


CLAYTON REAP

A soluble concentrate formulation containing 150 g/L (13.52% w/w) glufosinate-ammonium.
A total herbicide/desiccant used in agriculture and horticulture for the control of grass and broad-leaved weeds in a range of crop and non-crop situations. MAFF 17055

Safety information. Contains 150 g/L (13.52% w/w) glufosinate-ammonium	
	<p>Danger Harmful if swallowed Toxic in contact with skin Causes serious eye damage</p> <p>May damage fertility. Suspected of damaging the unborn child May cause damage to organs (nervous system) through prolonged or repeated exposure if swallowed Obtain special instructions before use IF exposed or concerned: Get medical advice/attention Wear protective gloves/protective clothing/eye protection/face protection IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>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>

IMPORTANT INFORMATION FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL AND FORESTRY HERBICIDE/DESICCANT			
Crop	Maximum individual dose:	Maximum number of treatments:	Latest time of application:
For use in a wide range of agricultural and horticultural situations - See DIRECTIONS FOR USE.	3.0-5.0 L product/ha, dependent on use.	1-2 per crop, dependent on use	7 days before CLAYTON REAP, depending on the crop
<p>Other Specific Restrictions: Only uses as a herbicide for band or spot application may be authorised at rates not exceeding 750 g active substance/ha of treated surface per application and a maximum of two applications per year. Application must be made using low drift nozzles and/or spray shields.</p> <p>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.</p>			

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

Batch No :

Pack size : 1 to 10 L e

PROTECT FROM FROST

SHAKE WELL BEFORE USE

Approval Holder :

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

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, RUBBER BOOTS AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when adjusting and maintaining equipment.

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

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

TAKE OFF IMMEDIATELY all contaminated clothing.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH CONCENTRATE from skin or eyes immediately.

AVOID ALL CONTACT WITH SKIN, EYES AND MOUTH.

DO NOT BREATHE SPRAY. WASH HANDS AND EXPOSED SKIN before eating and drinking and after work.

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

Environmental Protection

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

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

RISK TO NON-TARGET INSECTS OR OTHER ARTHROPODS.

For advice on risk management see Directions for use.

Storage and Disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

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.

DO NOT RE-USE THIS CONTAINER for any purpose.

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.

GENERAL INFORMATION

Weed Control

CLAYTON REAP controls annual and perennial, grass and broad-leaved weeds mainly by contact action after uptake by the leaf and other aerial parts of the plant. The speed of activity is influenced by weather and plant growth conditions. Activity is quickest under warm moist conditions when the target weeds are actively growing. Under optimum growing conditions, initial effects are seen as yellowing within 2-3 days and kill is usually complete within 10 - 14 days. Although speed of activity may be affected during less favourable growing conditions (cold/dry), efficacy is unaltered.

Desiccation

CLAYTON REAP can also be used to desiccate potatoes. When applied to desiccate potato foliage, CLAYTON REAP must only be applied as a band treatment to the stems after flailing-off of haulm, such as by the 'flail and spray' technique. Use as an overall spray application is not permitted for desiccation of potato foliage Application is normally made at the onset of senescence.

RESTRICTIONS

CLAYTON REAP MUST ONLY BE APPLIED USING LOW DRIFT NOZZLES AND/OR SPRAY SHIELDS
Crops On crops for processing, consult your processor before use.

Weather

DO NOT spray if rain is imminent or likely within 6 hours of application and DO NOT apply to wet foliage if run off is likely to occur. DO NOT apply CLAYTON REAP for potato desiccation under exceptional wet weather conditions (more than 40 mm rain within 5 days prior to desiccation) or under water saturated soil conditions. Soils CLAYTON REAP is degraded after contact with the soil.

WEEDS CONTROLLED

CLAYTON REAP will control grass and broad-leaved weeds.

