMATION**Timing**

Sugar beet, bulbs, vegetable crops	Before crop emergence or transplanting. Note: On sandy or peat soils allow 3 days between spraying and expected crop emergence or transplanting.
Potatoes	Early crops: up to 10% emergence. Main crops: up to 40% emergence, provided no plant is more than 15cm high. Do not apply after emergence to crops growing from diseased seed or very small tubers, or under very hot dry conditions.

Rate of Use

2.0 litres per hectare RETRO.

Volume of Water

200–500 litres per hectare.

Add a non-ionic surfactant adjuvant that is not an organosilicone in accordance with the manufacturer's instructions.

Effectiveness may be reduced where shoot regrowth is dense.

MIXING AND SPRAYING**Application**

Apply as an overall spray for the control of common chickweed. RETRO should be applied through a ground sprayer in good condition. Do not apply through mistblowers.

Mixing

Fill the spray tank nine tenths full of clean water, then start agitation. Add the recommended quantity of RETRO to the sprayer using a filling device (e.g. induction hopper), or by direct

HERBICIDE

addition to the spray tank. Thoroughly rinse empty containers, preferably use an integrated pressure rinsing device (or manually rinse three times). Add washings to the sprayer at the time of filling. Top up tank with water to the required volume. Continue agitation until spraying is completed.

Spraying

It is essential to spray accurately and to obtain complete coverage of the common chickweed:

- Make sure nozzles are in good condition
- Apply by conventional hydraulic sprayer (high clearance if necessary) as a MEDIUM QUALITY SPRAY (as defined by the BCPC) using a pressure of 2–3 bar. For the higher spray volumes use twin outlet nozzles or twin spray booms.
- Ensure that the sprayer is correctly calibrated before use.
- Do not leave spray liquid in the sprayer for long periods (ie during meals or overnight).

Water usage:

- Use only clean water.
- Apply application volumes as per individual crop recommendations. Use higher volumes for dense growth.

Avoid Spray Drift. Do not spray in windy conditions.

HERBICIDE

SAFETY PRECAUTIONS

Precautions marked * are a legal requirement.

(a) Operator protection

- * Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment.
- * WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate and when handling contaminated surfaces.
- * WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES AND RUBBER BOOTS when applying by hand held equipment.
- * WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when applying by vehicle mounted equipment.
- * However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.
TAKE OFF IMMEDIATELY all contaminated clothing.
WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.
WASH CONCENTRATE from skin or eyes immediately.
DO NOT BREATHE SPRAY.
WASH HANDS AND EXPOSED SKIN before eating and drinking 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.
- * HARMFUL TO LIVESTOCK. Keep all livestock out of treated areas for at least 24 hours after treatment.
 - * DO NOT USE STRAW (OR HAULM) FROM TREATED CROPS AS ANIMAL FEED (OR BEDDING) for at least four days after last application.

(c) 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.
- * DO NOT RE-USE CONTAINER FOR ANY PURPOSE.

RETRO



TOXIC



**DANGEROUS
FOR THE
ENVIRONMENT**

Contains 200 g/litre (16.7% w/w) diquat as dibromide
Contains Diquat. May cause an allergic reaction.

HARMFUL IF SWALLOWED.

TOXIC BY INHALATION

**IRRITATING TO SKIN AND RESPIRATORY
SYSTEM.**

**TOXIC: DANGER OF SERIOUS DAMAGE TO
HEALTH BY PROLONGED ORAL EXPOSURE.**

**VERY TOXIC TO AQUATIC ORGANISMS, MAY
CAUSE LONG-TERM DAMAGE IN THE AQUATIC
ENVIRONMENT.**

Keep out of reach of children.

Keep away from food, drink and animal feeding stuffs.

When using do not eat, drink or smoke.

After contact with skin, wash immediately with water.

Wear suitable protective clothing and gloves.

In case of accident or if you feel unwell seek medical advice
immediately (show this label where possible).

Use appropriate containment to avoid environmental
contamination.

This material and its container must be disposed of in a safe way.

**To avoid risks to man and the environment, comply with
the instructions for use.**

HERBICIDE

THE (COSHH) CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS MAY APPLY TO THE USE OF THIS PRODUCT AT WORK

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL HERBICIDE

For use on:

Crops	Maximum individual dose (litres product/ha)	Maximum total dose (litres product/ha/crop)	Maximum number of treatments (per crop)	Latest time of application
Potatoes	2	–	1	At crop emergence (10% of crop emerged for earlies and 40% of crop emerged for main crop)
Ornamental plant production	2	–	1	Before crop emergence or transplanting
Sugar beet	2	–	1	Before crop emergence
All edible crops, all non-edible crops	2	–	–	Before crop emergence or transplanting

Other specific restrictions:

This product must not be applied through ultra low volume equipment (ULVA) or mistblower equipment

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.

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In case of toxic or transport emergency ring 01484 538444 any time.