



KURTAIL

MAPP 15329

Contains 150 g/l (13.52 % w/w) glufosinate-ammonium as a soluble concentrate.

KURTAIL is a phosphonic acid contact herbicide for crop desiccation and non-selective control of grass and broad-leaved weeds in a range of crop and non-crop situations.

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

Contents: 0.5 Litres.

Batch No. 000000

Approval Holder: Pure Amenity Limited Unit 4A, Primrose Hill, Buttercrambe Road, Stamford Bridge, North Yorks. YO41 1AW United Kingdom	Marketing Company: Progreen Weed Control Solutions Kellington House South Fen Business Park South Fen Road Bourne, Lincs, PE10 0DN United Kingdom
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For 24 hour emergency information contact Pure Amenity 0845 257 4710.

KURTAIL (MAPP 13976)
A soluble concentrate containing 150 g/l (13.52% w/w) glufosinate-ammonium.



**HARMFUL IN CONTACT WITH SKIN AND IF SWALLOWED.
RISK OF SERIOUS DAMAGE TO EYES**

HARMFUL

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and face/eye protection.

To avoid risks to man and the environment, comply with the instructions for use.

Important Information

**FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL AND FORESTRY
HERBICIDE OR DESICCANT.**

Crops	Maximum individual dose (l product/ha)	Maximum No of applications	Latest time of application
Potatoes excluding seed crops	3.0 L/ha	4 per crop*	7 days before harvest
Potatoes with haulm destroyed by flailing (including seed crops)	3.0 L/ha	1 per crop	7 days before harvest
Oilseed rape, linseed, dry harvested peas and field beans	3.0 L/ha	2 per crop**	7 days before harvest
Non-cropped land and land temporarily removed from production.	5.0 L/ha	2 per year	-
Strawberries	5.0 L/ha	2 per year	30 th September
Top fruit (pome, stone & tree nuts), grapevines, soft fruit (cane fruit, currants & small berries) & forestry	5.0 L/ha	3 per year	30 th September
Pre-drilling, pre-planting or pre-emergence of any crop	3.0 L/ha	1 per crop	Pre crop emergence
Grassland destruction	5.0 L/ha	1 per year	Before winter dormancy.

* Includes two applications for desiccation

** Includes one application for desiccation

READ THE LABEL BEFORE USING. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTANT 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 protection 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 (FACE SHIELD) when handling the concentrate.

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

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

However, engineering control of operator exposure 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.

WASH CONCENTRATE from skin or eyes immediately.

WHEN USING, DO NOT EAT, DRINK OR SMOKE.

AVOID ALL CONTACT WITH SKIN, EYES OR MOUTH.

DO NOT BREATHE SPRAY.

WASH HANDS AND EXPOSED SKIN before eating or drinking and after work.

IF YOU FEEL UNWELL, seek medical advice and show this label where possible.

Environmental Protection

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

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

RISK TO NON TARGET INSECTS AND OTHER ARTHROPODS. For advice on risk management, see Directions For Use.

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

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

DO NOT RE-USE CONTAINER FOR ANY PURPOSE.

PROTECT FROM FROST.

DIRECTIONS FOR USE

NOTE: These Directions for Use form part of the Approved Product label and must be read before using the product.

KURTAIL is a non-selective contact herbicide that can be used to control annual and perennial grass and broad-leaved weeds and to aid efficient crop harvesting by desiccation of the standing crop. Rapid effects require warm moist conditions and actively growing weeds with yellowing of the treated foliage within 2-3 days of application and complete kill usually achieved after 10 – 14 days. KURTAIL will only kill weeds that have emerged at the time of application and while annual species are controlled with a single treatment, some deep-rooted perennial species (common couch, docks, nettles etc) may require two applications. Weeds should have at least two expanded true leaves at application.

When used for crop desiccation as a harvest aid, the optimum time of application is at the onset of natural senescence at least 10 – 21 days before harvest. In potatoes, this is when the top third of the haulm begins to go yellow but note that other factors may cause crop yellowing. Since treatment of potatoes with KURTAIL prior to the onset of natural senescence can cause tuber damage, other causal agents of crop yellowing should be eliminated prior to treatment.

KURTAIL is degraded after contact with the soil and crops can be drilled or planted immediately after application except on sands or very light or immature peat soils. When using KURTAIL on these soils allow 3 days to elapse before planting or drilling or before crop emergence of crops drilled prior to treatment.

Cultivation of the soil may begin 4 hours after application and KURTAIL will continue to work within the treated plants but for optimum control of creeping perennial grasses, cultivation should be delayed as long as practicable.

RESTRICTIONS

Where crops are grown for processing, consult processor before use.

DO NOT use on broadcast crops.

DO NOT spray if rain is likely to fall within 6 hours of application nor apply to wet foliage if runoff is likely to occur.

DO NOT apply KURTAIL for potato desiccation if more than 40 mm rain has fallen during the 5 days preceding treatment nor if the soil is saturated.

DO NOT allow spray to reach non-target areas since non-target plants will be damaged.

Do not use on the potato variety 'Kerrs Pink'.

Do not use additional wetters.

