

NOMIX DUAL

A ready-to-use oil-in-water emulsion containing 162 g/l (16.8% w/w) isopropylamine salt of glyphosate (equivalent to 120 g/l glyphosate) plus 2.22 g/l (0.23% w/w) sulfosulfuron.

MAPP 18351

UFI: Q500-C029-F00Y-DDXH

IMPORTANT INFORMATION

FOR USE ONLY AS AN INDUSTRIAL HERBICIDE

For use on natural surfaces not intended to bear vegetation, permeable surfaces overlying soil, hard surfaces and amenity vegetation (around)

Maximum Individual Dose: 9 litres of product/ha

Maximum number of treatments: One per year

Other Specific Restriction: When applying through rotary atomisers the spray droplet spectra produced must be of a minimum Volume Mean Diameter (VMD) of 200 microns

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.

HEALTH & SAFETY INFORMATION

Very toxic to aquatic life with long lasting effects.

Avoid release to the environment.

Wear protective gloves/protective clothing.

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.

Collect spillage.

Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

Safety data sheet available on request.

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

Do not contaminate water with the product or its container.

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



WARNING



Nomix Enviro Limited

Unit 8, Anton Business Park, Anton Mill Road, Andover, Hampshire SP10 2NJ

In case of emergency day or night telephone CARECHEM 24: +44 (0)1865 407333

For Product information call +44 800 0324352

Contents: **5 LITRES e**



RETURN LEAFLET
TO POCKET
AFTER USE



Read instructions
before use

Formulated for use with Nomix equipment.

READY FOR USE – NO MIXING

PROTECT FROM FROST

SHAKE WELL BEFORE USE

SAFETY PRECAUTIONS

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

Operator Precaution

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), GLOVES AND RUBBER BOOTS when applying the product

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

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the inside of gloves.

TAKE OFF IMMEDIATELY all contaminated clothing

WASH HANDS before eating and drinking/smoking/after work

Consumer Protection

DO NOT USE ON FOOD CROPS

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

DO NOT RE-USE CONTAINER for any purpose.

EMPTY CONTAINER COMPLETELY and dispose of safely

GENERAL INFORMATION

IMPORTANT: This information is authorised 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.

Mode of action

NOMIX DUAL herbicide controls emerged broad-leaved weeds and grass weeds, and prevents further weed growth by preventing weed seed germination. NOMIX DUAL contains two active ingredients, glyphosate and sulfosulfuron. Glyphosate is absorbed by green leaves and stems, and is translocated to other parts of the weed including the roots and rhizomes. Sulfosulfuron is both foliar and soil acting. Visual evidence of NOMIX DUAL treatment should appear approximately 14 days after application. However, if the growing conditions are poor, or if broad-leaved weeds are present, symptoms may take longer to appear.

Weeds Controlled

NOMIX DUAL effectively controls a wide range of emerged annual and perennial grasses and broad-leaved weeds.

DIRECTIONS FOR USE

Connection of the ready for use pack.

Swirl the pack very thoroughly and connect direct to the lance according to the directions in the Instruction and Operation Manual. On connecting the pack to the lance use immediately.

LANCE CALIBRATION INSTRUCTIONS

1. Choose a comfortable forward speed and appropriate spray width.
2. Using the calibration table, read the required flow rate for your chosen forward speed and spray width.
3. Adjust the head setting to achieve the required flow rate, which should be measured using the Nomix Calibration Cup provided with the lance. The flow rate should always be checked before spraying.

THE GUIDE HEAD SETTINGS ARE FOR GUIDANCE ONLY AND ARE NO SUBSTITUTE FOR THE CORRECT CALIBRATION PROCEDURE.

Flow Rate for 9.0 litres per hectare of Nomix Dual									
Walking Speed mph (kph)									
Disc	Spray Width cm	1.5 (2.4)		2.0 (3.2)		2.5 (4.0)		3.0 (4.8)	
		Mls at 30 secs	Guide Head Settings	Mls at 30 secs	Guide Head Settings	Mls at 30 secs	Guide Head Settings	Mls at 30 secs	Guide Head Settings
Spiral	15	3	B	4	B	5	B-C	6	C
	30	6	C	7	C	9	C-D	12	C-D
Square	45	8	C-D	11	C-D	14	D	16	D
	60	11	C-D	15	D	18	D-E	22	E
Serrated	75	14	D	18	D-E	22	E	27	E-F
	90	16	D	22	E	27	E-F	32	F

Disc Selection

The small spiral and square discs are used where the spray width required is less than 60cm e.g. in confined areas. The narrow spray width is also appropriate for application around obstacles (e.g. lamp-posts, fencelines, gravestones). The large serrated disc is used where large spray widths are needed.

