




## CLAYTON VIVA

An emulsifiable concentrate (EC) containing 600 g/L pyridate. A contact herbicide for selective use in maize (forage and grain).

MAPP 18264

  	<p><b>CLAYTON VIVA : An emulsifiable concentrate (EC) containing 600 g/L pyridate</b></p> <p><b>SIGNAL WORD : WARNING</b> Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.</p> <p>Wear protective gloves/ protective clothing/ eye protection. IF ON SKIN: Wash with plenty of water IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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>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 of 12 metres to surface water bodies in line with LERAP requirements.</p> <p><b>To avoid risks to human health and the environment, comply with the instructions for use</b></p>
<p>The Control of Substances Hazardous to Health (COSHH) Regulations may apply to the use of this product at work.</p>	

<p><b>Approval Holder</b> Clayton Plant Protection Ltd., Unit F10, Bracetown Business Park Clonee, Co. Meath. Ireland Tel: (00 353) 1 8210127 www.cpp.ag Email: info@cpp.ag</p> <p><b>Marketing company in UK</b> Clayton Plant Protection (UK) Ltd. Address and telephone as above.</p>	<p><b>Contents:</b> xxx L e</p> <p>PROTECT FROM FROST STORE IN A COOL, DRY PLACE</p> <p><b>UN1993</b></p> <p>Batch No:</p>
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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.

<b>IMPORTANT INFORMATION : FOR USE ONLY AS AN AGRICULTURAL HERBICIDE</b>			
<b>Crops</b>	<b>Maximum Individual dose (L/ha)</b>	<b>Maximum total dose (L/ha)</b>	<b>Latest time of application</b>
Forage maize, grain maize	0.75	1.5	BBCH18 (before 8 leaf stage)
<b>OTHER SPECIFIC RESTRICTIONS :</b>			
1. This product must not be applied via hand-held equipment. 2. Buffer zones greater than 5m are NOT eligible for buffer zone reduction under the LERAP scheme. 3. Low drift spraying equipment must be operated according to the specific conditions stated in the official three star rating for that equipment as published on HSE Chemicals Regulation Division's website. These operating conditions must be maintained until the operator is 30m from the top of the bank of any surface water bodies. 4. Applications must not be made before 15th May.			
<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>			

## **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 CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES and FACE PROTECTION (FACESHIELD) 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 they provide an equal or higher standard of protection.

WASH CONCENTRATE from skin or eyes immediately.

WASH HANDS AND EXPOSED SKIN before eating and after work.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

### **Environmental protection**

To protect aquatic organisms respect a buffer zone to surface water bodies in line with LERAP requirements. **HORIZONTAL BOOM SPRAYERS MUST BE FITTED WITH THREE STAR DRIFT REDUCTION TECHNOLOGY.** Low drift spraying equipment must be operated according to the specific conditions stated in the official three star rating for that equipment as published on HSE Chemicals Regulation Division's website. Maintain three star operating conditions until 30m from the top of the bank of any surface water bodies.

Crops/situations with >5m buffer zone: Since there is a risk to aquatic life from use, do not allow direct spray from horizontal boom sprayers to fall within 12 m of the top of the bank of any static or flowing water body, or within 1 m of the top of a ditch which is dry at the time of application. Aim spray away from water.

Buffer zones must be measured in accordance with the guidance set out in the booklet 'Local Environment Risk Assessment for Pesticides – Horizontal Boom Sprayers' available from the HSE Chemicals Regulation Division's website and any amendments made to it.

The results of the LERAP must be recorded in written form and must be available for a period of three years for inspection to any person entitled to exercise enforcement powers under or in connection with the Plant Protection Products Regulations 2011 or the Plant Protection Products (Sustainable Use) Regulations 2012. (An electronic record will satisfy the requirement of a written record, providing it is similarly available for inspection and can be copied).

