Nufarm

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Nufarm

Activator®

Surfactant

ACTIVE CONSTITUENT: 900 g/L NON-IONIC SURFACTANTS

A premium non-ionic, rainfast wetting agent with low foaming qualities.
Wetter/Surfactant
General Purpose
Low Foaming
Non-ionic

READ COMPLETE DIRECTIONS FOR USE BEFORE USING THIS PRODUCT.

® Activator is a registered trademark of Loveland Products, Inc.

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APVMA Approval No.: 41517/55748

DIRECTIONS FOR USE

Activator can be used where the addition of a Surfactant is required or recommended on the agricultural chemical label. Variation in conditions of use can require some changes in the amount of Activator required.

SITUATION	RATE	CRITICAL COMMENTS
Non-Selective Herbicides FOLIAR-ACTIVE SOIL ACTIVE	 70-125mL/100L 75-100mL/100L	Use higher rate on waxy, hairy or hard to wet surfaces. Increase rate for dry soils.
Selective Herbicides IN CROP USE	 75-125mL/100L	Use when a surfactant is recommended on herbicide labels. Use the higher rate on waxy, hairy or hard to wet surfaces.
Diclofop-methyl Herbicides (Nugrass®, Hoegrass*)	 150mL/100L	Use only when mixing Nugrass® or Hoegrass with bromoxynil and MCPA, LVE MCPA, Tigrex*, Associate® or Ally* herbicides.
HORTICULTURAL USAGE		
Insecticides For Example: Carbaryl, Chlorpyifos, Endosulfan, Dimethoate, Trichlorfon, Maldison, Sonic, plus others	 Boom Spray 50-125mL/100L Misters 30-100mL/100L	Use the higher rate on hairy, waxy, dusty or hard to wet surfaces. Also increase the rate when spraying onto dry soils.
Fungicides (Penncozeb® 750 DF, Unite 720, etc)	 Boom Spray 50-125mL/100L Misters 30-100mL/100L	
Herbicides **Foliar active** (Revolver®, Glyphosate 360, Roundup®, Amitrole T, Kamba® 500, MCPA) **Soil Active** (Diuron, Nu-trazine, Simazine, Tornado)	 70-125mL/100L 75-100mL/100L	
Sugar Cane **Herbicides** Knockdown mixtures with Paraquat (Nuquat®, Gramoxone), Glyphosate, MCPA, Amicide®, Baton® or Tornado	 60-120mL/100L	Increase the rate of Activator, as the rate of water sprayed per hectare increases. For example, if you apply 400L of water per hectare, 400-480mL of Activator should be added to the spray solution. Spray only to the point where leaves are fully covered. Spraying beyond this allows runoff, which will increase costs by losing chemical onto the ground.
Mixtures of knockdown and residual herbicides such as Nuquat plus Nu-trazine 900DF or Amicide 625 plus Diuron 900DF	70-125mL/100L	Use the higher rate when spraying waxy, hairy, dusty, or hard to wet leaves. Also if the soil is dry, a higher rate of Activator should be used. Consult product labels for individual recommendations.
Woody Weed Spraying	100-125mL/100L	**SPOT SPRAYING** When spot spraying with chemicals such as Lantana DP 600, Kamba 500, Baton, Amicide 625, Glyphosate 360, Roundup DST, Associate, etc. Activator should be added at these rates depending on growth conditions and likely rainfall conditions. **AERIAL SPRAYING** Aerial spraying of woody weeds is often difficult by air due to the difficulty of reaching the target effectively. However, this is normally the only practical option. Activator will improve penetration into the plant as well as prolonging the droplet life when used through aircraft. Normal water volumes of 30-50L per hectare should include at least 40mL of Activator per 100L of water.

SITUATION	RATE	CRITICAL COMMENTS
Fire Fighting	Water tanker 10mL/100L of water. Knapsack: 1mL/10L	Activator improves the efficiency of water in fire fighting by increasing the wetting power and assisting in faster control.
Paraquat & Diquat Herbicides Important when grasses are the major target	60-120mL/100L	Vary rate according to spray volume. Select rate in accordance with product labels.
Pasture Topping For use with Glyphosate CT	150mL/100L	
Watering of Turf and Dust Abatement As additive to water	50-125mL/100L	Use the higher rate when watering turf.

Note: Where product labels recommend the addition of a non-ionic wetting agent at a specific percentage dilution, use the following guidelines. eg: - 0.1% - 100mL per 100 litres of final spray volume, or 0.125% - 125mL per 100 litres of final spray volume.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

GENERAL INSTRUCTIONS
Activator is a low foaming, non-ionic type spreader adjuvant, providing quick wetting, more uniform distribution. Activator increases retention of spray by reducing surface tension of the spray droplets. Activator is a water soluble adjuvant that may also be used as an interfacing agent for wettable powders. Activator assists the uptake of foliar absorbed products.

MIXING
When Activator is being used as a low foaming agent for wettable powders and water soluble products, add Activator into water before adding the agricultural chemical to the spray tank. When Activator is being used as a general purpose surfactant for all other formulation types, add Activator last.

PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT
Harmful to fish. DO NOT contaminate ponds, waterways or ditches with the chemical or used containers.

STORAGE AND DISPOSAL
KEEP OUT OF REACH OF CHILDREN. Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. Empty containers and product should NOT be burnt.
Refillable containers (110L and 1000L)
Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SAFETY DIRECTIONS
Avoid contact with eyes and skin. When using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow length PVC/rubber gloves and face shield or goggles. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water.

FIRST AID
If poisoning occurs, contact a Doctor or Poisons Information Centre Phone Australia 13 11 26. If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If in eyes hold open, flood with water for at least 15 minutes and see a doctor.

MATERIAL SAFETY DATA SHEET
For further information refer to the Material Safety Data Sheet (MSDS), which can be obtained from your supplier or the Nufarm website - www.nufarm.com.au

In case of emergency: Phone 1800 033 498 Ask for shift supervisor. Toll free 24 hours.

CONDITIONS OF SALE
"Any provisions or rights under the Competition and Consumer Act 2010 or relevant state legislation which cannot be excluded by those statutes or by law are not intended to be excluded by these conditions of sale. Subject to the foregoing, all warranties, conditions, rights and remedies, expressed or implied under common law, statute or otherwise, in relation to the sale, supply, use or application of this product, are excluded. Nufarm Australia Limited and/or its affiliates ("Nufarm") shall not accept any liability whatsoever (including consequential loss), or howsoever arising (including negligence) for any damage, injury or death connected with the sale, supply, use or application of this product except for liability which cannot be excluded by statute."

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