

# **CHEMICAL USERS MANUAL**

**NO 36**

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# CHEMICAL USERS MANUAL

## INTRODUCTION

001 The Department of Conservation and Land Management uses many types of chemicals and this manual describes safe use, handling methods, correct first aid procedures and health hazards.

002 The details for each individual chemical are presented on a single page, compiled in chemical classification, i.e. herbicides, fungicides, etc., but with more detailed information in the general text of the manual.

003 The manual will also provide the basis for a training course in chemicals for wages and salaried staff.

## OBJECTIVES

004 For every type of chemical currently used in field operations of the CALM Department a chemical instruction sheet is to be included in the manual. Technical instruction sheets for each herbicide are in the Herbicides manual.

005 Any chemical that may have been overlooked or any new chemicals that DISTRICTS/BRANCHES wish to introduce must be described on Form CALM 729. When completed the form (CLM 729) and a manufacturers material safety data sheet will be submitted to the Health & Safety Section for consultation with the Department of Occupational Health Safety and Welfare. On occasions when a listed chemical is not available and it is desired to use an alternative Brand name with the same active ingredient, approval has to be obtained first from the Designated Chemicals Officer at Como before ordering or using the alternative chemical.

006 The chemical manual will be reviewed by the Designated Chemicals officer at regular intervals.

007 The Department will use only those pesticides that have been registered with the Health Department.

008 The method of mixing chemical concentrates must be explained in detail in the respective job prescriptions and physically scrutinised by the immediate supervisor.

#### USE OF THE MANUAL

009 As mentioned in paragraph 002, each chemical and its characteristics are presented on single pages in alphabetical order within their chemical classification.

010 The loose-leaf format allows for photocopies of the relevant sheet to be provided to the Job OIC or supervisor for the job prescribed. The original must remain in the manual.

011 All employees required to use any chemical must sight the relevant sheet and be aware of the personal precautions and hazards to health before commencing the job.

012 Each page incorporates details of chemical formulation, mixing methods, personal precautions, first aid treatment, disposal, etc. Further information is in the main text of the manual.

- 013 Where the instructions on the container label differ from those in this manual, any alteration can be noted on the Job Prescription provided the use of the chemical is within the limitations listed on the label. Any obvious conflict between the label and this manual should be referred to Health & Safety Section at Como for referral to the Chemicals Officer.
- 014 Chemicals which are no longer registered by the Health Department will be deleted from the Manual. Once deregistration has taken place the chemical may no longer be used.
- 015 Chemicals deregistered or superseded by CALM should be removed from the chemical users manual after advice from Health & Safety Section at Como.
- 016 Chemicals which are superseded by this Department are not to be re-ordered. Should stocks be on hand, they should be disposed of after consultation with Health & Safety Section Como.
- 017 When Chemical Instruction sheets referring to fertilisers are prepared, a space is left for insertion of application rates, as used in a particular district or section.

- 018 A District wishing to use a new chemical must first seek authority for its use (refer para 005).
- 019 All protective equipment used shall comply with the Australian Standards.
- 020 Protective clothing will be made available in accordance with the requirements by the Department of Occupational Health Safety & Welfare with respect to each chemical specified in this manual.
- 021 Appropriate hygiene measures shall be complied with e.g. spare overalls shall be taken to the area in case of accidents.
- 023 On completion of a job, personnel using Chemicals will wash and change their clothes as soon as possible, to reduce the risk of skin reactions.
- 024 Chemicals, which have had their use restricted by the Health Department have their information printed on a Green sheet. These chemicals are to be used only as instructed on label.

## DEFINITIONS

### TYPES OF CHEMICALS IN USE

- 025      PESTICIDE:      A chemical used for killing pests irrespective of type.
- 026      HERBICIDE:      A chemical capable of killing plant life.
- Types:
- Contact:      A chemical which kills those plant parts with which it comes in contact.
- Contact
- Pre-emergent:      A contact herbicide used to control weeds before the crop emerges. This type of herbicide can be used in practically all drilled crops.
- Pre-emergent:      A herbicide applied after the crop is sown but before it emerges from the ground, either before or after the weeds emerge.
- Soil-acting:      A herbicide applied to the soil so that it is taken up by the weeds through their underground or aerial parts before they emerge from the soil.
- Total:      A non-selective herbicide used to kill all kinds of vegetation.
- Translocated:      A herbicide which, when absorbed into the plant via the leaves or roots, moves within, finally killing the plant.
- 027      INSECTICIDE:      A chemical for killing or controlling insects.
- 028      FUNGICIDE:      A chemical for controlling fungal diseases.
- 029      RODENTICIDE;      A chemical for killing rodents such as rabbits, rats and mice.



- 030 SYNERGIST: A substance which increases the activity of pesticides. It does not have to be a pesticide.
- 031 MOLLUSCICIDE: A chemical used for killing slugs and snails.
- 032 EMULSIFIER: These materials are added to pesticide-oil formulations when the aim is to dilute with water. Emulsifiers coat the tiny oil droplets with a "shell" of soap-like material which enables these droplets to disperse in water.
- 033 SOLVENT: A liquid which is capable of dissolving a chemical. Many pesticides are not soluble in water and are dissolved in organic solvents such as toluene or xylene.
- 034 DILUENT: Anything which reduces the concentration of a pesticide is a diluent.
- 035 WOOD PRESERVATIVE: A chemical used for preservation of timber.
- 036 FERTILISER: A specific chemical for application to the soil to rectify its growth promoting qualities for various types of plants, and for adjusting the acidity or alkalinity of the soil.
- 037 SOIL STERILANT: A chemical applied to the soil to control soil pests, diseases or weeds.
- 038 FIRE RETARDENT: A chemical used to retard burning.
- 039 SURFACTANTS: A substance (agent) which helps to reduce surface tension between two different substances, e.g. water and oil.

- 040 DRIFT REDUCERS: A substance which, when added to liquid prevents the liquid being excessively airborne.
- 041 COOLANT: A fluid used as the cooling medium in engines, e.g. water, ethylene glycol.
- 042 DEFOLIANT: A chemical used for removing leaves.
- 043 DESSICANT: A chemical used for artificially drying up leaves.
- 044 GROWTH  
REGULATOR: A chemical which stimulates or retards crop growth.
- 045 PERSISTENT: A term applied to chemicals that remain active a long time after application.
- 046 SELECTIVE: A term applied mainly to herbicides or insecticides capable of killing some kinds of plants or insects, but not others.
- 047 SYSTEMIC  
COMPOUND: A compound which, when applied to the foliage, seed or soil, is carried to other parts of the plant.
- 048 WETTING AGENT: A chemical or mixture of chemicals added to pesticides or mineral sprays to improve wetting and thereby coverage of leaf surfaces.

#### FORMULATIONS IN USE

- 049 CRYSTALS: Solid substances in geometrical form which may dissolve when added to a liquid.

- 050 EMULSIFIABLE CONCENTRATE: A chemical dissolved in an organic solvent with an emulsifier added, to enable dilution with water.
- 051 FUMIGANT: A gas which is capable of destroying pests or acting as a disinfectant.
- 052 GRANULES: A ready to use formulation of pesticide in a free flowing dry particle.
- 053 OIL SOLUTION: A chemical which is dissolved in an oil and then, if necessary, diluted with a cheaper oil.
- 054 PELLETS: A chemical moulded in a compressed mass.
- 055 FLOWABLE CONCENTRATE: A finely ground suspension concentrate in a liquid, diluted with water ready for application.
- 056 WETTABLE POWDER: A very fine powder of an active ingredient which readily forms a suspension when mixed with water.
- 057 DUSTS: A finely divided pesticide mixed in an inert diluent such as talc. Ready for use without further preparation.

#### METHODS OF APPLICATION

- 058 HIGH VOLUME FOLIAR SPRAY: A thorough wetting application to foliage using large particle sprays.
- 059 LOW VOLUME FOLIAR SPRAY: An even application of a small volume of spray evenly over foliage. The foliage is not thoroughly wetted.

- 060 AIRCRAFT LOW VOLUME FOLIAR SPRAY: An application of a low volume spray from an aircraft.
- 061 GRANULAR APPLICATION: An application of granular pellets, which may be carried out by aircraft, tractor or hand.
- 062 BASAL SPRAY: A treatment for killing trees or bushes where the chemical is applied to the bark in a band encircling the lower 300 mm - 600 mm of the stem.
- 063 SPOT GRANULAR: A granular treatment directed over a localised area by hand or tractor.
- 064 SOIL AND GROUND INJECTION: The mechanical placement of a chemical beneath the soil surface.
- 065 TREE NOTCHING: The application of chemical(s) into a cut made in the tree trunk.
- 066 HAND SPRAY: A small portable chemical spray that can be carried and operated manually.
- 067 BOOM SPRAY: An application of chemical from several nozzles connected to a section of pipe or tubing so that the chemical is applied over a wide area.

CAUTIONS AND ENVIRONMENTAL LIMITATIONS

- 068            Read the label carefully before use.
- 069            Use all products in "strict compliance with the label" or the CALM 729 and Technical Instruction Sheets. Do not use persistent or unnecessarily toxic chemicals where there are less persistent and safer effective chemicals available.
- 070            Avoid drift on to other crops, livestock and neighbouring property and take care to prevent contamination of any water source, whether for drinking or irrigation purposes, e.g. streams, ponds or any effluent water, ditches, cesspools, sewers.
- 071            Always store chemicals in their original containers.
- 072            Close tightly any partly-full containers and store them securely away from food and feeding stuffs and out of reach of children and animals.
- 073            Clean any protective clothing used and thoroughly wash exposed parts of the body as soon as possible after the job is completed and before eating, drinking or smoking.
- 074            Safely dispose of all used containers. Empty containers should be triple rinsed and crushed or punctured. Dispose of as per instructions from the local Health Surveyor.

- 075 When disposing of metal and glass containers (but not aerosol containers) remove their caps and lids. If made of metal, puncture or flatten.
- 076 Paper packs and plastic containers should not be burnt but should also be disposed of in a similar fashion to that for glass and metal containers.
- 077 Empty aerosol containers and spent vaporiser strips should not be punctured or burnt, but put in ordinary refuse bins.
- 078 Empty glass, plastic or metal containers can often be returned to the manufacturer. Check the label before disposal.
- 079 If no facilities for disposal are available, dispose of empty containers at an approved local authority tip. Rinse should be added to the diluted chemical.
- 080 Spillages of concentrate should be attended to promptly. Details of appropriate action are described on the individual chemical sheet. If there is any doubt enquiries should be directed to Safety Section at Como.
- 081 When marked on chemicals sheet, avoid spraying onto beehives, livestock, birds or other wildlife, as these particular chemicals have harmful effects on animal life.

082 When marked on chemicals sheet, live-stock must not be allowed into chemically treated areas until sufficient time has elapsed for residual chemical effects to reach safe levels.

083 Spraying of 2, 4-D should be avoided when temperatures exceed 24 degrees C to avoid unnecessary danger to non-target plant-life.