**THIS PRODUCT IS NOT ELIGIBLE FOR BUFFER ZONE REDUCTION UNDER THE LERAP HORIZONTAL BOOM SPRAYERS SCHEME.**

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.

**EXTREME CARE** must be taken to avoid drift onto non-crop plants outside of the target area.

### **Storage and disposal**

KEEP OUT OF REACH OF CHILDREN

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING-STUFFS.

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



### Resistance strategy

Weed control may be reduced if resistant strains develop to pyridate. To prevent the development of resistance, CLAYTON VIVA should not be used continuously or as the sole method of weed control. Consideration should be given to alternation of products having a different mode of action (from a different chemical HRAC Group) with satisfactory efficacy against the targeted pest. Pyridate is classified as belonging to HRAC Group C3.

### Restrictions:

Apply only on dry crops

The temperature of the diluted spray solution and air should be above 10°C at spraying

Overdosing (spray boom overlap) and spray drift should be avoided

Do not apply to crops under stress e.g. from drought, nutrient deficiency or where a previous treatment has de-waxed the leaves

Do not apply during periods when night temperatures are consistently below 2°C or when day temperatures exceed 18°C.

### FOLLOWING CROPS

There is no restriction on following crops after application of CLAYTON VIVA, even in crop failure situations. Soil cultivation is not necessary.

### 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 VIVA is a contact herbicide with no residual or systemic activity. Application should be made when all weeds have emerged, provided that the crop is within the correct stage of growth and not under stress. Best results are obtained from a fine to medium spray applied whilst the weeds are small and actively growing and before the crop forms a canopy of foliage over the weeds. When the crop canopy is protecting the weeds, spray volume should be increased.

### Weeds Controlled

Under optimum conditions when weeds are actively growing, the following weeds are controlled by a 2-spray program of CLAYTON VIVA:

Susceptible	Moderately susceptible	Moderately resistant
Annual mercury (up to 4 true leaf stage) Black nightshade (up to 3 true leaf stage) Common amaranth (up to 3 true leaf stage) Common chickweed (up to 4 true leaf stage) Common orache (up to 3 true leaf stage) Fat hen (up to 4 true leaf stage) Red dead-nettle (up to 4 true leaf stage)	Cleavers (up to 4 true leaf stage)	Black bindweed (up to 3 true leaf stage) Ivy-leaved speedwell (up to 1 true leaf stage)

For optimum control the weeds should be treated before the 4 leaf stage and when the ambient daytime temperature is above 10°C.

Do not apply during periods when night temperatures are consistently below 2°C or when day temperatures exceed 18°C.

Weeds not emerged at the time of application will not be controlled.

### APPLICATION

**Maize Timing:** Apply CLAYTON VIVA between the 2 leaf and the 8 leaf stage of the maize crop.

Applications should be made before the 8 leaf stage (GS BBCH 18) and never before the 2 leaf stage (GS BBCH 12).

**Dose:** Apply CLAYTON VIVA as a sequence of two applications of 0.75 L/ha with an interval of 7 days between the two applications.

Maximum total dose per crop: 1.5 L/ha.

**Tank mixtures and sequences.** Consult your adviser for information regarding any tank mixtures and sequences.

**PREPARATION OF THE SPRAY SOLUTION**

Half fill the spray tank with clean water and begin agitation. Add the required quantity of CLAYTON VIVA to the tank and complete filling. Continue agitation until spraying is completed. Thoroughly wash all spray equipment with water and a wetting agent immediately after use.

**Water volume**

Apply in a water volume of 200 to 400 litres water per hectare at a minimum pressure of 2 bars. Good spray coverage is essential for effective weed control.

**Spray nozzles**

A FINE to MEDIUM quality spray (as defined by BCPC) is preferred for application of CLAYTON VIVA. Choice of nozzle is determined by consulting manufacturer's literature and selecting a nozzle that produces the required quality spray at an output consistent with the nozzle spacing on the boom, chosen forward speed, required spray volume and operating in the range 2-3 bar.

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