



**For regulating the growth of grass in amenity and industrial areas, and also near ditches and rivers.
For use as a growth regulator for tree sucker control.**

Plant Growth Regulator

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SAFETY PRECAUTIONS

Precautions marked * are a legal requirement.

Operator Protection

WASH HANDS before meals and after work.

Environmental Protection

*The maximum concentration of active ingredient in treated water must not exceed 2 ppm or such lower concentration as the appropriate regulatory body may require.

*DO NOT USE TREATED WATER for irrigation purposes within three weeks of treatment and until the concentration in water is below 0.02 ppm.

DO NOT DUMP surplus herbicides in water or ditch bottoms.

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

Storage and Disposal

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

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.

REGULOX® K containers must be stored in a dry frost-proof area, away from food, feeding stuffs, fertilisers and water supplies.

The Water Act 1989 and the Control of Pollution Act 1974 and the Northern Ireland Water Act 1972, may apply to the act of applying this herbicide for the control of weeds growing by reservoirs and watercourses, e.g. rivers, streams, ditches and drains.

Use of aquatic herbicides is subject to the official "Guidelines for the use of Herbicides on Weeds in or near Watercourses and Lakes", Booklet 2078, available free of charge from the Ministry of Agriculture, Fisheries and Food, or the Department of Agriculture and Fisheries for Scotland, which should be read in conjunction with these recommendations.

PROTECT FROM FROST

SHAKE WELL BEFORE USE

WHO-classification: II (Moderately hazardous).

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

REGULOX® K		
Contains 250 g/L (21.4% w/w) Maleic Hydrazide as the potassium salt.		
To avoid risks to man and the environment, comply with the instructions for use.		

COMPLIANCE WITH THE FOLLOWING CONDITIONS OF USE AND ALL SAFETY PRECAUTIONS MARKED * IS A LEGAL REQUIREMENT FOR USE ONLY AS A HORTICULTURAL/INDUSTRIAL PLANT GROWTH REGULATOR AND AN AQUATIC PLANT GROWTH REGULATOR NEAR WATER. RESTRICTED TO PROFESSIONAL USERS.

Situation:	Maximum individual dose (litres product/ha)	Maximum number of treatments
Land not intended for cropping	22.5	2 per annum
Banks or land immediately adjacent to aquatic areas	22.5	2 per annum
	See also 'Other Specific Restrictions' and precautions marked *	
On and around tree trunks	See 'Other Specific Restrictions'	1 per annum

Other Specific Restrictions:

Users must consult the appropriate water regulatory body (Environment Agency/Scottish Environment Protection Agency) before using this product near water and must obtain their agreement before using this product to control aquatic weeds.

This product must not be applied directly to water bodies.

Treated water must not be used within three weeks and until the concentration of maleic hydrazide in water is 0.02 ppm.

A minimum interval of 8 weeks must be observed between treatments to aquatic areas.

For application to tree trunks the maximum concentration must not exceed 3.7 litres product / 5 litres water.

READ ALL OTHER SAFETY PRECAUTIONS AND DIRECTIONS FOR USE BEFORE USE.

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:

Spraying during windy weather should not be undertaken.

Care should be taken when spraying near parked cars.

Excessive run-down of fluid from the tank or careless spray drift onto grassed areas around trees should be avoided as damage to the grasses could result.

Care must be taken to avoid drift on to any other crops such as tomatoes, lettuces, brassicas, trees, shrubs and flower beds.

Mowings from the first cut of recently sprayed turf should not be used for mulching or compost. Compost made from subsequent mowing should be allowed to rot before being used as a mulch. Susceptible crops such as brassicas or tomatoes must not be mulched with such compost at any time.

REGULOX® K must not be used for suppression of sprouting in onions.

DO NOT use REGULOX® K in water supply systems, these are reservoirs, treatment works, tunnel pipes and tanks used to store, treat and supply water for human consumption (drinking, washing and cooking).

Damage may result unless all recommendations are carefully followed.

SITUATION SPECIFIC INFORMATION:**Grass Growth Regulator**

REGULOX® K is used for regulating grass growth on roadside verges and central reserves (including motorways and arterial roads), on corner approaches, bends and cross-roads, around signposts and other street furniture, in cemeteries and churchyards, on housing estates, on industrial sites and waste ground, and adjacent to aquatic situations.

REGULOX® K inhibits the growth of certain broad-leaved weeds, but for effective control a selective broad-leaved herbicide such as DORMONE® must be added.

APPLICATION AND TIMING:

Spraying should be carried out when the grass and weeds are beginning to grow actively, usually between mid March and early May depending on the season. Application should be made in calm weather when vegetation is dry. Care must be taken to wet the foliage thoroughly and a volume of at least 900 litres per hectare is advised. To obtain the even coverage necessary to achieve good results, the spray boom should be kept about 23 cm above the top of the foliage. It is recommended that cone nozzles should be used, spaced 23 cm apart on the spray boom. Areas not accessible to spray units may be treated with a hand lance. **SPRAY QUALITY: FINE to MEDIUM (BCPC category)**

Grass cutting:

The grass may be cut 14 - 21 days after treatment to give the sward a tidier appearance and to remove any uneven winter growth. In certain situations (such as Housing Estates) it is sometimes preferred to cut the grass before spraying. In this situation five days should be allowed to elapse between cutting and spraying, to ensure that sufficient leaf area is present to absorb the herbicide.