084 WIND EFFECTS Strong winds can have an effect similar to that of vapour drift, especially in the case of aerial or boom spray application of chemicals. Operations should be suspended when surface winds exceed 10 km per hour.

085 WATER CATCHMENT AREAS Much of the catchment forest estate lies within gazetted water catchment areas, for domestic and for irrigated water supply dams. It is therefore essential that any proposal for the use of chemicals in these areas must be carefully planned to minimize the risk of contaminating the catchment, streams or reservoirs. The Health Department have a strict policy governing chemical application on the above areas. Do not rinse out containers or dispose of them in streams or waterways of any kind.

#### GENERAL DEFINITIONS

086 HAZARD TO HEALTH The adverse effect on health of people directly involved or inadvertently involved in a chemicals use. It can be assessed as high, medium or low intensity.

- 087 ACUTE TOXICITY: This term is used when the immediate or short term adverse effects are produced by exposure to toxic chemicals.
- 088 CHRONIC TOXICITY The adverse effect(s) following prolonged exposure to toxic chemicals.
- 089 TOXIN A specific poison, which, when introduced into the body, produces a harmful reaction.
- 090 STORAGE IN BODY-CUMULATIVE: A chemical which the body excretes slowly, so that with repeated exposure to small doses, the net quantity of chemical in the body progressively increases with time.
- 091 L.D. 50: The dose of chemical, usually expressed as milligrams per kilogram of body weight which will kill 50% of experimental animals exposed to it. It is a measure of the toxicity of the chemical being assessed for the species.

#### FIRST AID

- 092 When a person becomes ill, apparently as a result of working with chemicals, First Aid should be given, the local medical officer notified and the person transported as quickly as possible to a medical centre.
- 093 Always remember to take the local chemicals sheet with the person and give it to the doctor.



GENERAL FIRST AID MEASURES

- 094 First aid measures mentioned for swallowing and skin contact are for all chemical usages unless otherwise specified.
- 095 Always wash your hands before attending to any person.
- 096 Stop the person working and take away from the work area, to shelter if possible.
- 097 If a person collapses after working with chemicals in a confined or poorly ventilated area, do not attempt to assist injured person unless adequate respiratory protection is worn.
- 098 After removing person from work area, remove all their protective clothing and any other clothing which may be contaminated with chemical. Take care to avoid contamination of your own skin. Wash contaminated skin thoroughly with soap and water for 15 minutes. Then put on clean, dry clothes.
- 099 If breathing ceases or weakens: Make sure the breathing passages are clear, removing any dentures or other obstruction from the mouth and bringing the lower jaw forward (to stop swallowing of tongue and provide an airway), then start artificial respiration, avoiding the mouth-to-mouth method where possible.

100

If the patient's eye is contaminated with chemical: Blink eyelid under water, or flush the eye (holding it open if necessary) with water, or eye stream out of first aid kit. Keep up this procedure for at least 15 minutes. Then cover the eye with an eye pad from the first aid kit.

101

Swallowing of Chemical

If the label or instruction sheet recommends making a person vomit after the swallowing of a chemical (usually alkaline) it can be done by:

1. Tickling the back of the person's throat with a clean finger.
2. Giving a glass of warm salty water to drink.
3. Administering 15 mls of Syrup of Ipecac.

If the chemical swallowed is acid based then vomiting may be the wrong treatment. Giving of milk based liquid may be required.

ALWAYS CHECK THE INSTRUCTION SHEET OR LABEL FOR FIRST AID PROCEDURES

NOTIFICATION TO DEPARTMENT OF OCCUPATIONAL HEALTH SAFETY & WELFARE (09) 327 8777

102

Certain chemical sheets are endorsed

"notify the DEPARTMENT OF OCCUPATIONAL HEALTH SAFETY & WELFARE"

The reasons for this are:

1. Tests have to be carried out to ascertain the type and extent of any poisoning.
2. These tests will either confirm symptoms indicating a specific chemical poisoning or preclude that chemical as the poison.

3. The tests aid the medical officer in the type of treatment best given for that poison.

4. The tests include blood and urine sampling.

It is important that these tests be carried out as soon as possible (within 12 hours of contact) after an alleged poisoning. The Officer-in-Charge of the District is to notify Principal Health & Safety Officer with details of persons name, age, sex, chemical, signs and symptoms and the name and phone number of the medical officer. Health & Safety Section will then notify the Department of Occupational Health Safety and Welfare. Should the officer be unable to contact Health & Safety Section then the Department of Occupational Health Safety & Welfare should be notified immediately. After hours telephone numbers appear below.

OCCUPATIONAL HEALTH AFTER HOURS:

Principal Health & Safety Officer

T Wood 09 4052572

or

M Rutherford 097 341180

CHIEF OCCUPATIONAL HEALTH PHYSICIAN AT THE  
DEPARTMENT OF OCCUPATIONAL HEALTH SAFETY & WELFARE  
DR K C WAN 09-3859069

Special Measures

Organochlorine Poisoning - e.g. Dieldrin,  
Chlordane, Lindane, Heptachlor.

If a patient is in a convulsion, loosen all clothing and put something strong between the teeth to prevent biting the tongue. False teeth should be removed.

104

Dinitro Poisoning - e.g. Treflan

It is particularly important to keep the patient lying flat and at absolute rest. On no account permit the patient to walk or undertake any other physical exercise. Do all you can to keep patient cool. Place patient in a shady area with a free current of air, produced, if necessary, by fanning.

Remove all unnecessary clothing and sponge the face and body freely and frequently with cold water.

If patient is able to swallow, induce to drink as much water as possible.

105

Anticholinesterase (organophosphorus or carbamate) Poisoning e.g. Gusathion, Rogor, Baytex, Dipterex, Folidol

Watch the patient's breathing most carefully, as it may stop suddenly with this type of poisoning. Remove false teeth if necessary and make sure breathing passages are clear. Start artificial respiration at the first sign of failure and continue for as long as necessary.

## SECURITY FOR CHEMICALS

### CHEMICAL STORAGE

106 Chemicals of all kinds appropriately labelled must be carefully and securely stored. In the broad sense this may mean that each headquarters will require a separate store for each of the following materials:-

- (i) Explosives (Magazine)
- (ii) Fuel and Oils
- (iii) Fire Control Chemicals
- (iv) Other Chemicals
- (v) Radio-active materials

Each of these stores will have its own particular requirements, but this manual provides details only for the last three groups.

### FIRE CONTROL CHEMICALS

107 There are general conditions for use of chemicals relative to Fire Protection in the relevant section of the Foresters' Manual - Part 9. Of particular importance is that fire retardants (AMGARD) tend to be highly corrosive. The two components, ethylene glycol and condys crystals, used in aerial ignition must not be stored together or transported on the same vehicle.

### GENERAL CHEMICALS

108 The store for chemicals that are used in soil sterilisation, disease, insect and weed control etc., should meet the following broad criteria:

- (i) A building separated from other shed and storage areas and secure against fire and theft.
- (ii) The building should be constructed of zinc aluminium or colorbond lockable garages with a concrete floor which is self draining to middle of floor and facilitates thorough cleaning.
- (iii) The building should be well lit by both natural and artificial light.
- (iv) Design should allow for easy access to and exit for containers and people or small machines which carry containers.
- (v) Copies of instructions for treatment of spillage or leaking containers must be readily visible from any part of the store.
- (vi) If possible, there should be a telephone or simple intercom service for contact with a person outside the store e.g. the office assistant.
- (vii) Stock records must be kept inside or adjacent to the store, and stocktaking of materials in and out must be made on every occasion that chemicals are received or issued.
- (viii) Full specifications can be obtained from Health & Safety Section Como.

#### CHEMICALS OFFICER

109

Each District is to appoint a Chemicals Officer. Responsibilities will include assurance that the provisions of this manual as well as the conditions of the various awards in regard to the use of pesticides are complied with. In particular, the chemicals officer will have to:

- 109 (cont.)
- \* carry out regular inspections of the District chemicals store for which the chemicals officer will be personally responsible.
  
  - \* ensure that all equipment and gear used in the application of chemicals are in good operational condition and readily available.
  
  - \* ensure that all personnel using pesticides are adequately instructed prior to use on:
    - (i) any known health hazards
    - (ii) purpose and correct application methods
    - (iii) protective clothing and equipment to be used
    - (iv) safety precautions to protect by-standers, private property and the environment
    - (v) first aid measures
    - (vi) safe disposal of used containers

When a Chemicals Officer is replaced, the name of the new office holder is to be advised to Health & Safety Section at SOHQ Como.

## RADIO-ACTIVE SUBSTANCES

110 The CALM Department makes limited use of radio-active materials, particularly for soil moisture studies where "Neutron Probes" are used. The radio-active source for these is Americium 205, a small quantity of which is kept in lead-lined containers at two of the departmental research centres.

Only those officers specially trained in the use of the probes have authorised access to them. These officers must wear radiation 'film' badges whenever they are handling the neutron probes.

The use of any other radio-active source will require written approval of the Designated Chemicals Officer and the Branch Manager (Research).

Names of persons using radio-active materials must be sent to Designated Chemicals Officer at SOHQ Como.

## LOSS OR THEFT

111 The loss or theft of any chemical substance or radio-active source must be immediately reported to Health & Safety Section, SOHQ Como.

## EQUIPMENT

### PROTECTIVE CLOTHING

112 Protective clothing will be provided for some operations involving pesticides and certain other chemicals. The basic equipment will comprise combination overalls, PVC gloves and may include double cartridge respirators, rubber boots and apron.

All combination overalls are to be white in colour.



### CLEANING OF CLOTHES

113 Due to the risk of skin irritation and absorption of chemicals from their build-up on protective clothing, it is essential that overalls, gloves, boots, if worn when working or in contact with chemicals, be laundered or otherwise cleaned regularly. This is particularly necessary when clothing is contaminated.

### SERVICE TO RESPIRATORS

114 The effective service life of replaceable cartridges in respirators depends on the hours of use, concentration of contaminants and care employed in storage when not in use. Significantly greater resistance to breathing shows that the particulate filter is exhausted, while a test with methylated spirit or nail varnish will show whether the chemical filter is exhausted. When not in use store in a sealed container. Frequency of replacement can also be based on experience of the above factors.

### RECORD OF EXPOSURE

115 A record should be kept of exposure of all workers to pesticides or to materials treated with pesticides. Officers must report any symptoms which may be related to their exposure to pesticides to the Officer in Charge and the Health & Safety Officer (Como Office) in writing, including a description of the pesticides or chemicals, the period of this occupational exposure. See Appendix 2, Chemical Exposures Log Sheet.

### EQUIPMENT FOR APPLICATION

116 Equipment used for application of chemicals may range from open buckets to high pressure machine mounted sprays on aircraft. See Appendix 1, EQUIPMENT FOR THE APPLICATION OF PESTICIDES AND HERBICIDES, for further details.

It is essential in the interests of both safe handling and economic use, that equipment is suited to the job, is at maximum efficiency and is understood by the operator.

