

CLAYTON CHLORON 500 FL

MAPP 10791

contains 500 g/l (43.9 % w/w) chlorotoluron

A suspension concentrate for the control of black-grass, wild-oat, certain annual grasses and broad-leaved weeds in specified varieties of winter wheat, winter barley and triticale.



HARMFUL

HARMFUL IF SWALLOWED

IRRITATING TO EYES AND SKIN

Limited evidence of a carcinogenic effect
Possible risk of harm to the unborn child



DANGEROUS FOR THE ENVIRONMENT

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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

COMPLIANCE WITH THE FOLLOWING CONDITIONS OF USE AND ALL SAFETY PRECAUTIONS MARKED ❖ IS A LEGAL REQUIREMENT

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crops:	winter wheat, winter barley, triticale
Maximum individual dose:	7 litres product per ha
Maximum number of treatments:	one per crop
Latest time of application:	7 litres product/ha – before 5-leaf stage 5.5 litres product/ha - before end of tillering

Other specific restrictions

For rotary atomisers the spray droplet spectra produced must be of a minimum Volume Median Diameter (VMD) 200 microns.

READ ALL OTHER SAFETY PRECAUTIONS AND DIRECTIONS FOR USE BEFORE USE

SAFETY PRECAUTIONS

Operator protection

- ❖ Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:
- ❖ WEAR SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) 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.

Wear suitable protective clothing and gloves.

WASH CONCENTRATE from skin or eyes immediately.

DO NOT BREATHE SPRAY.

WHEN USING, DO NOT EAT, DRINK OR SMOKE.

WASH HANDS AND EXPOSED SKIN before meals and after work.

IF YOU FEEL UNWELL, seek medical advice (show label where possible).

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed, seek medical advice immediately and show this container or label.

Environmental protection

DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container.

Storage and disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

KEEP OUT OF REACH OF CHILDREN.

This material and its container must be disposed of as hazardous waste.

DO NOT RE-USE CONTAINER for any purpose.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank, and dispose of safely.

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

Safety data sheet available for professional user on request.

This product is approved under the Control of Pesticides Regulations 1986.

Clayton Plant Protection (UK) Ltd. Contents: **5 litres**

Unit F10

Bracetown Business Park

CLONEE

PROTECT FROM FROST - STORE ABOVE 5°C

Co. Meath

Ireland.

Tel: (00 353) 1 8210127

Batch No:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains chlorotoluron). UN 3082; Class 9; Packing group III
--

Conditions of Supply: all goods supplied by us are of high quality and we believe them to be correct but, as we cannot exercise control over their storage, handling, mixing or use, or weather conditions before, during and after application which may affect the performance of the goods, 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 or resellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.

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.

CROPS AND VARIETIES

Winter wheat, winter barley and triticale of the undernamed varieties may be treated. DO NOT treat undersown crops or those crops to be undersown.

Winter wheat

Apostle	Brimstone	Fortress	Mission
Armada	Brock	Hornet	Norman
Avalon	Fenman	Mercia	Pastiche

Winter barley

Concert	Magie	Monix	Vixen
Gerbel *	Marinka	Plaisant	Waveney
Kira			

* Only treat if being grown on sandy clay or heavier soil (ADAS Soil Texture 85 System).

Triticale

Lasko	Purdy	Salvo
-------	-------	-------

RECOMMENDATIONS (winter wheat, winter barley and triticale)