RATES OF USE:**Treatment of Arterial Roads, Housing Estates and Amenity Areas.**

Time of application	Rate
First spray mid March/early May	16.0 litres of REGULOX® K in 900-1100 litres of water per hectare (320 ml in 20 litres of water per 200 m ²).
Second Spray 8-10 weeks after first treatment	16.0 litres REGULOX® K in 900-1100 litres of water per hectare (320 ml in 20 litres of water per 200 m ²).

REGULOX® K Tank-Mixtures

Time of application	Rate
First spray mid March/early May	16.0 litres REGULOX® K plus 2.8-8.4 litres of DORMONE® in 900-1100 litres of water per hectare. (320 ml REGULOX® K plus 57-170 ml DORMONE® in 20 litres of water per 200 m ²)

Treatment of Motorways, Highways (other than Arterial Roads), Cemeteries, Churchyards, Ditches and River Banks.

Time of application	Rate
First spray mid March/early May	22.5 litres REGULOX® K in 900-1100 litres of water per hectare (450 ml in 20 litres of water per 200 m ²)
Second Spray (if required) 12-14 weeks later.	16.0 litres REGULOX® K in 900-1100 litres water per hectare. (320 ml in 20 litres of water per 200 m ²)

REGULOX® K Tank-Mixtures

Time of application	Rate
First spray mid March/early May	22.5 litres REGULOX® K plus 9.5 litres DORMONE® in 900-1100 litres of water per hectare (450 ml REGULOX® K plus 187 ml DORMONE® in 20 litres of water per 200 m ²)

Recommendations in brackets refer to application made with a knapsack type of sprayer.

1 hectare is equivalent to 5 Km of 2 metre wide verge.

Autumn Treatment:

When there are large areas requiring treatment with REGULOX® K, it is sometimes not possible to treat all these areas at the correct time in the spring. In these situations, REGULOX® K applied in the autumn (before the end of September) will give control of grass growth for five to seven weeks in the following Spring. This will allow the programming of spring spraying operations to be spread over a longer period. When this technique is employed an application rate of REGULOX® K at 16.0 litres in 900-1100 litres of water per hectare must not be exceeded.

Tree Growth Inhibitor

REGULOX® K is a tree growth inhibitor for the control of shoots on the trunk and suckers around the base of street trees. It also inhibits the development of buds on the trunk, which remain dormant following treatment.

The following species have shown complete response to REGULOX® K treatment with no ill effects.

European limes	<i>Tilia spp</i>
Black poplar	<i>Populus spp</i>
Golden poplar	<i>Populus spp</i>
Crimson thorn	<i>Crataegus oxyacantha</i>
London plane	<i>Platanus platanoides</i>
Acacia	<i>Robinia pseudoacacia</i>
Elm	<i>Ulmus spp</i>
Oak	<i>Quercus spp</i>
Ash	<i>Fraxinus excelsior</i>

Principal uses:

REGULOX® K may be used in the following situations: -

For the control of shoots on tree trunks.

For the control of suckers around the base of trees.

For the control of bud development on tree trunks.

For the control of lichen on tree trunks.

For the control of grass weeds around the bases of tree trunks.

APPLICATION AND TIMING:

The application of REGULOX® K may be carried out with any type of pressure knapsack or hand sprayer. The unit should be fitted with a suitable length hose, (about 5 metres) and a hand lance, with a single narrow cone type nozzle, and shut-off valve so that the operator has complete control of the spray fluid during treatment. Spray application should be carried out during fine weather when the trunk of the tree is dry and rain is not expected. It is important to ensure complete wetting of the trunk especially to the budding areas around the base during the initial treatment. After this initial trunk treatment, REGULOX® K, applied annually to budding areas only (or odd base growth) is sufficient to maintain growth control for the season; as with all treatments the trunk should be dry and the weather fine at the time of application.

SPRAY QUALITY: MEDIUM (BCPC category)**RATES OF USE:**

REGULOX® K is applied at rates of 1.0 L to 3.7 L in 5.0 L of water as an overall spray to the trunk, to any desired height.

Time of Treatment	Rate of use of REGULOX® K
February/March	1.85 litres in 5.0 litres of water
April/May	1.5 litres in 5.0 litres of water
June/July/August	1.0 litres in 5.0 litres of water
Maintenance dose 2nd year	1.2 litres in 5.0 litres of water
After pollarding, pruning spring	1.8 litres in 5.0 litres of water
After pollarding, pruning winter	3.7 litres in 5.0 litres of water

MIXING AND SPRAYING:

Add the recommended quantity of REGULOX® K to the spray tank half filled with water. Top up with water and agitate thoroughly before commencing spraying. When tank-mixing REGULOX® K, add product separately to the spray tank, half filled with water.

DECONTAMINATION OF SPRAYING MACHINERY:

Wash equipment thoroughly, paying particular attention to the inside top of the spray tank, which should be cleaned immediately after use. Spray out, fill with clean water and leave overnight. Traces of this product can cause harm to susceptible crops sprayed later.

COMPATIBILITY:

REGULOX® K is also compatible with DORMONE®. Please see appropriate product labels for recommendations.

Regulox K - 20 L - GB - GB05985918B - ARTICLE 04204319

REGULOX® K and DORMONE®, are trademarks of Bayer Environmental Science.

Batch number:

Approval Holder: Bayer Environmental Science, SAS Lyon

For 24 hour emergency information contact Bayer CropScience Limited Telephone: 0800 220876 or nearest National Poisons Information Centre

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