#### EQUIPMENT CLEANING

117 At the end of each shift and particularly at the end of a job, all equipment must be thoroughly cleaned and dried (decontaminated). Special care is needed when cleaning measuring equipment, intermediate containers and especially the jets, nozzles and hoses.

The prime mover (e.g. tractor) will also need decontamination, with special attention to hand controls, steering wheel etc.

Decontamination must take place in an area where the 'run-off' will not adversely affect the environment or create any hazard to personnel.

#### MIXING CHEMICALS

##### METHODS OF MIXING

118 Mixing of concentrates should only be carried out by directly supervised personnel using no-touch methods and preferably in an open or well ventilated area. READ THE LABEL and strictly follow the directions given.

##### ADD CONCENTRATE TO BULK

119 Add the concentrate to the diluent in a manner which avoids splashing and pour wettable powder on the surface of the water allowing it to wet and settle prior to mixing.

## CLEAN CONTAINERS

120 The exterior of all containers must be thoroughly cleaned before returning them to storage or the work site. Precautions must be taken to stop contamination of streams and waterways.

## WASTE DISPOSAL

### SUPERVISED DISPOSAL

121 Disposal of waste chemicals must be carried out under the supervision of the designated responsible officer. (Refer 109). Certain waste products can be transferred to a bulk disposal unit in Perth. For further information contact the Health & Safety Section at CALM Department, SOHQ Como.

### DISPOSAL SITE

122 The best method of disposal is to use up the chemical in its normal manner of application. The Local Health Supervisor should be contacted for advice and help regarding disposal of chemical containers and approval for placement at council rubbish dumps.

## PERSONAL HYGIENE

### CLOTHING

123 Protective clothing should be washed regularly depending on the degree of contamination. It should be removed immediately if contaminated or soaked by splashing.

SKIN CONTACT

124 Thoroughly wash with soap and water for 15 minutes.

PAPER TOWELS PREFERRED

125 Paper towels are preferred for drying after washing the hands or face, since cloth towels are likely to re-contaminate.

SMOKING, EATING, DRINKING

126 Smoking, eating or drinking is prohibited during and after exposure until face and hands have been washed. Special care and speed of decontamination is essential when handling organophosphorus pesticides.

## APPENDIX I

### EQUIPMENT FOR APPLICATION OF PESTICIDES AND HERBICIDES

The selection of correct equipment is vital for the safe and efficient use of pesticides. Equipment must be well maintained and carefully calibrated for accurate application.

Nozzle sizes, delivery pressures and speed of travel influence the rate of application, when using spraying equipment.

When spraying weeds in the forests, equipment which operates at low pressures, producing droplets which range in size from 200 to 400 microns is best, as this reduces the risk of drift.

#### TYPES OF EQUIPMENT

##### Controlled Droplet Applicators (C.D.A.)

- (a) Micron Herbi: a C.D.A. unit suitable for forestry applications. The Micron Herbi produces droplets ranging between 250 and 280 microns and is for applying herbicides in a controlled swath.
- (b) Micron Ulva: produces droplets between 70 and 125 microns in size, and is commonly used for insecticides and fungicides. It is generally not recommended for herbicides as the control of drift is a problem.
- (c) Micromax: a two speed C.D.A. unit that delivers droplets of 250 microns in size for herbicide applications, or 75 - 100 microns in size for fungicides and insecticides.

Micron Herbi, Micron Ulva and Micromax are available from Chem-Ag Distributors, 24 Faulkner Avenue, Belmont, W.A.

## Boom Sprayers

The choice of boom sprayers is largely dependent on the anticipated use. The length of boom, operating height, and field conditions under which you may be operating must be assessed before purchase. Boom sprayers fabricated by the Forests Department workshop form a high proportion of units used by the Forests Department.

## Nozzles

Ceramic nozzles are recommended for use on boom sprayers. The selection of nozzle depends on the interval between nozzles along the boom, and the expected rate of application. For a 50 cm interval use Albus APG 110 (110<sup>0</sup>), colour codes J (yellow), O (orange) or R (red).

For 33 cm interval use Albus APG 90 (90<sup>0</sup>), colour codes J (yellow), O (orange) or R (red). Refer to Albus catalogue for details of nozzle output. Albus equipment is available from Terra Trading Co. Ltd., 12 Dampier Road, Welshpool.

## Strainers

Approximately '50 mesh' strainers are suitable if clean water is used. Slotted strainers are recommended where liquids contain suspended solids. The following strainers are available:

- (a) 'Tee Jet' strainer, No. 8079-NY, 50 mesh.
- (b) 'Tee Jet' slotted strainer, No. 4514 NY-10. 'Tee Jet' equipment is available from Ajax Davey pumps, 10 Whyalla Street, Willeton.
- (c) Rega 'Lowpress', No. LN3 (strainers fitted) plus LN 560 (60 mesh strainer gauze). Rega equipment is available from Robert Linton and Co., 55 Canning Highway, Victoria Park.

## Power Take-Off (P.T.O.) Pumps

### (A) Gear pumps

- (i) Agserv 'Lo Vol', model 21A. Agserv equipment is available from Robert Linton and Co., 55 Canning Highway, Victoria Park.
- (ii) Drewburn, 'C.V.P.' pump unit (includes 'CVA 30' spray control valve). Drewburn pumps are available from Elders IXL, 310 Treasure Road, Welshpool.
- (iii) Koshin 'GB 20T'. Koshin pumps are distributed through Wesfarmers, Railway Parade, Bassendean.

### (B) Diaphragm pumps

Imovilli, M V 65; available from AJAX Davey Pumps, 10 Whyalla Street, Willetton.  
Silvan 40/20 Twin Diaphragm pump; available J&MB Thomas, 216 Welshpool Road, Queens Park.

## Boomless Sprayers

Boomless sprayers are used when it is too difficult to use boom sprayers.

Uses include: Spraying weeds and grass along timbered road sides; noxious weeds (thistle) in rugged terrain; and applying trace nutrients in pine plantations. The Drewburn S7 "Swathomatic" is a versatile unit which is suitable for most situations.

## Knapsack Sprayers

Knapsack sprayers are used for the control of small infestations of weeds and insects. Knapsack sprayers are more comfortable to carry than pneumatic sprayers. Various makes and models in use by the Forests Department include:

- (a) Rega M.P. Knapsack sprayers 13.6 litre capacity, Model 1 (all brass) or model 2 (lead coated brass).
- (b) I.C.I. 'CP15' Knapsack sprayer (15 litre polypropylene container), suitable for left or right hand operation. The 'CP15' is available from Robert Linton and Co., 55 Canning Highway, Victoria Park.
- (c) Solo 'Jet pack 425' Knapsack sprayer (15 litre polythene container), available with a pressure gauge and optional pressure regulating valve. Solo equipment is available from Solo chainsaws and Machinery Dist., 215B Railway Avenue, Kelmscott.
- (d) Silvan Capri 16 Litre Polythene Left or Right hand operated. Silvan are distributed by J&MB Thomas, 216 Welshpool Road, Queens Park.

## Pneumatic Sprayers

Available in stainless steel, brass, or polythene, pneumatic sprayers offer continuous output once pressurized. They have similar uses to knapsack sprayers, however, they are less comfortable to carry because of the cylindrical design.

- (a) Rega, Models 1, 2 and 3 (9.1 litre capacity), available in brass, lead coated brass, and stainless steel.
- (b) Solo 455 (5 litre capacity) all polythene construction.
- (c) Hills pressure sprayer (available in 3.5, 5, and 7 litre capacity); polythene construction with internal or external pump.
- (d) Silvan VOLPI Sprayer (available in 4, 6, and 8 litre capacity). Polythene construction, internal pump.



## Stem Injection Applicators

This equipment is used by the Forests Department to inject herbicide into unwanted trees and saplings. Careful maintenance is essential for a long trouble-free life.

- (a) Inv-jector basal bark spear. A safe and effective tool that is adjustable to 1 or 2 ml dose per stroke. The Inv-jector is available from G.H. Eddy & Sons, 56 Oliver Street, Invarell, N.S.W.
- (b) Philips 5 ml tree poisoning injector. This tool is used in conjunction with a light notching axe or chisel shaped hammer to inject 1 to 5 ml in a notch. Philips equipment is distributed by Ethical Traders, 27 Royal Street, Kenwick, W.A.

## Cut Stump Applicators

In addition to knapsack and pneumatic sprayers, herbicides are frequently applied to cut stumps by modified vaccinators. The Philips 'Vaxmaster MkII' is the most commonly used, and is modified to accept a Rega 'NZ 6' adjustable nozzle.

## Foliar Spray Applicators

Apart from the boom spray application of herbicides, there are two other operations in which the foliage of unwanted plants is sprayed. These are the control of eucalypt regrowth in pine plantations, under powerlines, and along road verges; and Blackberry control.

Two types of equipment are used for the control of eucalyptus regrowth:

- (a) Philips 'Vaxmaster MkII',
- (b) Solo, Hills, Rega or Silvan pneumatic sprayers.

Blackberries are sprayed using a tractor with a Power take-off (p.t.o.) pump, remote high pressure hoses, and Rega 'high pressure spraying wand' Agserv 'sprayrite' pistol, or 'Spraying System's' 43 H.A. hand gun. Suitable nozzles for the Rega 'high pressure spraying wand' are Rega NZ2846 or NZ2862.

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**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)  
and the relevant technical instruction sheet.

<b>TRADE NAME</b>	BANEX WEEDKILLER - Not Registered.
<b>ACTIVE INGREDIENT</b>	200g/l dicamba as the dimethylamine salt
<b>CLASSIFICATION</b>	Translocated herbicide (pesticide)
<b>FORMULATION</b>	Water miscible liquid concentrate
<b>USE</b>	As per "Herbicide Technical Instructions"
<b>PROTECTIVE CLOTHING</b>	
Mixing	PVC apron and gloves, long sleeved combination overalls twin cartridge respirator with Agricultural filters and goggles or face shield.
Application	PVC gloves, long sleeved combination overalls and twin cartridge respirator with chemical Agricultural filters optional - goggles.
Personal precautions	Wash skin with soap and water immediately after use & before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.
Hazard to health	Stored in body - No. Degree of toxicity: Swallowing - Low Skin Absorption - Low Inhalation - Moderate
<b>FIRST AID:</b>	
Swallowing	Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15mls.
Splashing in eyes	Flush with water for 15 mins., cover eye with eye pad.
Spillage over person	Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT,  
SEE LOCAL MEDICAL OFFICER**

<b>ENVIRONMENTAL LIMITATIONS:</b>	Do not use when temperature exceeds 24°C. The Agricultural Protection Board have advised that we may be asked to use this to control Double Gee in certain areas of tuart forest. Do not spray near irrigation or domestic water supplies.
<b>STORAGE:</b>	In locked chemical store. Must decant leaking containers.
<b>SPILLAGE:</b>	Collect contaminated material & dispose of at an approved stie by burial with Soda ash or lime.
<b>DISPOSAL OF CONTAINER:</b>	Double rinse empty container with water & add rinse to spray. Puncture or crush & dispose of by burying at the local authorities approved site.
<b>MANUFACTURER:</b>	I.C.I. Australia, Velsicol, Amalgamated Chemicals, Ciba Giegy, Nufarm, C.I.K.



