

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Nufarm

ACTIVATOR®

Surfactant

ACTIVE CONSTITUENT: 900g/L NON-IONIC SURFACTANTS

A Premium non-ionic, rainfast wetting agent with low foaming qualities.

Wetter/Surfactant
General Purpose
Low Foaming
Non-ionic

Contents: 1L
5L
10L
20L
200L
1000L

Nufarm Australia Limited
ACN 004 377 780
103-105 Pipe Road
Laverton North Victoria 3026
Tel: (03) 9282 1000
Fax: (03) 9282 1001



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/100L	Critical Comments
Non-Selective Herbicides FOLIAR-ACTIVE	70-125mL	Use higher rate on waxy, hairy or hard to wet surfaces. Increase rate for dry soils.
SOIL ACTIVE	75-100mL	
Selective Herbicides IN CROP USE	75-125mL	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	Use only when mixing Nugrass or Hoegrass with bromoxynil and MCPA, LVE MCPA, Tigrex, Associate or Ally herbicides.
HORTICULTURAL USAGE		
Insecticides For Example: Carbaryl, Chlorpyrifos, Endosulfan, Dimethoate, Trichlorfon, Maldison, Sonic, plus others	Boom Spray 50-125mL Misters 30-100mL	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 Misters 30-100mL	
Herbicides Foliar active (Revolver, Glyphosate 360, Roundup, Amitrole T, Kamba 500, MCPA) Soil Active (Diuron, Nu-trazine, Simazine, Tornado)	70 to 125mL 75 to 100mL	
Sugar Cane Herbicides Knockdown mixtures with Paraquat (Nuquat®, Gramoxone), Glyphosate, MCPA, Amicide®, Baton or Tornado	60-120mL	Increase the rate of ACTIVATOR, as the rate of water sprayed per hectare increases. For Example, if you apply 400 litres of water per hectare, 400 to 480 mL 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	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	SPOT SPRAYING When spot spraying with chemicals such as Lantana DP 600, Kamba 500, Baton, Amicide 625, Glyphosate 360, Roundup CT, 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 to 50 litres per hectare should include at least 40 mL of ACTIVATOR per 100 litres of water.

Situation	Rate/100L	Critical Comments
Fire Fighting	Water tanker 10mL per 100 litres of water. Knapsack: 1mL per 10 litres	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	Vary rate according to spray volume. Select rate in accordance with product labels. Use the higher rate when watering turf.
Pasture Topping For use with Glyphosate CT	150mL	
Watering of Turf and Dust Abatement As additive to water	50-125mL	

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 interfacial agent for wettable powders. Activator assists the uptake of foliar absorbed products.

MIXING:

For wettable powders and water soluble products, add Activator in water before adding the agricultural chemical to spray the tank. For emulsifiable products, add Activator after a good emulsion is formed.

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 bury empty containers in a local authority landfill. If not available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and products should NOT be burnt.

Refillable containers (1000L only)

Store in the closed, original container in a cool, well ventilated area away from children, animals, food, feedstuffs, seed and fertilizers. 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

CONDITIONS OF SALE

"Any provisions or rights under the Trade Practices Act 1974 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."

Activator is a registered trademark of Loveland Industries, Inc.

Nugrass, Nuquat and Amicide are registered trademarks of Nufarm Australia Limited.

Penncozeb is a registered trademark of Cerexagri.

In case of emergency: Phone 1800 033 498

Ask for shift supervisor. Toll free 24 hours.

APVMA Approval No.: 41517/1L/1208

APVMA Approval No.: 41517/5L/1208

APVMA Approval No.: 41517/10L/1208

APVMA Approval No.: 41517/20L/1208

APVMA Approval No.: 41517/200L/1208

APVMA Approval No.: 41517/1000L/1208

Batch No:

Date of Manufacture:

DRUMMUSTER LOGO