


# Clayton Vista

A contact and residual herbicide for pre and post-crop emergence use against a range of broad-leaved weeds and annual meadow-grass in winter wheat and winter barley.

A suspension concentrate formulation containing 400 g/L flufenacet and 200 g/L diflufenican MAPP 16705

	<p><b>CLAYTON VISTA</b> contains 400 g/L flufenacet and 200 g/L diflufenican</p> <p><b>Warning</b></p> <p><b>Harmful if swallowed.</b>  <b>May cause an allergic skin reaction.</b>  <b>May cause damage to organs through prolonged or repeated exposure.</b>  <b>Very toxic to aquatic life with long lasting effects.</b></p> <p>Wear protective gloves/protective clothing/eye protection/face protection.          If exposed or if you feel unwell: call a poison centre or doctor/physician.          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.</p> <p><b>To avoid risks to human health and the environment, comply with the instructions for use.</b></p>
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The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

<b>IMPORTANT INFORMATION : FOR USE ONLY AS AN AGRICULTURAL HERBICIDE</b>	
<b>Crops</b>	Winter wheat and winter barley
<b>Maximum individual dose</b>	0.3 L product/ha
<b>Maximum total dose</b>	0.6 L product/ha
<b>Maximum number of applications</b>	2
<b>Latest time of application</b>	Before 31st March in the year of harvest Winter wheat: Before third tiller stage (GS23) Winter barley: Before fourth tiller stage (GS24).
<b>Other specific restrictions:</b>	
Where the second application of a sequence is made after 31st December, the first application must be made before GS13 of the crop.	
A minimum interval of 42 days must be observed between applications.	
<b>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.</b>	

Contents : 5 Litres e

Batch no :

PROTECT FROM FROST

SHAKE THOROUGHLY BEFORE USE

**Approval Holder :**

Clayton Plant Protection (UK) Ltd.,  
 Bracetown Business Park  
 Clonee, Dublin 15. Ireland.  
 Tel: (00 353) 1 8210127  
 Email: [info@cpp.ag](mailto:info@cpp.ag)  
[www.cpp.ag](http://www.cpp.ag)

**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.

## SAFETY PRECAUTIONS

### Operator Protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following: WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces. However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

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

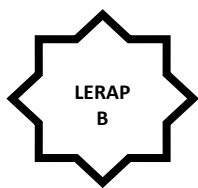
### Environmental Protection

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.

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements. Extreme care must be taken to avoid spray drift onto non-crop plants outside the target area.



DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5m of the top of the bank of a static or flowing waterbody, unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1m of the top of a ditch which is dry at the time of application. Aim spray away from water. This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with CRD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

### Storage and Disposal

DO NOT RE-USE CONTAINER for any purpose.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

KEEP OUT OF REACH OF CHILDREN.

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

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

### 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

Avoid treating crops suffering from poor soil conditions or stress factors affecting growth such as a drought, waterlogging, pests, disease, nutrient deficiency or prolonged frosty periods. Crop paling or reduction in vigour may occur if very wet weather occurs before or application resulting in waterlogging. However such effects are usually transitory and will have no adverse effect on yield.

DO NOT use on sands or very light soils (ADAS 85 classification) or very stony or gravelly soils, as there is a risk of crop damage. Shallow drilled crops must only be treated post-emergence.

DO NOT treat undersown cereals or those due to be undersown.

DO NOT use on soils containing more than 10% organic matter.

DO NOT disturb the soil after application.

DO NOT treat broadcast crops.

DO NOT incorporate into soil.

**RESISTANCE** 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 Group and copies are available from the HGCA, CPA, your distributor, crop advisor or product manufacturer.

Key aspects of the Clayton Vista Resistance Management Strategy are:

- ALWAYS follow WRAG guidelines for prevention and managing herbicide resistant weeds
- DO NOT use Clayton Vista as the sole means of grass weed or broad-leaved weed control in successive crops
- ALWAYS use grass and broad-leaved weed herbicides with alternative modes of action throughout the rotation
- ALWAYS monitor weed control effectiveness and investigate any odd patches of poor grass or broad leaved-weed control.

### CROP SPECIFIC INFORMATION

Good weed control depends on burying any trash or straw before or during seedbed preparation. Seedbeds must have a firm, fine tilth. Loose or cloddy seedbeds must be consolidated otherwise crop damage may result due to inadequate seed cover.