*Fender*  
17.02 88

CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.

INSTRUCTIONS FOR SAFE USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)  
and the relevant technical instruction sheet

<b>TRADE NAME</b>	CARAGARD
<b>ACTIVE INGREDIENT</b>	250 g/l terbuthylazine 150 g/l terbumenton
<b>CLASSIFICATION</b>	Selective Herbicide (pesticide)
<b>FORMULATION</b>	Emulsifiable concentrate
<b>USE</b>	As per "Herbicide Technical Instructions"
<b>PROTECTIVE CLOTHING</b>	
Mixing :	PVC apron and gloves, long sleeved combination overalls. Twin Cartridge respirator with Agricultural filters.
Application	As above.
Personal precautions	Wash skin with soap & water immediately after use & before eating, drinking or smoking. Wash clothing regularly, or when known to be contaminated.
Hazard to health	Stored in body - No Degree of toxicity: Swallowing - Moderate Skin absorption - Low Inhalation - Low
<b>FIRST AID:</b>	
Swallowing	Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.
Splashing in eyes	Flush with water for 15 mins., cover eye with eye pad.
Spillage over person	Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL LIMITATIONS:</b>	Use Chemical only at recommended rate and growth stages on crops and weeds. Moderately toxic to fish. Do not contaminate ponds, streams, waterways, dams or drains. Do not spray on crops other than those recommended. Avoid spray drift. Wash sprayer thoroughly after use.
<b>STORAGE:</b>	Must be stored in a cool, dry, locked chemical store in original container.
<b>SPILLAGE:</b>	Collect contaminated material & dispose of at an approved site by burial after treatment with Soda ash or lime.
<b>DISPOSAL OF CONTAINER:</b>	Double rinse empty container & add mix to spray. Puncture or crush & dispose of by burying at the local authorities approved site.
<b>MANUFACTURER:</b>	Ciba-Geigy Australia Ltd.



*Perda*  
17.02.83

**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)  
and the relevant technical instruction sheet

<b>TRADE NAME</b>	DACONATE 8 Post-Emergence Herbicide
<b>ACTIVE INGREDIENT</b>	800 g/l monosodium methyl arsenate (MSMA)
<b>CLASSIFICATION</b>	Pentavalent Arsenical (pesticide)
<b>FORMULATION</b>	Liquid Concentrate
<b>USE</b>	As per "Herbicide Technical Instructions"
<b>PROTECTIVE CLOTHING</b>	
Mixing :	PVC apron and gloves, long sleeved combination overalls and twin cartridge respirator with agricultural filter.
Application	PVC gloves, long sleeved combination overalls and twin cartridge respirator with agricultural filters.
Personal precautions	Wash skin with soap & water immediately after use & before eating, drinking or smoking. Wash clothing regularly, or when known to be contaminated.
Hazard to health	Stored in body - Yes Degree of toxicity: Swallowing - Moderate Skin absorption - Low Inhalation - Low
<b>FIRST AID:</b>	
Swallowing	Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.
Splashing in eyes	Flush with water for 15 mins., cover eye with eye pad.
Spillage over person	Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL LIMITATIONS:</b>	Avoid contamination of rivers, streams, waterways, dams or drains.
<b>STORAGE:</b>	In locked chemical store, away from active metals such as iron, aluminium or zinc.
<b>SPILLAGE:</b>	Collect contaminated material and dispose of at an approved site by burial after treatment with soda ash or lime.
<b>DISPOSAL OF CONTAINER:</b>	After double rinsing, crush or puncture then dispose of by burying at the local authorities approved site.
<b>MANUFACTURER:</b>	Agchem Pty. Ltd.,



*Agchem*  
17.02.88

**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)  
and the relevant technical instruction sheet

<b>TRADE NAME</b>	DACTHAL WEED PREVENTER (Vegeweed D. Crab grass preventer)
<b>ACTIVE INGREDIENT</b>	750 g/l chlorthal dimethyl
<b>CLASSIFICATION</b>	Pre-emergent herbicide (pesticide)
<b>FORMULATION</b>	Wettable powder
<b>USE</b>	As per "Herbicide Technical Instructions"
<b>PROTECTIVE CLOTHING</b>	
Mixing :	PVC apron and gloves and long sleeved combination overalls and goggles, twin cartridge respirator with agricultural filters.
Application	PVC gloves and long sleeved combination overalls
Personal precautions	Wash skin with soap & water immediately after use & before eating, drinking or smoking. Wash clothing regularly, or when known to be contaminated.
Hazard to health	Stored in body - No Degree of toxicity: Swallowing - Moderate Skin absorption - Low Inhalation - Low
<b>FIRST AID:</b>	
Swallowing	Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.
Splashing in eyes	Flush with water for 15 mins., cover eye with eye pad.
Spillage over person	Carefully remove protective clothing, wash skin with soap and water then put on clean clothes.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL</b>	
<b>LIMITATIONS:</b>	Avoid indiscriminate use.
<b>STORAGE:</b>	Locked chemical store.
<b>SPILLAGE:</b>	Sweep up and dispose of contaminated material at an approved site by burial after treatment with soda ash or lime.
<b>DISPOSAL OF CONTAINER:</b>	Ensure entire contents have been used, rinse, then dispose of by burying at the local authorities approved site.
<b>MANUFACTURER:</b>	Agchem Pty. Ltd., S.D.S. Biotech.



*Agchem*  
17.02.83

**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**

**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)  
and the relevant technical instruction sheet

**TRADE NAME** DOWPON Systemic Grasskiller  
**ACTIVE INGREDIENT** 740 g/kg sodium 2,2 - dichloropropionic acid  
**CLASSIFICATION** Non selective translocated herbicide (pesticide)  
**FORMULATION** Soluable powder.  
**USE** As per "Herbicide Technical Instructions"

**PROTECTIVE CLOTHING**

Mixing : PVC apron and gloves, long sleeved combination overalls and goggles.  
Application PVC gloves, long sleeved combination overalls.  
Personal precautions Wash skin with soap & water immediately after use & before eating, drinking or smoking. Wash clothing regularly, or when known to be contaminated.

Hazard to health Stored in body - No  
Degree of toxicity: Swallowing - Low  
Skin absorption - Low  
Inhalation - Low

**FIRST AID:**

Swallowing Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.  
Splashing in eyes Flush with water for 15 mins, cover eye with eye pad.  
Spillage over person Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER**

**ENVIRONMENTAL LIMITATIONS:**

Do not spray in high winds. Avoid spray drift. Keep away from plants not to be killed. Avoid contamination of waterways.

**STORAGE:**

Locked chemical store.

**SPILLAGE:**

Sweep up and dispose of contaminated material by burial at an approved site after treatment with soda ash or lime.

**DISPOSAL OF CONTAINER:**

Ensure entire contents have been used, rinse then dispose of by burying at the local authorities approved site.

**MANUFACTURER:**

Garden and Hardware Stores.



*Jordan*  
17.02.88





**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)  
and the relevant technical instruction sheet

<b>TRADE NAME</b>	FLOWABLE GESAPRIM 500 FW Liquid Herbicide.
<b>ACTIVE INGREDIENT</b>	500 g/l atrazine
<b>CLASSIFICATION</b>	Selective herbicide (pesticide)
<b>FORMULATION</b>	Flowable liquid formulation.
<b>USE</b>	As per Herbicide Technical Instructions.
<b>PROTECTIVE CLOTHING</b>	
Mixing:	PVC apron and gloves long sleeved combination overalls and twin cartridge respirator with agricultural filters and goggles.
Application	PVC gloves and combination overalls.
Personal precautions	Wash skin with soap & water immediately after use & before eating, drinking or smoking. Wash clothing regularly, or when known to be contaminated.
Hazard to health	Stored in body - No Degree of toxicity: Swallowing - Moderate Skin absorption - Low Inhalation - Low
<b>FIRST AID:</b>	
Swallowing	Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.
Splashing in eyes	Flush with water for 15 mins., cover eye with eye pad.
Spillage over person	Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL</b>	
<b>LIMITATIONS:</b>	None known at present.
<b>STORAGE:</b>	In a locked chemical store.
<b>SPILLAGE:</b>	Collect contaminated material and dispose of by burial at an approved site after treatment with soda ash or lime.
<b>DISPOSAL OF CONTAINER:</b>	Double rinse container and add mix to spray. Puncture or crush and dispose of by burying at the local authorities approved site.
<b>MANUFACTURER:</b>	Ciba-Geigy Australia Ltd., Nufarm I.C.I., Schering, C.I.K., Amalgamated.



*Perda*  
1702.88

**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)  
and the relevant technical instruction sheet

**TRADE NAME** GESAMIL 50 WETTABLE POWDER selective herbicide.  
**ACTIVE INGREDIENT** 500 g/l propazine.  
**CLASSIFICATION** Selective Herbicide (pesticide)  
**FORMULATION** Wettable powder.  
**USE** As per Herbicide Technical Instructions.

**PROTECTIVE CLOTHING**

Mixing: PVC apron and gloves and long sleeved combination overalls and goggles.  
Application: PVC gloves and long sleeved combination overalls.  
Personal precautions: Wash skin with soap & water immediately after use & before eating, drinking or smoking. Wash clothing regularly, or when known to be contaminated.

Hazard to health: Stored in body - No  
Degree of toxicity: Swallowing - Low  
Skin absorption - Low  
Inhalation - Low

**FIRST AID:**

Swallowing: Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.  
Splashing in eyes: Flush with water for 15 minutes, cover eye with eye pad.  
Spillage over person: Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER**

**ENVIRONMENTAL**

**LIMITATIONS:** Avoid indiscriminate use.  
**STORAGE:** In locked Chemical Store.  
**SPILLAGE:** Sweep up and dispose of contaminated soil by burial at an approved site after treatment with soda ash or lime.

**DISPOSAL OF CONTAINER:** Ensure entire contents have been used, rinse then dispose of by burying at the local authorities approved site.

**MANUFACTURER:** Ciba-Geigy Australia Ltd.



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CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.