CROP SPECIFIC INFORMATION

Non-cropped land. Apply 3.0 - 5.0 L/ha KURTAIL between 1st March and 30th September, using the higher dose where perennial species occur. Up to two applications can be made during this period. To stop weeds invading from the field margin a strip can be treated between hedge and crop but do not spray hedge bottoms. When treating whole fields, avoid spraying within 6m of the field boundary to reduce the effects on insects or other arthropods.

Pre-cropping situations. KURTAIL can be used for a post harvest or spring clean up of emerged weeds or stubbles prior to drilling or planting the next crop when applied at 3.0 L/ha. Treatment should be made to actively growing weeds between 1st March and 30th September. Cultivations can begin 4 hours after application and drilling or planting can immediately follow application except on very light soils and sands.

Grassland Destruction. An application of 3.0 L/ha or 5.0 L/ha KURTAIL can be used to kill grassland provided application occurs before winter dormancy starts. The higher dose is required for well-established perennial swards. Where the grass has recently been heavily grazed, delay application until some regrowth occurs. The field can be ploughed the day after application as the first step in establishing a new crop.

Weed control in potatoes. An application of 3.0 L/ha KURTAIL can be used to destroy annual weeds in an emerging crop of potatoes provided that the crop is no more than 10% emerged with individual shoots no more than 5 cms tall. Emerged shoots will be severely scorched. Do not use this treatment on potato crops grown from very small or diseased tubers nor under very dry conditions.

Top fruit (pome, stone & nut), soft fruit (cane fruit, currants & small berries) vines and forestry. Annual and perennial weeds can be controlled with up to three applications of 3.0 or 5.0 L/ha KURTAIL in the period 1st March – 30th September each year. Use the higher dose rate where perennial species are present. When treating soft fruit, the application should be as a directed spray between the rows. When treating soft fruit or around trees, a guard to keep the spray off the foliage is useful. Keep spray off dormant or green buds, suckers and foliage of trees. If treating grafted root stock, ensure that the graft or any fresh pruned areas have lignified over before application.

Strawberries. Up to two applications of 3.0 or 5.0 L/ha KURTAIL can be applied between 1st March and 30th September each year as a directed spray for weed or runner control in strawberries. Before treating runners, cut the stolons from the main plant and apply 5.0 L/ha. For general weed control, apply 3.0 L/ha.

Desiccation of potatoes. When the tubers have reached the desired size, the crop haulm should be reduced by flailing, reducing the stems to 15-20 cms prior to an overall application of 3.0 L/ha KURTAIL. KURTAIL should be applied within 24 hours of flailing to prevent regrowth. When tubers are to be stored, allow the skins to set before lifting and maintain a full blight programme until desiccation is complete to prevent the risk of tuber blight. DO NOT use KURTAIL on the variety 'Kerrs Pink'.

When treating late-maturing crops with large haulms, a second application 7 days after the first spray may be required. DO NOT treat seed crops with this second application. Where canopies are dense, use the higher water volume to improve coverage. Using KURTAIL under dry conditions carries no increased risk of vascular browning in the tubers.

Winter & spring oilseed rape. Apply one application of 3.0 L/ha KURTAIL when the pods carried in the middle third of the stem are yellow and the seeds in these pods are mostly reddish brown or dark brown. This is normally 14 – 21 days before harvest. Lodged crops should be treated with the higher water volume. This treatment will also control weeds accessible to the spray.

Dry harvested peas. When the crop turns yellow and the bottom pods are hard and yellowy/brown, the crop is 10 – 14 days from harvest. Peas should have a moisture content of less than 46%. An application of 3.0 L/ha KURTAIL will aid harvest efficiency, especially if the crop is lodged and any weeds present will also be controlled. Do not treat crops intended for seed but the treated haulm may be fed to livestock once 7 days have elapsed since treatment.

Winter & spring field beans. When the stems are brown and the pods are black, the crop is perhaps 10 – 14 days from harvest and an application of 3.0 L/ha KURTAIL will improve harvest efficiency and kill any weeds present.

Linseed. When 95% of the bolls are brown the crop is about 14 days from harvest and an application of 3.0 L/ha KURTAIL will improve harvest efficiency and kill any weeds present.

MIXING and APPLICATION

Before spraying it is important to check all hoses, filters and nozzles, and to ensure that the sprayer is clean and correctly set to give an even application at the correct volume.

KURTAIL should be applied in a water volume of 200 – 400 l/ha as a MEDIUM spray (as defined by BCPC) at 3-2-3 bar pressure in a tractor mounted or drawn conventional hydraulic sprayer. Use at least 300 L/ha when desiccating oilseed rape.

Half fill the spray tank with clean water. Begin gentle agitation and add the required quantity of KURTAIL. Add the remainder of the water and continue to agitate the mixture gently before and during spraying. Spray immediately after mixing and do not leave the mixture in the spray tank for long periods such as overnight or during meals.

Knapsack application. When using a knapsack for directed applications, add 0.25 litres KURTAIL to 20 litres of spray and apply to an area 500 m². Ensure good coverage of the target weeds but do not spray to run off.

COMPATIBILITY

KURTAIL is compatible with 70% w/w formulations of metribuzin when used pre-emergence of potatoes.

RESISTANCE

Whilst there are no known instances of weeds becoming resistant to glufosinate-ammonium yet, these may occur in the future and, since this is beyond the control of Progreen Weed Control Solutions, no liability for any loss or damage is accepted.

CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use or the 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 re-sellers 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.