Application Rate

NOMIX DUAL is applied at 9 l/ha

Weed Susceptibility

Weed Species	Susceptibility
Annual meadow-grass (<i>Poa annua</i>)	S
Birdsfoot Trefoil (<i>Lotus corniculatus</i>)	MS
Blackgrass (<i>Alopecurus myosuoides</i>)	S
Black Medick (<i>Medicago lupulina</i>)	MS
Bramble (<i>Rubus fruticosus</i>)	MS
Broad-leaved Dock (<i>Rumex obtusifolius</i>)	S
Cinquefoil (<i>Potentilla</i>)	S
Cleavers (<i>Galium aparine</i> L)	S
Clover (<i>Trifolium</i> spp)	S
Cocksfoot (<i>Dactylis glomerata</i>)	MS
Common Nettle (<i>Urtica dioica</i>)	MR
Common Couch (<i>Elymus repens</i>)	S
Cranesbill (<i>Geranium</i> L)	S
Creeping bent (<i>Agrostis stolonifera</i>)	S
Creeping Buttercup (<i>Ranunculus repens</i>)	S
Creeping Thistle (<i>Cirsium arvense</i>)	MS
Daisy (<i>Bellis perennis</i>)	S
Foxglove (<i>Digitalis purpurea</i>)	S
Groundsel (<i>Senecio vulgaris</i>)	MR
Hogweed (<i>Heracleum sphondylium</i>)	S
Lesser Plantain (<i>Plantago lanceolata</i>)	S
Mouse-ear Hawkweed (<i>Hieracium pilosella</i>)	S
Prickly Sowthistle (<i>Sonchus asper</i>)	MR
Ragwort (<i>Senecio jacobaea</i>)	S
Red fescue (<i>Festuca rubra</i>)	S
Rosebay Willowherb (<i>Chamerion angustifolium</i>)	S
Rough Meadow Grass (<i>Poa trivialis</i>)	S
Sterile Brome (<i>Bromus sterilis</i> L..)	S
Spear Thistle (<i>Cirsium vulgare</i>)	S
Tufted Vetch (<i>Vicia cracca</i>)	MS
Yorkshire Fog (<i>Holcus lanatus</i>)	MS

Long term effects on perennial weeds are variable and control cannot be expected in the year following treatment.

Cleaning the Nomix Lance

It is essential to thoroughly clean out the lance using Nomix Universal Cleaner, especially between applying this product and other pesticides, to avoid contamination. An area of land already treated or a patch of bare soil where no vegetation is required should be selected for the cleaning process. The herbicide pack should be disconnected from the lance and the pack of cleaner attached. The lance should be set to the "PRIME" setting and the valve opened for sufficient time for a minimum of 60 seconds. This will allow a volume of cleaning fluid equivalent to at least 5 times the volume of the internal tubing of the sprayer to pass through.

APPLICATION TO PAVEMENTS AND OTHER IMPERMEABLE SURFACES

Apply this product carefully. Ensure spraying takes place only when weeds are actively growing (normally March to October) and is confined only to visible weeds, areas of potential weed growth (e.g. gaps between paving stones, kerb edges and road gulleys) and/or a 30cm swath covering the kerb edge and road gully – do not overspray drains.

Timing of Application

Annual grasses and broad-leaved weeds should have at least 5cm of leaf or 2 expanded true leaves respectively at the time of application. Perennial broad-leaved weeds are most susceptible if treated at or near flowering, but will be severely checked if they are treated at other times when they are actively growing. Best residual activity is obtained from applications in spring and following summer.

Application of lime, fertiliser, organic manure and pesticides should be delayed until 5 days after application of Nomix Dual

SPECIAL AREAS OF USE:

Amenity Woodland & Planting

Trees planted on roadsides, streets, parks, landscaped areas and amenity woodland:

NOMIX DUAL can be used to control weeds growing close to trees and shrubs provided that foliar organs and tree stems are not exposed to spray drift, particularly during active growth. Ensure even application - overdosing could damage the trees and shrubs. One application only per year should be made. NOMIX DUAL should not be used in tree and shrub nurseries or in areas where it is expected that trees and shrubs will be planted during the succeeding two years after application.

CAUTION

Take care to avoid drift onto crops and other plants outside the target area.

Effect of Weather

At least 6 hours and preferably 24 hours, without rain should follow spraying. If rainfall occurs soon after treatment, the control of emerged weeds may be reduced – re-treatment with STIRRUP or HILITE may be necessary. Do not spray in windy conditions as drift onto desired plants or vegetation can severely damage or destroy them. Reduced control may occur when weeds are suffering from stress due to drought, water-logging, heat and frost.

Weed Resistance Strategy

Nomix Dual contains sulfosulfuron which is an ALS inhibitor, also classified by the Herbicide Resistance Action Committee as 'Group B'. Use only as part of a resistance management strategy that includes cultural methods of control and does not use ALS inhibitors as the sole chemical method of weed control.

Growers are encouraged to implement a weed resistance strategy based on a) Good agricultural practices and b) Good Plant protection Practices by:

- Following label recommendations
- The adoption of complimentary weed control practices
- Minimising the risk of spreading weed infestations
- The implementation of good spraying practice to maintain effective weed control
- Using the correct spray discs to maximise coverage
- Application only under appropriate weather conditions
- Monitoring performance and reporting any unexpected results to Nomix Enviro.

Strains of some annual weeds (e.g. black-grass, wild-oats, and Italian ryegrass) have developed resistance to herbicides which may lead to poor control. A strategy for preventing and managing such resistance should be adopted. This should include integrating herbicides with a programme of cultural control measures. Guidelines have been produced by the Weed Resistance Action Group and copies are available from the HGCA, CPA, your distributor, crop adviser or product manufacturer.