INSTRUCTIONS FOR SAFE USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)  
and the relevant technical instruction sheet

<b>TRADE NAME</b>	HOEGRASS Selective Herbicide.
<b>ACTIVE INGREDIENT</b>	375 g/l dichlofop - methyl
<b>CLASSIFICATION</b>	Selective Herbicide (pesticide)
<b>FORMULATION</b>	Water miscible liquid.
<b>USE</b>	As per Herbicide Technical Instructions.
<b>PROTECTIVE CLOTHING</b>	
Mixing:	PVC apron and gloves and long sleeved combination overalls and. Twin cartridge respirator with agricultural filters.
Application	As above.
Personal precautions	Wash skin with soap & water immediately after use & before eating, drinking or smoking. Wash clothing regularly, or when known to be contaminated.
<b>Hazard to health</b>	
	Stored in body - No Degree of toxicity: Swallowing - Moderate Skin absorption - Low Inhalation - Low
<b>FIRST AID:</b>	
Swallowing	Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.
Splashing in eyes	Flush with water for 15 minutes, cover eye with eye pad.
Spillage over person	Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL</b>	
<b>LIMITATIONS:</b>	Do not contaminate dams, streams, domestic or irrigation water supplies. Do not graze or cut for stockfeed 50 days (8 weeks) after application. Avoid spray drift. Do not use if rainfall is expected within 2 hours. Do not plant crops for 10 weeks after application. Do not expose to high temperatures.
<b>STORAGE:</b>	Cool, dry, locked store and store in tightly closed original container.
<b>SPILLAGE:</b>	Collect contaminated material and dispose of by burial at an approved site after treatment with soda ash or lime.
<b>DISPOSAL OF CONTAINER:</b>	Double rinse container and add mix to spray. Puncture or crush then dispose of at local authorities approved site.
<b>MANUFACTURER:</b>	Hoechst Australia Ltd.,



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**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)  
and the relevant technical instruction sheet

<b>TRADE NAME</b>	LINURON 50 Weedkiller Wettable Powder.
<b>ACTIVE INGREDIENT</b>	500 g/kg linuron.
<b>CLASSIFICATION</b>	Contact and soil acting herbicide (pesticide)
<b>FORMULATION</b>	Wettable powder.
<b>USE</b>	As per Herbicide Technical Instructions.
<b>PROTECTIVE CLOTHING</b>	
Mixing:	PVC apron and gloves, long sleeved combination overalls and. Twin cartridge respirator with agricultural filters and goggles.
Application	PVC gloves, long sleeved combination overalls optional, twin cartridge respirator.
Personal precautions	Wash skin with soap & water immediately after use & before eating, drinking or smoking. Wash clothing regularly, or when known to be contaminated.
Hazard to health	Stored in body - No Degree of toxicity: Swallowing - Moderate Skin absorption - Low Inhalation - Low
<b>FIRST AID:</b>	
Swallowing	Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.
Splashing in eyes	Flush with water for 15 minutes, cover eye with eye pad.
Spillage over person	Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL LIMITATIONS:</b>	
	Keep away from roots of plants to be retained. Harmful to fish.
<b>STORAGE:</b>	In cool, dry, locked store.
<b>SPILLAGE:</b>	Sweep up and dispose of contaminated soil by burial at an approved site after treatment with soda ash or lime.
<b>DISPOSAL OF CONTAINER:</b>	Ensure entire contents have been used, rinse then dispose of by burying at local authorities approved site.
<b>MANUFACTURER:</b>	Du Pont Australia Ltd., Schering Hoechst.



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**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)  
and the relevant technical instruction sheet

<b>TRADE NAME</b>	ROUNDUP HERBICIDE
<b>ACTIVE INGREDIENT</b>	360g/litre glyphosate
<b>CLASSIFICATION</b>	Non selective translocated herbicide (pesticide)
<b>FORMULATION</b>	Water soluble liquid.
<b>USE</b>	As per Herbicide Technical Instructions.
<b>PROTECTIVE CLOTHING</b>	
Mixing:	PVC apron and gloves, long sleeved combination overalls, goggles and twin cartridge respirators with agricultural filters.
Application	Long sleeved combination overalls. Optional: PVC gloves, respirators and goggles.
Personal precautions	Wash skin with soap & water immediately after use & before eating, drinking or smoking. Wash clothing regularly, or when known to be contaminated.
Hazard to health	Stored in body - No Degree of toxicity: Swallowing - Low Skin absorption - Low Inhalation - Low
<b>FIRST AID:</b>	
Swallowing	Do not induce vomiting, give plenty of milk or water. See local medical officer immediately.
Splashing in eyes	Flush with water for 15 minutes, cover eye with eye pad.
Spillage over person	Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL</b>	
<b>LIMITATIONS:</b>	Non selective in action, will injure all plants including trees. Avoid spray drift. Do not contaminate dams, rivers, or streams. Do not spray from aircraft.
<b>STORAGE:</b>	Keep in cool, dry locked store. Store in original container and keep container tightly closed. Store away from unlined or galvanized steel.
<b>SPILLAGE:</b>	Collect contaminated soil or swabbed material and dispose of by burying at the local authorities approved site.
<b>DISPOSAL OF CONTAINER:</b>	Double rinse container and add rinse to spray. Puncture or crush and dispose of by burying at local authorities approved site.
<b>MANUFACTURER:</b>	Monsanto Co. Ltd., Nufarm.



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**CONSERVATION AND LAND MANAGEMENT DEPARTMENT OF W.A.**

**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980  
and the relevant technical instruction sheet)

**TRADE NAME:** 2,4, - D Amine 50 Selective Herbicide.  
**ACTIVE INGREDIENT:** 500 g/l 2,4-dichlorophenoxyacetic acid as dimethylamine salt.  
**CLASSIFICATION:** Translocated Herbicide (pesticide)  
**FORMULATION:** Water miscible liquid.

**USE:** As per Herbicide Technical Instructions.

**PROTECTIVE CLOTHING:**  
Mixing: PVC apron and gloves, long sleeved combination overalls and twin cartirdge respirator with agricultural filters and goggles.  
Application: PVC gloves, long sleeved combination overalls and twin cartridge respirator with agricultural filters.

**PERSONAL PRECAUTIONS:** Wash skin with soap and water immediately after use & before eating, drinking or smoking. Wash clothing regularly, or when known to be contaminated.

**HAZARD TO HEALTH:** Stored in body - No  
Degree of toxicity: Swallowing - Moderate  
Skin absorption - Low  
Inhalation - Low

**FIRST AID:**  
Swallowing: Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.  
Splashing in Eyes: Flush with water for 15 mins., cover eye with eye pad.  
Spillage over person: Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER**

**ENVIRONMENTAL LIMITATIONS:** Dept. Agriculture approval is required if spraying is necessary within a 5km radius of commercial vines or tomato crops. Do not spray near irrigation, domestic water etc. Keep livestock away from sprayed areas for at least 2 weeks.

**STORAGE:** In locked chemical store. Do not store leaking containers.

**SPILLAGE:** Collect contaminated material and dispose of at an approved site by burial after treatment with soda ash or lime.

**DISPOSAL OF CONTAINER:** Double rinse container and add rinse to spray. Puncture or crush and dispose of by burying at local authorities approved site.

**MANUFACTURER:** Dow, C.I.K.  
Amalgamated, Nufarm, Eldersmith  
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**CONSERVATION AND LAND MANAGEMENT DEPARTMENT OF W.A.**

**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980  
and the relevant technical instruction sheet)

**TRADE NAME:** TORDON 50-D Weedkiller

**ACTIVE INGREDIENT:** 200g/l 2,4, - dichlorophenoxyacetic acid 50 g/l  
picloram - both as tri isopropanolamine salts.

**CLASSIFICATION:** Translocated Residual Herbicide (pesticide)

**FORMULATION:** Water miscible liquid concentrate.

**USE:** As per Herbicide Technical Instructions.

**PROTECTIVE CLOTHING:**

Mixing: PVC apron and gloves, long sleeved combination  
overalls and twin cartridge respirator with  
agricultural filter and goggles.

Application: PVC gloves, long sleeved combination overalls  
and twin cartridge respirator with agricultural  
filter.

**PERSONAL PRECAUTIONS:** Wash skin with soap and water immediately after  
use & before eating, drinking or smoking. Wash  
clothing regularly, or when known to be  
contaminated.

**HAZARD TO HEALTH:** Stored in body - No  
Degree of toxicity: Swallowing - Moderate  
Skin absorption - Low  
Inhalation - Low

**FIRST AID:**

Swallowing: Induce vomiting - tickle back of throat with a  
clean finger or give glass warm salty water or  
Syrup of Ipecac 15 mls.

Splashing in Eyes: Flush with water for 15 mins., cover eye with  
eye pad.

Spillage over person: Carefully remove protective clothing, wash skin  
with soap and water for 15 mins., then put on  
clean clothes.

**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT,  
SEE LOCAL MEDICAL OFFICER**

**ENVIRONMENTAL  
LIMITATIONS:** Has low volatility. Do not use a spray when  
temperature exceeds 24°C. Dept. of Agriculture  
approval is required if spraying is necessary  
within 5 km radius of commercial vines or tomato  
crops. Do not spray near irrigation or domestic  
water supplies, rivers or streams. Harmful to  
fish. Keep livestock away from sprayed areas for  
2 weeks. Do not use through boom or aerial  
sprays. Avoid spray drift. Do not use sprayer  
for any other purpose.

**STORAGE:** In locked chemical store. Do not store leaking  
containers. Decant leaking containers.

**SPILLAGE:** Collect contaminated material and dispose of at  
an approved site by burial after treatment with  
soda ash or lime.

**DISPOSAL OF CONTAINER:** Double rinse container with water and add rinse  
to spray. Puncture or crush and dispose of by  
burying at local authorities approved site.

**MANUFACTURER:** Dow Chemicals Aust.



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**CONSERVATION AND LAND MANAGEMENT DEPARTMENT OF W.A.**

**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980  
and the relevant technical instruction sheet)

**TRADE NAME:** TREFLAN SELECTIVE HERBICIDE  
**ACTIVE INGREDIENT:** 400 g/l trifluralin  
**CLASSIFICATION:** Pre emergent herbicide (pesticide)  
**FORMULATION:** Emulsifiable concentrate.  
**USE:** As per Herbicide Technical Instructions  
**PROTECTIVE CLOTHING:**  
Mixing: PVC apron and gloves, long sleeved combination  
overalls and face shield.  
Application: PVC gloves and long sleeved combination  
overalls.  
**PERSONAL PRECAUTIONS:** Wash skin with soap and water immediately after  
use & before eating, drinking or smoking. Wash  
clothing regularly, or when known to be  
contaminated.  
**HAZARD TO HEALTH:** Stored in body - No  
Degree of toxicity: Swallowing - Low  
Skin absorption - Low  
(May be skin irritant)  
Inhalation - Low  
**FIRST AID:**  
Swallowing: Induce vomiting - tickle back of throat with a  
clean finger or give glass of warm salty water  
or Syrup of Ipecac 15 mls.  
Splashing in Eyes: Wash with water for 15 mins., cover eye with eye  
pad.  
Spillage over person: Carefully remove protective clothing, wash skin  
with soap and water then put on clean clothes.  
**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT,  
SEE LOCAL MEDICAL OFFICER**  
**ENVIRONMENTAL  
LIMITATIONS:** Avoid indiscriminate use. Do not expose to high  
temperatures or sunlight. Trifluralin is  
insoluble in water. Treflan must be mixed into  
soil within 4 hours of spraying. Do not spray  
on wet, warm soil surfaces or when wind velocity  
exceeds 16 km/hr.  
**STORAGE:** Cool, dry, locked store, away from reactive  
chemicals.  
**SPILLAGE:** Collect contaminated material and contact local  
Health Surveyor for advice on disposal method.  
**DISPOSAL OF CONTAINER:** Double rinse container with water and add mix to  
spray. Puncture or crush and dispose of by  
burying at local authorities approved site.  
**MANUFACTURER:** Nufarm, Amalgamated, C.I.K.  
Koor, Eldersmith.