Annual weeds

Annual grasses and broad-leaved weeds are killed by a single application. CLAYTON REAP has no residual soil activity and will control only weeds which have emerged at the time of application.

Perennial weeds

Perennial non-rhizomatous grasses (e.g. perennial rye-grass, rough meadow-grass) and broad-leaved weeds are usually well controlled with a single application. Common couch, docks, nettles and other deep-rooted perennials may require two applications of CLAYTON REAP for control during the growing season.

CROP SPECIFIC INFORMATION

CROP DESICCATION/HARVEST AID : CLAYTON REAP can be used to desiccate potato stems to facilitate ease of harvest. CLAYTON REAP must only be applied as a band treatment to the stems after flailing-off haulm. Use as an overall spray application is not permitted for desiccation of potato foliage.

WEED CONTROL : Top fruit, pome fruit, stone fruit, nut fruit, soft fruit (strawberries, cane fruit, currants and small berries), vines and forestry. Inter-row use only.

Rates of use and timing

For optimum results, apply when weeds have at least 2 expanded leaves and are actively growing.

Crop	Application rates Litres/ha	Water volume Litres/ha	Timing	Directions
Top fruit (pome, stone and nut), soft fruit (cane fruit, currants and small berries), vines forestry	3.0 or 5.0	200-400	Apply up to 2 treatments between 1 March and 30 September.	Where perennial species are present the higher rate should be used. Do not allow spray to contact dormant or green buds, suckers, damaged or green bark and foliage or young trees which have had 'feathers' trimmed from the lower stem until the pruning has healed/ lignified over. Where young trees are grafted onto a rootstock ensure both the graft and any area of stem which may come into contact with the spray solution is lignified. Application must only be made as a band treatment.
Strawberries	3.0	200-400	Apply up to 2 treatments between 1 March and 30 Sept.	For weed and runner control in strawberries, apply through guarded no-drift sprayers. Cut the stolons from the main plant before spraying.

Desiccation

Crops for desiccation should be sprayed 10-21 days before harvest (see recommendation table).

Desiccation /harvest aid	Application rate L/ha	Water volume L/ha	Timing	Directions
Potatoes (all crops, including seed) "Flail and spray" technique ONLY	3.0	200-400	Remove the haulm by flailing, when tubers have reached the desired size (determined by test digs). Leave stems of approximately 15-20 cm. Apply CLAYTON REAP after flailing and preferably within 24 hours to prevent re-growth. Allow skins to set if tubers are to be stored.	CLAYTON REAP can be used on all varieties except Kerrs Pink for use either as seed or ware. CLAYTON REAP can also be used during dry conditions with no risk of increase in incidence of naturally occurring internal vascular browning. Ensure dry, well ventilated conditions when in store. Application must only be made as a band treatment.

Volume and pressure

Conventional volume : 200-400 litres of water/ha. Pressure: 2-3 bar. Spray quality: MEDIUM
Use the higher volume when desiccating dense crops, where target weeds are large or populations dense, or when treating established grassland. Avoid spray drift onto adjacent crops. Additional wetters should not be used.

If using a knapsack sprayer CLAYTON REAP MUST ONLY BE APPLIED USING LOW DRIFT NOZZLES AND/OR SPRAY SHIELDS. Use 0.25 litres in 20 litres of water. Ensure even coverage but do not spray to run-off. Apply to 500 square metres. Additional wetters should not be used.

Latest time of application/Number of treatments

Crop/Situation	Potatoes (all crops including seed)	Top fruit (pome, stone, tree-nuts), grapevines, soft fruit (cane fruit, currants, small berries), forestry, strawberries
Latest time of application	7 days before harvest	Apply between 1 March and 30 September.
Maximum number of treatments	1 per crop	2 per year

MIXING Add the recommended quantity of CLAYTON REAP to the spray tank half-filled with the required volume of clean water. Add the remainder of the water with the sprayer agitation system working gently. Agitate gently before and during spraying.

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.