

CLAYTON BUZZ

MAPP 12509

Contains 500 g/l (43.8% w/w) metazachlor in a suspension concentrate

For the control of certain annual grass and broad-leaved weeds in winter and spring oilseed rape, broccoli, Brussels sprouts, cabbage, calabrese, cauliflower, swedes, turnips, around ornamental trees and shrubs, nursery fruit trees and in forestry.



HARMFUL

**Harmful if swallowed
May cause sensitisation by skin contact**



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.

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL/FORESTRY HERBICIDE

Crop	Maximum individual dose of product	Maximum number of applications	Latest time of application
Winter oilseed rape	2 l/ha	One per crop	Before 1 February in the year of harvest
Spring oilseed rape	1.5 l/ha	One per crop	Before 10 true leaves
Broccoli/calabrese Brussels sprout Cabbage Cauliflower	1.5 l/ha	One per crop	Six weeks before harvest
Swede Turnip	1.5 l/ha	One per crop	Pre-emergence of the crop
Ornamental plant production Amenity vegetation Forest Forest nurseries	2 l/ha	One per year	-
Nursery fruit trees	2 l/ha	One per year	See Other specific restrictions

Other specific restrictions

1. A maximum total dose of 1 kg metazachlor per ha may only be applied in a three-year period on the same field.
2. After use on nursery fruit trees, any fruit harvested within one year of application must be destroyed.

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.

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.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND RUBBER BOOTS when applying by hand-held equipment.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

Wear suitable gloves and eye/face protection.

WHEN USING, DO NOT EAT, DRINK OR SMOKE.

WASH CONCENTRATE from skin or eyes immediately.

DO NOT BREATHE SPRAY.

WASH HANDS AND EXPOSED SKIN before meals and after work.

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

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.

KEEP LIVESTOCK OUT of treated areas of swede and turnip for at least five weeks following treatment.

KEEP LIVESTOCK OUT of treated areas until poisonous weeds, such as ragwort, have died and become unpalatable.

Storage and disposal

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

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

DO NOT RE-USE CONTAINER for any purpose.

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

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.

**Clayton Plant Protection (UK) Ltd.,
Bracetown Business Park
Dublin 15, Ireland**

Contents: **5 litres**
SHAKE THOROUGHLY BEFORE USE
PROTECT FROM FROST

Tel: (00 353) 1 8210127

Batch No:

Permit holder: Clayton Plant Protection Ltd, address as above.

This product is approved under the Plant Protection Products Regulations.

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

Clayton Buzz is taken up from the soil solution by the roots of weeds, thus soil moisture is essential for activity.

Cautions

High transpiration rates leading to high uptake of metazachlor or too much metazachlor in the soil solution in the root zone of the germinating crop may lead to reduced seedling vigour or loss of plants; this situation can also arise on stony or brash soils owing to rapid transfer of metazachlor to the crop root zone. The main factors leading to phytotoxicity and ways of avoidance are listed:

Heavy rain:	<i>Avoid or delay a pre-emergence application if heavy rain is forecast.</i>
Excessive irrigation:	<i>Limit irrigation to 10 mm per application.</i>
Insufficient soil cover:	<i>Drill accurately to 15 mm depth measured after firming. Harrow after drilling; harrow direct drilled crops across the line of drilling to ensure coverage of the seed before spraying. Treat broadcast sown crops only post-emergence when firmly established.</i>
Inadequate consolidation:	<i>Roll poorly consolidated seedbeds after drilling but before spraying.</i>
Soil of too low adsorbency:	<i>Classify soil accurately and follow the recommendations. Soils are classified as per ADAS Soil Textures (85 system).</i>

Favourable conditions for vigorous crop growth e.g. adequate soil nutritional status, appropriate pH, sound drainage, lack of soil compaction, absence of pests and diseases, are required before treatment; do not treat if these conditions are not met.

Some leaf scorch may occur following application in frosty weather. Do not apply during frosty weather or if frost is forecast, especially if another product is to be applied in tank-mix also. Do not treat crops under moisture stress or suffering wilting.

TREATMENTS FOR WINTER OILSEED RAPE

Apply Clayton Buzz as one element in a comprehensive weed control programme either pre-crop emergence or post-crop emergence as appropriate to the conditions.

Pre-emergence treatment

Situations treatable	Dose and timing	Remarks
<ul style="list-style-type: none"> ✓ MEDIUM and HEAVY soils. ✓ seed drilled 15 mm deep and covered ✓ firm, fine, moist seedbed 	2 l/ha in at least 110 l/ha water. Spray after drilling and before crop germination; this could be no more than 48 hours after drilling when the soil is warm and moist.	Usually gives best overall results if qualifying conditions can be met.
Exclusions		
<ul style="list-style-type: none"> ✗ not SANDS, VERY LIGHT or LIGHT soils ✗ not stony soils ✗ not organic soils # ✗ not broadcast crops ✗ not late drilled 		

Stony soils: soils containing 5 % or more by volume of stone or brash, greater than 2 mm across.

Late drilled: usually after about 7 September in northern England and Scotland to about 14 September in southern England.

Post-emergence treatment

Situations treatable	Dose and timing	Remarks
<ul style="list-style-type: none"> ✓ LIGHT, MEDIUM and HEAVY soils ✓ firm, fine, moist seedbed 	2 l/ha in at least 220 l/ha water. Spray as soon as possible after the crop has fully expanded cotyledons but before weed emergence.	Normally not as effective as a pre-emergence treatment, but can be used in a wider range of situations.
Exclusions		
<ul style="list-style-type: none"> ✗ not SANDS or VERY LIGHT soils ✗ not organic soils # 		

Organic soils: soils with greater than 10% organic matter

SPRING OILSEED RAPE, SWEDES, TURNIPS

Apply Clayton Buzz as one element in a comprehensive weed control programme.