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**CONSERVATION AND LAND MANAGEMENT DEPARTMENT OF W.A.**

**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980  
and the relevant technical instruction sheet)

**TRADE NAME:** TRYQUAT The non-residual knockdown herbicide  
**ACTIVE INGREDIENT:** 100 g/l paraquat, 50 g/l diquat.  
**CLASSIFICATION:** A contact herbicide (pesticide)  
**FORMULATION:** Aqueous solution  
**USE:** As per Herbicide Technical Instructions.  
**PROTECTIVE CLOTHING:**  
Mixing: PVC gloves, long sleeved combination overalls  
and twin cartridge respirator with agricultural  
filters and PVC apron and faceshield.  
Application: As above plus impervious boots.  
**PERSONAL PRECAUTIONS:** Wash skin with soap and water immediately after  
use & before eating, drinking or smoking. Wash  
clothing regularly, or when known to be  
contaminated.  
**HAZARD TO HEALTH:** Stored in body - No  
Degree of toxicity: Swallowing - High  
Skin absorption - High  
Inhalation - High  
**FIRST AID:**  
Swallowing: Induce vomiting - tickle back of throat with a  
clean finger or give glass of warm salty water  
or Syrup of Ipecac 15 mls.  
Splashing in Eyes: Flush with water for 15 mins., cover eye with  
eye pad.  
Spillage over person: Carefully remove protective clothing, wash skin  
with soap and water then put on clean clothes.  
**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT,  
SEE LOCAL MEDICAL OFFICER**  
**ENVIRONMENTAL  
LIMITATIONS:** On very sandy soils apply at least 3 days before  
emergence of drilled crops. Do not use where  
bulbs are grown in very sandy soil as damage can  
occur. Do not use on straw bales or other  
artificial growing media. Harmful to animals.  
Do not apply near water courses.  
**STORAGE:** In chemical store. Store away from strong  
oxidising material.  
**SPILLAGE:** Collect contaminated material and dispose of at  
an approved site by burial after treatment with  
soda ash or lime.  
**DISPOSAL OF CONTAINER:** Double rinse container with water & add mix to  
spray. Puncture or crush and dispose of by  
burying at local authorities approved site.  
**MANUFACTURER:** I.C.I. Australia.



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**CONSERVATION AND LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980  
and the relevant technical instruction sheet)

**TRADE NAME:** VELPAR L WEEDKILLER WATER MISCIBLE LIQUID  
**ACTIVE INGREDIENT:** 250 g/l hexazinone  
**CLASSIFICATION:** Selective contact and Residual Herbicide  
(pesticide)  
**FORMULATION:** Water miscible liquid.  
**USE:** As per Herbicide Technical Instructions.  
**PROTECTIVE CLOTHING:**  
Mixing: PVC apron and gloves and long sleeved  
combination overalls and goggles.  
Application: Overalls.  
**PERSONAL PRECAUTIONS:** Wash skin with soap and water immediately after  
use & before eating, drinking or smoking. Wash  
clothing regularly, or when known to be  
contaminated.  
**HAZARD TO HEALTH:** Stored in body - No  
Degree of toxicity: Swallowing - Moderate  
Skin absorption - Low  
Inhalation - Low  
Do not use for any other purpose than that  
stated on the label.  
**FIRST AID:**  
Swallowing: Induce vomiting - tickle back of throat with a  
clean finger or give glass of warm water or  
Syrup of Ipecac 15 mls.  
Splashing in Eyes: Flush with water for 15 mins., cover eye with  
eye pad.  
Spillage over person: Carefully remove protective clothing, wash skin  
with soap and water, then put on clean clothes.  
**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT,  
SEE LOCAL MEDICAL OFFICER**  
**ENVIRONMENTAL  
LIMITATIONS:** Avoid spray drift. Preferable to use when  
temperatures exceed 25°C. Do not apply near  
trees for retention. Do not contaminate dams,  
streams, domestic or irrigation waterways etc.  
Do not expose to high temperatures or flames.  
Keep stock away from treated areas.  
**STORAGE:** Cool, dry locked store. Store away from seed,  
fertilisers, insecticides and fungicides.  
**SPILLAGE:** Collect contaminated material and dispose of at  
an approved site by burial after treatment with  
soda ash or lime.  
**DISPOSAL OF CONTAINER:** Double rinse container with water and add mix to  
spray. Puncture or crush and dispose of by  
burying at local auauthorities approved site.  
**MANUFACTURER:** Du Pont Australia.



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**CONSERVATION AND LAND MANAGEMENT DEPARTMENT OF W.A.**

**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980  
and the relevant technical instruction sheet)

**TRADE NAME:** VOROX AA All purpose Herbicide.  
**ACTIVE INGREDIENT:** 400 g/kg atrazine, 400 g/kg amitrole.  
**CLASSIFICATION:** Foliar and root translocated herbicide  
(pesticide)  
**FORMULATION:** Wettable powder.  
**USE:** As per Herbicide Technical Instructions.  
**PROTECTIVE CLOTHING:**  
Mixing: PVC apron and gloves, long sleeved combination  
overalls, goggles and twin cartridge respirator.  
Application: PVC gloves, and longsleeved combination  
overalls.  
**PERSONAL PRECAUTIONS:** Wash skin with soap and water immediately after  
use & before eating, drinking or smoking. Wash  
clothing regularly, or when known to be  
contaminated.  
**HAZARD TO HEALTH:** Stored in body - No  
Degree of toxicity: Swallowing - Moderate  
Skin absorption - Low  
Inhalation - Low  
**FIRST AID:**  
Swallowing: Induce vomiting - tickle back of throat with a  
clean finger or give glass warm salty water or  
Syrup of Ipecac 15 mls.  
Splashing in Eyes: Flush with water for 15 mins., cover eye with  
eye pad.  
Spillage over person: Carefully remove protective clothing, wash skin  
with soap and water then put on clean clothes.  
**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT,  
SEE LOCAL MEDICAL OFFICER**  
**ENVIRONMENTAL  
LIMITATIONS:** Do not spray near fruit trees until after  
picking. Avoid spray drift. Do not use sprayer  
for any other purpose. Do not plant straight  
after spraying - see label. Do not expose to  
high temperatures.  
**STORAGE:** In locked chemical store.  
**SPILLAGE:** Collect and re-use, contaminated material should  
be disposed of at the approved site after  
treatment with soda ash or lime.  
**DISPOSAL OF CONTAINER:** Ensure entire contents have been used, rinse and  
add to spray. Dispose of by burying at local  
authorities approved site.  
**MANUFACTURER:** Ciba-Geigy Australia Ltd.,



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**CONSERVATION AND LAND MANAGEMENT DEPARTMENT OF W.A.**

**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980  
and the relevant technical instruction sheet)

**TRADE NAME:** FLOWABLE VOROX AA  
**ACTIVE INGREDIENT:** 320 g/l atrazine, 320 g/l amitrole.  
**CLASSIFICATION:** Foliar and root translocated herbicide  
(pesticide)  
**FORMULATION:** Flowable suspension.  
**USE:** As per Herbicide Technical Instructions.  
**PROTECTIVE CLOTHING:**  
Mixing: PVC apron and gloves, long sleeved combination  
overalls and goggles.  
Application: PVC gloves and long sleeved combination  
overalls.  
**PERSONAL PRECAUTIONS:** Wash skin with soap and water immediately after  
use & before eating, drinking or smoking. Wash  
clothing regularly, or when known to be  
contaminated.  
**HAZARD TO HEALTH:** Stored in body - No  
Degree of toxicity: Swallowing - Moderate  
Skin absorption - Low  
Inhalation - Low  
**FIRST AID:**  
Swallowing: Induce vomiting - tickle back of throat with a  
clean finger or give glass warm salty water or  
Syrup of Ipecac 15 mls.  
Splashing in Eyes: Flush with water for 15 mins., cover eye with  
eye pad.  
Spillage over person: Carefully remove protective clothing, wash skin  
with soap and water then put on clean clothes.  
**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT,  
SEE LOCAL MEDICAL OFFICER**  
**ENVIRONMENTAL  
LIMITATIONS:** Do not spray near fruit trees until after  
picking. Avoid spray drift. Do not use sprayer  
for any other purpose. Do not plant straight  
after spraying - see label. Do not expose to  
high temperatures.  
**STORAGE:** In locked chemical store.  
**SPILLAGE:** Collect contaminated material and dispose of at  
an approved site by burial after treatment with  
soda ash or lime.  
**DISPOSAL OF CONTAINER:** Double rinse container with water and add mix to  
spray. Puncture or crush and dispose of by  
burying at local authorities approved site.  
**MANUFACTURER:** Ciba-Geigy, Nufarm



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**CONSERVATION AND LAND MANAGEMENT DEPARTMENT OF W.A.**

**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980  
and the relevant technical instruction sheet)

**TRADE NAME:** WEEDAZOL T L PLUS  
**ACTIVE INGREDIENT:** 250 g/l amitrol, 220 g/l ammonium thiocyanate  
**CLASSIFICATION:** Non selective translocated herbicide (pesticide)  
**FORMULATION:** Liquid concentrate.  
**USE:** As per Herbicide Technical Instructions.  
**PROTECTIVE CLOTHING:**  
Mixing: PVC apron and gloves, long sleeved combination overalls, goggles and twin cartridge respirator with agricultural filter.  
Application: PVC gloves, long sleeved combination overalls.  
**PERSONAL PRECAUTIONS:** Wash skin with soap and water immediately after use & before eating, drinking or smoking. Wash clothing regularly, or when known to be contaminated.  
**HAZARD TO HEALTH:** Stored in body - No  
Degree of toxicity: Swallowing - Moderate  
Skin absorption - Low  
Inhalation - Low  
**FIRST AID:**  
Swallowing: Induce vomiting - tickle back of throat with a clean finger or give glass warm salty water or Syrup of Ipecac 15 mls.  
Splashing in Eyes: Flush with water for 15 mins., cover eye with eye pad.  
Spillage over person: Carefully remove protective clothing, wash skin with soap and water then put on clean clothes.  
**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER**  
**ENVIRONMENTAL LIMITATIONS:** Do not expose to high temperatures. Do not allow to come into contact with acid fumes.  
**STORAGE:** Locked chemical store.  
**SPILLAGE:** Collect contaminated material and dispose of at an approved site by burial after treatment with sods ash or lime.  
**DISPOSAL OF CONTAINER:** Double rinse container with water and add mix to spray. Puncture, crush or dispose of by burying at local authorities approved site.  
**MANUFACTURER:** Ciba-Geigy Australia Ltd.  
Nufarm.