Application rate	Timing and remarks
<u>Full Autumn Rate</u> 7 litres per ha (5 pints per acre)	<u>Pre-emergence until 30 November</u> Apply before crop emergence within 7 days of drilling. This treatment controls black-grass, other susceptible annual grasses and broad-leaved weeds and is usually the most effective against wild-oat. <u>Post-emergence until 31 December</u> Apply between the 1 - 4 leaves stage of the crop. Crops must have been drilled by 30 November. This treatment controls black-grass up to the 5-leaf stage, other susceptible annual grasses and broad-leaved weeds and is usually effective against wild-oat up to the 2-leaf stage. Further treatment with a specific wild-oat herbicide may be required against heavy populations of wild-oat.
<u>Spring Rate</u> 5.5 litres per ha (4 pints/per ac)	<u>Post-emergence until the end of tillering</u> Apply from 1st January onwards from the 3-leaf stage of the crop until the end of tillering. Crops must have been drilled by 31 January. This treatment controls black-grass up to the 5-leaf stage and susceptible annual grasses and broad-leaved weeds.

See also WEED CONTROL

CROP AND SOIL CONDITIONS

Straw and trash must be removed and any ash removed or dispersed. The seed must be drilled 25mm (1") deep into a firm seedbed and well covered. Broadcast crops may be treated only when fully established.

Seedbeds must have adequate fine-medium crumb; do not treat cloddy soils. Roll after drilling if possible. At application no clods should be larger than fist size. DO NOT roll or harrow crops within 7 days before treatment or roll autumn treated crops after treatment until the following spring. DO NOT harrow crops after spraying.

DO NOT spray crops suffering stress from any cause, such as drought, waterlogging, frost, severe disease or pest attack, grazing, nutrient deficiency or excessive soil compaction as crop damage may occur. DO NOT spray during or shortly before frost as crop damage may occur.

DO NOT use on very stony or gravelly soils, or on soils containing more than 10% organic matter. On free draining and stony soils low in organic matter, crop damage may occur if heavy rain falls soon after application. On silty soils, control of grass weeds may be reduced if these germinate from a depth below the level of herbicidal activity.

WEATHER CONDITIONS

Ideally spray during a period of mild weather, free of frost. Early sown crops, e.g. September drilled, may be subject to damage if application coincides with a period of rapid growth in the autumn. Adequate soil moisture is essential for herbicidal activity. Dry weather after application may lead to poor weed control.

APPLICATION

Apply the recommended quantity of Clayton Chloron 500 FL in 200-400 l/ha water (18-36 gal/acre) as a MEDIUM spray (BCPC definitions). However, when applied pre-emergence of the crop and not in tank-mixture, application may be made by a boom mounted rotary atomiser controlled droplet application (CDA) sprayer in a minimum 60 litres of water per ha. Use the highest water volume in dense crops and at the later growth stages. Avoid spray drift. Do not spray in windy weather. Apply accurately to give even coverage preferably using 110° flat fan nozzles when applying with conventional hydraulic sprayers. Avoid overlapping spray swaths and local overdosing.

MIXING

Shake the container thoroughly before pouring. Half-fill the spray tank with clean water. With the sprayer contents under agitation, add the required quantity of Clayton Chloron 500 FL. Continue agitation whilst topping up the tank with water and until the mix is sprayed out. When tank-mixing with other products, add Clayton Chloron 500 FL to the spray tank first. Spray immediately after mixing.

WEED CONTROL

Weeds susceptible to the full autumn or spring rate of Clayton Chloron 500 FL:

Black-grass #	Black-bindweed *
Meadow-grass, annual *	Charlock *
Meadow-grass, rough *	Chickweed, common *
Rye-grasses *	Fat-hen *
Wild-oat #	Mayweed spp. *
	Poppy, common *

* susceptible pre-emergence and post-emergence at seedling stage only (up to 2-leaf stage or 2 expanded true-leaves)

see RECOMMENDATIONS table for susceptible growth stages.

Further treatment with a specific wild-oat herbicide may be required in the spring against heavy populations of wild-oat.

Resistant weeds include: cleavers, speedwell spp. and perennial broad-leaved weeds.

Strains of some annual grasses, e.g. black-grass, wild-oat 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.

CLEANING OF EQUIPMENT

After each days use thoroughly clean all equipment with water and a cleaning agent recommended for the cleaning of sprayers.