

FOR PROFESSIONAL USE ONLY

NOMIX DUAL

FOR USE AS AN INDUSTRIAL AND AGRICULTURAL HERBICIDE

A ready-to-use emulsion containing 120 g/l glyphosate as the isopropylamine salt of glyphosate 162 g/l (16.5% w/w), and sulfosulfuron 2.22 g/l (0.23% w/w).

For use only as an agricultural and industrial herbicide.

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 to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

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 (Do not clean application equipment near surface water / Avoid contamination via drains from farmyards and roads).

Safety data sheet available on request.

UFI: Q500-C029-F00Y-DDXH

PCS 03080



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CODE AND DATE NOT PRINTED
PROOF ONLY
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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

GENERAL INFORMATION

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 preventing weed germination. The product is recommended for the control of annual and perennial grasses and broad-leaved weeds in amenity and industrial areas, parks, paved areas and factory sites. It is also recommended for weed control as a directed application in shrub and rose beds. 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

Area of Use:	For use as an agricultural and industrial herbicide to control grasses and broadleaved weeds
Maximum individual dose:	9.0 litres product per hectare
Maximum number of applications:	One per year
Maximum Total Dose:	9.0 litres product per hectare
Latest Time of Application:	Not applicable
Method of Application:	Controlled Droplet Application Sprayer

Storage and Disposal

Store in a closed container. Store between 0°C and 30°C.

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

Do not re-use bottles.

For Professional Use only

Specific uses: Weed control in industrial, farm and non-crop areas

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.

Timing of Application

Apply NOMIX DUAL at any time when the weeds are green and actively growing. Annual grasses and broad-leaved weeds should have at least 5cm of leaf or 2 expanded true leaves respectively at the time of application. NOMIX DUAL is most effective when used on perennial weeds that have a full emergence of actively growing green leaf. Perennial grasses are susceptible when tillering and when new rhizome growth commences, normally when plants have 4-5 new leaves. 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 early summer.

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

Connection of the Ready to 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

WEED WARRIOR LANCE

Refer to the product calibration instructions supplied with the equipment

NOMIX SUPERPRO AND FRONTLINE CLASSIC LANCES

1. Choose a comfortable forward speed and appropriate spray width.
2. Using the calibration chart, 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.

CALIBRATION CHARTS

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)	
		Mis at 30 secs	Guide Head Settings	Mis at 30 secs	Guide Head Settings	Mis at 30 secs	Guide Head Settings	Mis at 30 secs	Guide Head Settings
Spiral	15 30	3 6	B C	4 7	B C	5 9	B-C C-D	6 12	C C-D
Square	45 60	8 11	C-D C-D	11 15	C-D D	14 18	D D-E	16 22	D E
Serrated	75 90	14 16	D D	18 22	D-E E	22 27	E E-F	27 32	E-F 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 to pavement edges, around obstacles (e.g. lamp-posts, fence-lines, gravestones) or for spot treatment of paved areas where accuracy is required. The large serrated disc is used where large spray widths are needed, e.g. extensive paved areas.

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.

CAUTION

Avoid treating areas susceptible to direct wash off into surface water (e.g. around drains).

Avoid spray contact with all desired vegetation.

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 and re-treatment with 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.

Subsequent Land Use

NOMIX DUAL contains a residual weedkiller, and should not be applied to soils which may later be used to grow desirable plants.

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 rye-grass) 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 product manufacturer.