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**CONSERVATION AND LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980  
and the relevant technical instruction sheet)

**TRADE NAME:** WEEDOBEN M BINDI WEEDKILLER  
**ACTIVE INGREDIENT:** 200 g/l bromoxynil as octanoic acid ester, 200 g/l MCPA, as butoxy ethanol ester.  
**CLASSIFICATION:** Translocated herbicide (pesticide)  
**FORMULATION:** Water miscible concentrate  
**USE:** As per Herbicide Technical Instructions.  
**PROTECTIVE CLOTHING:**  
Mixing: PVC apron and gloves, long sleeved combination overalls and goggles and twin cartridge respirator with agricultural filter.  
Application: PVC gloves, long sleeved combination overalls and twin cartridge respirator with agricultural filter.  
**PERSONAL PRECAUTIONS:** Wash skin with soap and water immediately after use & before eating, drinking or smoking. Wash clothing regularly, or when known to be contaminated.  
**HAZARD TO HEALTH:** Stored in body - No  
Degree of toxicity: Swallowing - High  
Skin absorption - Low  
Inhalation - Low  
**FIRST AID:**  
Swallowing: Induce vomiting - tickle back of throat with a clean finger or give glass warm salty water or Syrup of Ipecac 15 mls.  
Splashing in Eyes: Flush with water for 15 mins., cover eye with eye pad.  
Spillage over person: Carefully remove protective clothing, wash skin with soap and water then put on clean clothes.  
**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER**  
**ENVIRONMENTAL LIMITATIONS:** Do not use within 10km of commercial grape vines, tomato crops etc., without permission of Agricultural Department. Do not use on bent, descue or buffalo lawns.  
**STORAGE:** In cool, dry locked chemical store.  
**SPILLAGE:** Collect contaminated material and dispose of at an approved site by burial after treatment with soda ash or lime.  
**DISPOSAL OF CONTAINER:** Double rinse container with water and add mix to spray. Puncture or crush and dispose of by burying at local authorities approved site.  
**MANUFACTURER:** Ciba-Geigy (Aust. Ltd.)  
May and Barker  
Hortico  
C.I.K.



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**CONSERVATION AND LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980  
and the relevant technical instruction sheet)

**TRADE NAME:** YIELD 25 E.C.  
**ACTIVE INGREDIENT:** 125 g/l Trifluralin and 125 g/l Oryzalin  
**CLASSIFICATION:** Selective Herbicide (Pesticide)  
**FORMULATION:** Emulsifiable Concentrate.  
**USE:** As per Herbicide Technical Instructions.  
**PROTECTIVE CLOTHING:**  
Mixing: PVC apron and gloves, long sleeved combination  
overalls, goggles and twin cartridge respirator  
(agricultural filter).  
Application: As above.  
**PERSONAL PRECAUTIONS:** Wash skin with soap and water immediately after  
use & before eating, drinking or smoking. Wash  
clothing regularly, or when known to be  
contaminated.  
**HAZARD TO HEALTH:** Stored in body - No  
Degree of toxicity: Swallowing - Moderate  
Skin absorption - Low (may be  
skin irritant)  
Inhalation - Low  
**FIRST AID:**  
Swallowing: Induce vomiting - tickle back of throat with a  
clean finger or give glass warm salty water or  
Syrup of Ipecac 15 mls.  
Splashing in Eyes: Flush with water for 15 mins., cover eye with  
eye pad.  
Spillage over person: Carefully remove protective clothing, wash skin  
with soap and water then put on clean clothes.  
**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT,  
SEE LOCAL MEDICAL OFFICER**  
**ENVIRONMENTAL  
LIMITATIONS:** Avoid indiscriminate use. Do not expose to high  
temperatures or sunlight. Do not contaminate  
ponds, waterways and drains when using Yield or  
with used containers. Do not spray on wet, warm  
soil surfaces or when wind velocity exceeds 16  
km/hr.  
**STORAGE:** In cool, dark, dry, locked store, away from  
reactive chemicals.  
**SPILLAGE:** Collect contaminated material and contact Health  
Surveyor for disposal method.  
**DISPOSAL OF CONTAINER:** Double rinse container with water and add mix to  
spray. Puncture or crush and dispose of by  
burying at local authorities approved site.  
**MANUFACTURER:** Nufarm



*Jordan*  
17.02.88

**CONSERVATION AND LAND MANAGEMENT DEPARTMENT OF W.A.**

**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980  
and the relevant technical instruction sheet)

**TRADE NAME:** GARLON 480  
**ACTIVE INGREDIENT:** 480 g/litre TRICLOPYR as the Butoxy Ethanol Ester  
**CLASSIFICATION:** Systemic Herbicide (Pesticide)  
**FORMULATION:** Emulsifiable Concentrate.  
**USE:** As per Herbicide Technical Instructions.  
**PROTECTIVE CLOTHING:**  
Mixing: PVC apron and gloves, long sleeved combination overalls, twin cartridge respirator with agricultural filter and unvented goggles.  
Application: Long sleeved overalls and unvented goggles. Optional: respirators and PVC gloves.  
**PERSONAL PRECAUTIONS:** Wash skin with soap and water immediately after use & before eating, drinking or smoking. Wash clothing regularly, or when known to be contaminated.  
**HAZARD TO HEALTH:** Stored in body - No  
Degree of toxicity: Swallowing - Moderate  
Skin absorption - Moderate  
Inhalation - Moderate  
**FIRST AID:**  
Swallowing: Induce vomiting - tickle back of throat with a clean finger or give glass warm salty water or Syrup of Ipecac 15 mls.  
Splashing in Eyes: Flush with water for 15 mins., cover eye with eye pad.  
Spillage over person: Carefully remove protective clothing, wash skin with soap and water then put on clean clothes.  
**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER**  
**ENVIRONMENTAL LIMITATIONS:** Avoid spray drift by restricting use to those times when wind speeds are low to nil. Do not burn off, cut or clear for six months after spraying. Do not spray near or allow drift onto vines, tomatoes, fruit, potatoes, vegetables, ornamentals, legumes, flowers, or shade trees. Do not allow this chemical to contaminate water used for irrigation, drinking and other domestic purposes.  
**STORAGE:** Keep container tightly closed in a locked chemicals store.  
**SPILLAGE:** Collect contaminated material and dispose of at the approved site by burial after treatment with soda ash or lime.  
**DISPOSAL OF CONTAINER:** Double rinse container with water and add mix to spray. Puncture or crush and dispose of by burying at local authorities approved site.  
**MANUFACTURER:** Dow Chemical  
Nufarm.



*Jordan*  
17-02-88

**CONSERVATION AND LAND MANAGEMENT DEPARTMENT OF W.A.**

**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980  
and the relevant technical instruction sheet)

**TRADE NAME:** GLEAN  
**ACTIVE INGREDIENT:** 750 g/kg chlorsulfuron  
**CLASSIFICATION:** Selective translocated herbicide.  
**FORMULATION:** Dry flowable powder.  
**USE:** As per Herbicide Technical Instructions.  
**PROTECTIVE CLOTHING:**  
Mixing: PVC gloves, long sleeved overalls, PVC apron, goggles, boots.  
Application: Washable hat, long sleeved overalls, PVC gloves, boots.  
**PERSONAL PRECAUTIONS:** Wash skin with soap and water immediately after use & before eating, drinking or smoking. Wash clothing regularly, or when known to be contaminated.  
**HAZARD TO HEALTH:** Stored in body - No  
Degree of toxicity: Swallowing - Low  
Skin absorption - Low  
Inhalation - Low  
**FIRST AID:**  
Swallowing: Induce vomiting - tickle back of throat with a clean finger or give glass warm salty water or Syrup of Ipecac 15 mls.  
Splashing in Eyes: Flush with water for 15 mins., cover eye with eye pad.  
Spillage over person: Carefully remove protective clothing, wash skin with soap and water then put on clean clothes.  
**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER**  
**ENVIRONMENTAL LIMITATIONS:** Persistent in soil particularly in high pH soils and in low rainfall areas. Some susceptible crops may be injured up to 2 years after treatment, mostly in legumes. Keep away from plants not to be killed.  
**STORAGE:** Locked chemical store.  
**SPILLAGE:** Collect contaminated material and dispose of at an approved site.  
**DISPOSAL OF CONTAINER:** Ensure entire contents have been used, rinse container and add to spray. Dispose of by burying at local authorities approved site.  
**MANUFACTURER:** Du Pont (Aust) Ltd.



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**CONSERVATION AND LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980  
and the relevant technical instruction sheet)

<b>TRADE NAME:</b>	FUSILADE
<b>ACTIVE INGREDIENT:</b>	Fluazifop P (212 g/litre)
<b>CLASSIFICATION:</b>	Selective post emergent herbicide (pesticide)
<b>FORMULATION:</b>	Liquid.
<b>USE:</b>	As per Herbicide Technical Instructions.
<b>PROTECTIVE CLOTHING:</b>	
Mixing:	PVC gloves, boots, PVC apron, long sleeved combination overalls, goggles, twin cartridge respirator with agricultural filter.
Application:	Washable hat, long sleeved overalls, PVC gloves, boots, respirator with agricultural filter.
<b>PERSONAL PRECAUTIONS:</b>	Wash skin with soap and water immediately after use & before eating, drinking or smoking. Wash clothing regularly, or when known to be contaminated.
<b>HAZARD TO HEALTH:</b>	Stored in body - No Degree of toxicity: Swallowing - Moderate Skin absorption -Low-(mild irritant) Inhalation - Low
<b>FIRST AID:</b>	
Swallowing:	Induce vomiting - tickle back of throat with a clean finger or give glass warm salty water or Syrup of Ipecac 15 mls.
Splashing in Eyes:	Flush with water for 15 mins., cover eye with eye pad.
Spillage over person:	Carefully remove protective clothing, wash skin with soap and water then put on clean clothes.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL LIMITATIONS:</b>	Do not contaminate waterways, ponds or drains when using this chemical or with used containers.
<b>STORAGE:</b>	In locked chemical store, Keep away from naked flame.
<b>SPILLAGE:</b>	Collect contaminated material and contact local Health Surveyor for disposal method.
<b>DISPOSAL OF CONTAINER:</b>	Double rinse container with water and add mix to spray. Puncture or crush and dispose of by burying at local authorities approved site.
<b>MANUFACTURER:</b>	I.C.I.