Situations treatable	Dose and timing	Remarks
✓ LIGHT, MEDIUM and HEAVY soils	1.5 l/ha in 220-450 l/ha water.	If the ideal seed bed was not attained make some compensation by using the highest recommended volume of water.
✓ seed drilled 15 mm deep and covered	Spray after drilling and before crop germination; this could be no more than 48 hours after drilling when the soil is warm and moist.	
✓ firm, fine, moist seedbed		
Exclusions	Post-emergence option for spring oilseed rape only: spray when the crop has fully expanded cotyledons but before weed emergence. Do not spray after the crop has 10 true leaves.	
✗ not SANDS or VERY LIGHT soils		
✗ not organic soils #		
✗ not broadcast crops		

soils with greater than 10% organic matter

TRANSPLANTED CROPS OF BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CALABRESE, CAULIFLOWER

Apply Clayton Buzz as one element in a comprehensive weed control programme.

Situations treatable	Dose and timing	Remarks
✓ LIGHT, MEDIUM and HEAVY soils	1.5 l/ha in 220-450 l/ha water.	Roots of the transplants must be well covered and firmed. Do not treat if these conditions are not met or if the plants are wilting. If the ideal planting bed was not attained make some compensation by using the highest recommended volume of water. Do not treat during periods when cold nights follow warm days. Transplants grown in modules or blocks may be more susceptible to herbicide damage on account of their soft growth; proceed cautiously and treat a small area initially to assess their reaction.
✓ firm, fine, moist seedbed	Spray when the crop has become established and acclimatised before weed emergence. Do not spray later than 6 weeks before harvest.	
Exclusions		
✗ not SANDS or VERY LIGHT soils		
✗ not organic soils #		
✗ not crops under glass or polythene		

soils with greater than 10% organic matter

ORNAMENTAL TREES AND SHRUBS, NURSERY FRUIT TREES AND FORESTRY

-see Tolerant Species

Situations treatable	Dose and timing	Remarks
✓ LIGHT, MEDIUM and HEAVY soils	2 l/ha in 220-450 l/ha water	Plant roots must be well covered and surrounding soil firm. Do not treat plants under any growing stresses.
✓ firm, fine, moist surface soil	Apply only as a directed spray to the surrounding soil when the trees and shrubs have become established and/or acclimatised, but before bud burst and before weed emergence in the spring or following an alternative herbicide to remove existing weeds.	
Exclusions		Avoid spray contact with any tree foliage; the leaves of some species may be damaged.
✗ not SANDS or VERY LIGHT soils		Do not apply more 2 litres product per ha to the same area of ground in a 3-year period.
✗ not organic soils #		
✗ not on fruit trees within one year of cropping		
✗ not stock in containers		
✗ not stock under glass or polythene		

soils with greater than 10% organic matter

Tolerant species

Verify for one's-self the safety of the treatment on all-new or unusual species or varieties before proceeding to treat larger areas.

Alder	Corsican pine	Apple	Roses
Ash	Douglas fir	Cherry	
Beech	Japanese larch	Pear	
Birch	Norway spruce	Plum	
Norway maple	Scots pine		
Oak	Sitka spruce		
Poplar sets	Western red cedar		
Sweet chestnut			
Sycamore			
Wild cherry			
Willow sets			

For further information on species tolerance, please contact your Distributor.

PROTECTED CROPS

Do not treat any crop growing under glass or polythene.

MIXING AND APPLICATION

Shake the container thoroughly before use. Half-fill the sprayer tank with clean water. With the contents of the spray tank under agitation, add the required quantity of Clayton Buzz. Maintain agitation whilst topping up the tank to the required level and until the completion of spraying. Spray immediately after mixing. Apply as a MEDIUM spray (BCPC definition). Do not use filters finer than 50 mesh. Avoid overlapping spray swaths. Avoid spray drift.

COMPATIBILITY

Clayton Buzz is compatible in tank-mix with many commonly applied agrochemical products. Users are advised to conduct their own tests to satisfy for their selves the suitability of a particular mixture. All tank-mixtures must be applied in a spray volume of at least 220 l/ha. The Directions for Use of this label and those of the selected product must be strictly followed.

PROCESSED CROPS

Consult the processor before treating a crop destined for processing.

CULTIVATIONS AFTER APPLICATION

Cultivations after application should be avoided.

SUCCEEDING CROPS

After full-term winter oilseed rape: no restrictions; ploughing is not essential before the sowing of a cereal crop.

After a spring crop: plough 15 cm deep before re-cropping. Do not plant carrots, lettuce, onions or parsnips within 5 months of treatment.

Crop failure after an autumn/winter application: plough 15 cm deep. Sow in the same season only with winter wheat (not durum) or winter barley; if sowing in the spring, sow spring wheat (not durum), barley or oats, maize, field beans, peas, potatoes, linseed or any brassica.

Consult also the label of any other product that might have been used on the same crop.

WEED CONTROL

Indicated weed susceptibility to Clayton Buzz under conditions specified, e.g. a fine, firm moist soil, for application.

	Clayton Buzz at 1.5 l/ha applied pre-emergence of the weed
Black-grass	S
Dead-nettle, red	S
Forget-me not, field	S
Fumitory, common	R
Groundsel	S
Knotgrass	R
Mayweed spp.	S
Meadow-grass, annual	S
Parsley-piert	S
Poppy, common	MS
Shepherd's-purse	S
Speedwell spp.	S

S = susceptible

MS = moderately susceptible

R = resistant

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.