### RATE OF USE

Use at a rate of 0.3 litres of product/ha. Apply via a horizontal boom sprayer. Apply in 200-400 L/ha as a MEDIUM spray (BCPC category). Use the higher volume where crop or weed foliage is dense. A spray pressure of at least 2 bar is advised. Good, even spray coverage of soil and weeds is essential. Ensure that spray swaths do not overlap. To prevent damage, care must be taken to avoid drift onto neighbouring crops.

### TIME OF USE

For pre-emergence treatments, seed should be covered with a minimum of 32 mm of settled soil. Reasonable soil moisture at and after application is required to give the best results. Best results will be obtained if rain falls within 7 days of application. Residual control may be reduced under prolonged dry conditions.

Crop	Timing	Total dose and latest timings
All varieties of winter wheat	Apply pre or post-emergence up to and including second tiller stage (GS22).	<p>If the second application of a sequence is made <b>after</b> 31st December, the first application must be made up to and including GS12 of the crop.</p> <p>Where the total dose is between 0.3 - 0.6 L/ha and the first application is made <b>after</b> GS12 of the crop, the latest time of application is 31st December.</p> <p>A single application of 0.3 L/ha that is <b>not</b> part of a sequence may be made at any time up to and including GS22 (winter wheat) or GS23 (winter barley) and before 31st March.</p> <p>A minimum of 42 days must elapse between treatments.</p>
All varieties of winter barley	Apply pre or post-emergence up to and including third tiller stage (GS23).	

### WEEDS CONTROLLED AT 0.3 L/ha

Established perennial grasses and broad-leaved weeds growing from established roots will not be controlled by Clayton Vista. Speed of activity can be slow and is dependent on temperature and growing conditions, hence the final control levels may take time.

Moderately resistant pre-emergence.	Susceptible pre-emergence	Moderately susceptible post-emergence up to and including GS11 (1 whorl stage)	Moderately susceptible pre-emergence Susceptible post-emergence up to GS12 (2 leaf stage)	Susceptible pre- and post-emergence up to the early branching stage (up to 5cm)	Susceptible pre and post-emergence up to GS12 (2 leaf stage)	Moderately susceptible pre-emergence up to GS12 (2 leaf stage)
Cleavers*	Field forget-me-not Groundsel	Cleavers*	Ivy-leaved speedwell	Common chickweed	Annual meadow-grass Common field-speedwell Field Pansy Henbit dead nettle Mayweeds Red dead-nettle Shepherd's purse	Vol oilseed rape**

\* Useful levels of cleaver control can be achieved but a follow-up treatment with a specific cleaver herbicide may be required.

\*\* Levels of control provided can be variable. Well established volunteers of oilseed rape (particularly those beyond the 2 leaf stage) may survive and require a follow-up treatment with an appropriate post-emergence herbicide.

## **MIXING**

Shake the container well before use. Half fill the spray tank with clean water and add the required amount of Clayton Vista. Wash out the container and add the washings to the spray solution, before topping up with clean water. Maintain continuous agitation of spray solution. Do not leave the sprayer filled with the spray solution standing for long periods. Wash out the sprayer thoroughly after use using a wetting agent or proprietary tank cleaner with two rinses.

## **FOLLOWING CROPS and CROP FAILURE**

Plough or cultivate to at least 15cm before planting following crops of oilseed rape, field beans and edible brassicae. Ensure thorough soil mixing before planting. Plough to at least 15 cm before planting peas, sugar beet, carrots and onions. Ensure thorough soil mixing before planting. Wheat, barley and potatoes can be drilled without any special cultivations. In the event of crop failure, for any reason, plough to at least 15cm and sow only wheat, barley and potatoes. An interval of 12 weeks should elapse between treatment and subsequent sowing of spring wheat and spring barley. Where Clayton Vista and other products containing diflufenican are applied to successive cereal crops, levels of diflufenican will build up in the soil. Ploughing or cultivation with complete inversion of the furrow must take place before planting any following non-cereal crop except potatoes. Even where ploughing or cultivation is carried out there may still be a risk of damage to following crops of onions, leek and related species, or clover. Users who rent land to growers of these crops are advised not to use products containing diflufenican in successive years before renting out the land.