CLAYTON XENON

A micro-emulsion formulation containing 60g/L of carfentrazone-ethyl for the control of weeds in potatoes, desiccation of potato haulm and for weed control prior to planting any edible or non-edible crop.

Clayton Xenon contains 60g/L carfentrazone-ethyl in a micro-emulsion formulation

Signal Word : WARNING
May cause an allergic skin reaction
Very toxic to aquatic life with long lasting effects

Wear protective gloves/protective clothing/eye protection/face protection
IF ON SKIN: Wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/ attention

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 nonhazardous waste

To avoid risks to human health and the environment, comply with the instructions for use

PCS 06391

Approval Holder
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Contents: x L e

PROTECT FROM FROST
SHAKE WELL BEFORE USE

UN3082

Batch No:

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.

IMPORTANT INFORMATION : FOR USE ONLY AS A PROFESSIONAL HERBICIDE				
Crops/ situations:	**Max. individual dose: (L/ha)**	**Max. No. of applications at max. single dose.**	**Maximum total dose: (L/ha)**	**Latest time of application:**
Potato (ware)	Weed control 0.333	One per crop	0.333	Up to 10% crop emergence
	Desiccation : 1.0		1.6	7 days before harvest
Potato (seed)	Weed control : 0.333	One per crop	0.333	Up to 10% crop emergence
	Desiccation : 1.0		1.6	7 days before harvest
All edible and non-edible crops (before planting)	0.33	One	0.33	One month before planting

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 CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate
However, engineering control may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.
AVOID ALL CONTACT WITH SKIN
WASH HANDS AND EXPOSED SKIN before eating drinking and after work.
WHEN USING DO NOT EAT DRINK OR SMOKE

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

Storage and disposal

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.
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.

Restrictions

Do not leave the diluted product in the tank overnight
Clayton Xenon should not be applied through knapsack sprayers
Because some non-target plants are sensitive to Clayton Xenon, avoid spray drift onto broad-leaved crops outside the target area.

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 Xenon is a contact herbicide/desiccant which can be used for weed control in potatoes, for weed control prior to planting a subsequent crop and as a desiccant of potato haulm. Consult processors before using two or more applications of Clayton Xenon on first and second early varieties of potato as safety has not been established.
Clayton Xenon is a contact herbicide / desiccant and therefore needs good coverage to optimise efficacy. Clayton Xenon also works on leaves when crops are senescing. It is safe to use on all soil types in either dry conditions or before rain is forecast.

WEED CONTROL

Clayton Xenon is a contact only herbicide. Weeds emerging after an application will not be controlled.
The following weeds are susceptible to Clayton Xenon when applied early post-emergence:

BROAD-LEAVED WEEDS	**Growth stage**
Black bindweed	Cots – 2ETL susceptible
Cleavers	Cots – 1 whorl susceptible
Common groundsel	Cots – 1ETL susceptible
Fat hen	Cots – 1ETL susceptible
Field pansy	Cots – 4ETL susceptible

Ivy-leaved speedwell	Cots – 4ETL susceptible
Knotgrass	Cots – 3ETL susceptible
Perennial sowthistle	Cots – 2ETL susceptible
Redshank	Cots – 3ETL susceptible
Small nettle	Cots – 2ETL susceptible
Volunteer oilseed rape	Cots – 2ETL susceptible

FOR USE AS AN EARLY POST EMERGENCE HERBICIDE IN POTATOES TIMING
Crop: Clayton Xenon may be applied from pre-crop emergence up to before 5% crop emergence (i.e. 1 plant in 20 emerged) in first early varieties and before 10% crop emergence (i.e. 1 plant in 10 emerged) in second early and maincrop varieties. No plants should be more than 10cm high in any case.
Weeds: For optimum control application should be made when weeds are between the cotyledon and 2-4 expanded leaf stage. Weeds emerging after application will not be controlled. Treatment may cause burn off of emerged potato shoots within 7-10 days. Subsequent crop growth and yield are unaffected.
DOSE: The recommended dose of Clayton Xenon is 0.333 L/ha
VOLUME OF WATER AND SPRAY PRESSURE: Apply Clayton Xenon Plus in 200 L of water per hectare at a minimum spray pressure of 3 Bar using a MEDIUM spray quality

FOR USE PRIOR TO PLANTING A SUBSEQUENT CROP
TIMING : Apply Clayton Xenon when the weeds are no bigger than the maximum growth stages stated in the weed control table. An interval of 1 month must be observed before planting any subsequent crop.
DOSE: The recommended dose of Clayton Xenon is 0.333 L/ha
VOLUME OF WATER AND SPRAY PRESSURE : Apply Clayton Xenon in 200 L of water per hectare at a minimum spray pressure of 3 Bar using a MEDIUM spray quality

POTATO HAULM DESICCATION TIMING
Seed and ware crops: Apply Clayton Xenon at the onset of senescence. For crops with very vigorous haulm or where re-growth occurs following a single application a second application may be necessary to achieve satisfactory desiccation. This may be the case for certain maincrop varieties, especially Maris Piper, because of inherent vigour. A minimum interval between applications of 7 days should be observed to achieve optimum performance. Allow at least 14-21 days between the final application and lifting to allow skins to set if tubers are to be stored.
Flailed Crops: Crops should be flailed when tubers have reached the desired size and sprayed with Clayton Xenon ensuring that the flailed haulm is not covering the stems that remain. Efficacy will be reduced where flailed, haulm covers the stems at application.

DOSE
Seed and ware crops: The recommended dose of Clayton Xenon after flailing the crop is 1.0L/ha. When a second application is made this must not exceed 0.6L/ha
Volume of water and spray pressure: Apply Clayton Xenon in 300 to 600 L of water per hectare (use a higher water volume where potato foliage is dense) and at a minimum spray pressure of 3 Bar. A MEDIUM spray quality should be used.

Spray criteria: As Clayton Xenon acts by contact action only it is important to follow the application parameters stated below if optimum desiccation is to be achieved.
- Application using a well maintained and calibrated sprayer
- Volume of water adjusted to the density of foliage (300-600 L/ha).
- Pressure and forward speed adjusted to obtain the best penetration of the product into the foliage

Succeeding and replacement crops: There is no restriction on the planting of any succeeding crop 1 month after the application of Clayton Xenon.

MIXING

SHAKE WELL BEFORE USE. Half fill the spray tank with clean water. Commence agitation. Steadily pour the required amount of Clayton Xenon into the spray tank or induction bowl. Ensure all product has thoroughly mixed with the water and no traces are present in the induction bowl. Complete filling of the spray tank and maintain agitation until spraying is complete.

SPRAY TANK CLEAN-OUT

To avoid potential damage to other crops thoroughly clean all spray equipment (including inside and outside of the lid) using clean water:

1. Immediately after spraying Clayton Xenon, drain tank completely. Any contamination of the outside of the spraying equipment should be removed by washing with water to which should be added a commercially available cleaning agent
2. Rinse the inside of the tank with clean water, to which should be added a commercially available cleaning agent and flush through the boom and hoses using at least one tenth of the spray tank volume. Drain tank completely. Repeat operation.
3. Do not contaminate surface waters or ditches with rinse water or empty containers.

DISPOSAL OF EMPTY PACKAGING AND SURPLUS PRODUCT AFTER TREATMENT

The empty packaging which contained this product must be rinsed with water using a manual system (three successive rinsing procedures), or by using a system of washing with water under pressure. The water used for cleaning must be returned into the spray tank.

The packaging must be removed by the user to an assembly point established for this purpose. Dilute any surplus product left after treatment by about 10 times, and spray it on the area already treated in accordance with the instructions for use.

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