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**CONSERVATION AND LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980  
and the relevant technical instruction sheet)

**TRADE NAME:** LEXONE D.F. WEED KILLER  
**ACTIVE INGREDIENT:** Metribuzin (750 g/kg)  
**CLASSIFICATION:** Pre-emergent and early post emergent herbicide  
(pesticide)  
**FORMULATION:** Soluable granules.  
**USE:** As per Herbicide Technical Instructions.  
**PROTECTIVE CLOTHING:**  
Mixing: PVC gloves, boots, PVC apron, face shield, long  
sleeved combination overalls.  
Application: Washable hat, long sleeved overalls, PVC gloves,  
boots, respirator.  
**PERSONAL PRECAUTIONS:** Wash skin with soap and water immediately after  
use & before eating, drinking or smoking. Wash  
clothing regularly, or when known to be  
contaminated.  
**HAZARD TO HEALTH:** Stored in body - No  
Degree of toxicity: Swallowing - Low  
Skin absorption - Low  
Inhalation - Low  
**FIRST AID:**  
Swallowing: Induce vomiting - tickle back of throat with a  
clean finger or give a glass of warm salty water  
or Syrup of Ipecac (15 mls).  
Splashing in Eyes: Flush with water for 15 mins., cover eye with  
eye pad.  
Spillage over person: Carefully remove protective clothing, wash skin  
with soap and water then put on clean clothes.  
**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT,  
SEE LOCAL MEDICAL OFFICER**  
**ENVIRONMENTAL  
LIMITATIONS:** Do not contaminate waterways, ponds or drains  
when using this chemical, or with used  
containers.  
**STORAGE:** In cool, dry, locked chemical store. Do not  
allow container to leak. Do not store near  
foodstuffs etc.  
**SPILLAGE:** Sweep up and re-use. Dispose of any  
contaminated soil at the approved site.  
**DISPOSAL OF CONTAINER:** Ensure entire contents have been used, rinse  
container and add mix to spray. Dispose of  
empty container at local authorities approved  
site.  
**MANUFACTURER:** Du Pont.



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17.02.88

**CONSERVATION AND LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980  
and the relevant technical instruction sheet)

**TRADE NAME:** GOAL  
**ACTIVE INGREDIENT:** Oxyfluorfen (240 g/kg)  
**CLASSIFICATION:** Selective pre-emergent herbicide (pesticide)  
**FORMULATION:** Liquid.  
**USE:** As per Herbicide Technical Instructions.  
**PROTECTIVE CLOTHING:**  
Mixing: PVC gloves, boots, long sleeved combination overalls, PVC apron, hood with twin cartridge respirator goggles and twin cartridge respirator with agricultural filters.  
Application: PVC gloves, long sleeved overalls, boots, hood respirator and twin cartridge respirator with agricultural filters.  
**PERSONAL PRECAUTIONS:** Wash skin with soap and water immediately after use & before eating, drinking or smoking. Wash clothing regularly, or when known to be contaminated.  
**HAZARD TO HEALTH:** Stored in body - No  
Degree of toxicity: Swallowing - High  
Skin absorption - High  
Inhalation - High  
**FIRST AID:**  
Swallowing: Do not induce vomiting. Give a glass of water.  
Splashing in Eyes: Flush with water for 15 mins., cover eye with eye pad.  
Spillage over person: Carefully remove protective clothing, wash skin with soap and water then put on clean clothes.  
**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER**  
**ENVIRONMENTAL LIMITATIONS:** Do not contaminate waterways, ponds or drains when using this chemical, or with used containers. Do not spray when wind velocity exceeds 16 km/hr.  
**STORAGE:** In locked chemical store. Keep away from naked flame.  
**SPILLAGE:** Collect in containers, contact local health surveyor for disposal method.  
**DISPOSAL OF CONTAINER:** Double rinse empty container and add mix to spray. Puncture or crush and dispose of by burying at local authorities approved site.  
**MANUFACTURER:** Rohm & Haas.



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**CONSERVATION AND LAND MANAGEMENT DEPARTMENT OF W.A.**

**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980  
and the relevant technical instruction sheet)

**TRADE NAME:** GRAZON HERBICIDE  
**ACTIVE INGREDIENT:** 150 g/l triclopyr as the butoxyethanol ester, 50 g/l picloram present as the triisopropanolamine salt.  
**CLASSIFICATION:** Foliar spray herbicide.  
**FORMULATION:** Emulsifiable concentrate.  
**USE:** As per Herbicide Technical Instructions.  
**PROTECTIVE CLOTHING:**  
Mixing: PVC apron and gloves, long sleeved combination overalls, twin cartridge respirator with agricultural filter, unvented goggles.  
Application: Long sleeved combination overalls, safety spectacles or goggles. Respirator, PVC gloves.  
**PERSONAL PRECAUTIONS:** Wash skin with soap and water immediately after use  $\beta$  before eating, drinking or smoking. Wash clothing regularly, or when known to be contaminated.  
**HAZARD TO HEALTH:** Stored in body - No  
Degree of toxicity: Swallowing - Medium  
Skin absorption - Medium  
Inhalation - Medium  
**FIRST AID:**  
Swallowing: Induce vomiting - tickle back of throat with clean finger or give a glass of warm salty water or syrup of Ipecac (15 mls).  
Splashing in Eyes: Flush with water for 15 mins. then cover eye with eye pad.  
Spillage over person: Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.  
**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER**  
**ENVIRONMENTAL LIMITATIONS:** Do not apply close to or on area containing roots or desirable vegetation.  
Do not spray under extremely cold or dry conditions.  
Do not spray if rain is likely within 1 hour or if foliage is wet from rain or dew.  
Do not use jets, misting machines or aircraft other than for application to Blackberries, Apply only with a handheld wand.  
Do not allow this chemical to contaminate water used for irrigation, drinking or other domestic purposes.  
**STORAGE:** Locked chemical store.  
**SPILLAGE:** Collect contaminated material and dispose of at an approved site by burial after treatment with soda ash or lime.  
**DISPOSAL OF CONTAINER:** Double rinse container with water and add rinse to spray. Puncture or crush and dispose of by burying at local authorities approved site.  
**MANUFACTURER:** Dow.



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CLM 729

SHEET NO. A. #2.

**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**

**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)

**TRADE NAME:** Tordon Timber Control Herbicide

**ACTIVE INGREDIENT:** 50 g/l Picloram present as triiso - propanolamine salt. 100 g/l Triclopyr present as triethylamine salt.

**CLASSIFICATION:** Systemic Herbicide

**FORMULATION:** Emulsifiable concentrate.

**USE:** As per 'Herbicide Technical Instructions'.

**PROTECTIVE CLOTHING:**

Mixing: PVC apron gloves, long sleeved combination overalls, unvented goggles and twin cartridge respirator with agricultural filters.

Application: Long sleeved combination overalls. Safety spectacles or goggles. Optional: PVC gloves and twin cartridge respirator with agricultural filters.

Personal Precautions: Avoid contact with skin and eyes to prevent possible irritation. Wash skin with soap and water immediately after use and before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.

**HAZARD TO HEALTH:** Stored in body - No.  
Degree of toxicity:- Swallowing - Moderate  
Skin Absorption - Moderate  
Inhalation - Moderate

**FIRST AID:**

Swallowing: Induce vomiting - tickle back of throat with a clean finger or give a glass of warm salty water or syrup of Ipecac (15mls).

Splashing in eyes: Flush with water for 15 minutes and then cover with eye pad.

Spillage over person: Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER**

**ENVIRONMENTAL LIMITATIONS**

Do not apply close to or on area containing roots or desirable vegetation.

Do not spray under extremely cold or dry conditions.

Do not spray if rain is likely within 1 hour or if foliage is wet from rain or dew.

Do not use jets, misting machines or aircraft other than for application to Blackberries.

Do not allow this chemical to contaminate water used for irrigation, drinking or other domestic purposes.

Storage: Locked chemical store.

Spillage: Collect contaminated material and dispose of at an approved site by burial after treatment with soda ash or lime.

Disposal of Containers: Double rinse container with water and add rinse to spray. Puncture or crush and dispose of by burying at local authorities.

Manufacturer: Dow





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19.10.

CLM 729  
Sheet No. A43

DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT  
INSTRUCTIONS FOR SAFE USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980  
and the relevant technical instruction sheet)

TRADE NAME: BRUSH OFF  
ACTIVE INGREDIENT: 600 g/kg metsulfuron methyl, 400 g/kg  
inerts  
CLASSIFICATION: Herbicide  
FORMULATION: Granular powder  
USE: As per Herbicide Technical Instructions  
PROTECTIVE CLOTHING:  
Mixing: Goggles, overalls, gloves, respirator.  
Product requires constant agitation in  
solution. Always use a surfactant/wetting  
agent at a rate of 0.1% (active  
constituent) of final spray volume.  
Application: Gloves, overalls, optional goggles  
PERSONAL PRECAUTIONS: Avoid contact with skin & eyes. Do not  
inhale dust or spray mist. After use and  
before eating, drinking or smoking wash  
hands, arms and face thoroughly with soap  
and water.  
HAZARD TO HEALTH: Stored in body - No  
Degree of toxicity:  
Swallowing - Low  
Skin Absorption - Low  
Inhalation - Low  
FIRST AID:  
Swallowing: Seek Medical Attention  
Splashing in eyes: Flush eyes with plenty of water  
Spillage over person: Remove contaminated clothing and flush  
skin with plenty of water.  
ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES OR GROSS SKIN  
CONTACT, SEE LOCAL MEDICAL OFFICER  
ENVIRONMENTAL  
LIMITATIONS: Keep out of lakes, streams or ponds. Do  
not contaminate water by cleaning of  
equipment or disposal of wastes. Do not  
apply, drain or flush equipment on or  
near desirable trees or other plants or  
on areas where their roots may extend.  
If product is burning, allow to burn out  
if possible. Water may increase the  
contamination hazard.  
STORAGE: Store in cool, dry, locked store in  
original container. Keep away from heat  
and naked flame.  
SPILLAGE: Clean up promptly by scoop or vacuum.  
DO NOT flush with water. If spill area  
is on ground near trees or plants for  
retention remove top 5cm of soil after  
initial cleanup. Activated charcoal will  
neutralize chemical.  
DISPOSAL OF CONTAINER: Double rinse, puncture or crush & dispose  
of container in approved Local Authority  
site  
MANUFACTURER: DU PONT (AUSTRALIA) LTD

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CLM 729  
Sheet No. A44

DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT  
INSTRUCTIONS FOR SAFE USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980  
and the relevant technical instruction sheet)

TRADE NAME: OUST  
ACTIVE INGREDIENT: Sulfometuron Methyl 75%, Inerts 25%  
CLASSIFICATION: Herbicide  
FORMULATION: Dry flowable powder  
USE: As per Herbicide Instruction Manual.  
(Note OUST is a residual herbicide)

PROTECTIVE CLOTHING:  
Mixing: PVC apron, gloves and boots, long sleeved  
combination overalls, goggles and twin  
cartridge respirators with agricultural  
filters.  
Application: Long sleeved combination overalls, PVC  
gloves and boots and twin cartridge  
respirators with agricultural filter.

PERSONAL PRECAUTIONS: Wash skin with soap & water immediately  
after use & before eating, drinking or  
smoking. Wash clothing regularly, or  
when know to be contaminated.

HAZARD TO HEALTH: Stored in body - No  
Degree in toxicity:  
Swallowing - Low  
Skin Absorption - Moderate  
Inhalation - Moderate

FIRST AID:  
Swallowing: Induce vomiting immediately by giving two  
glasses of water and sticking finger down  
the throat.  
Splashing in eyes: Flush with plenty of water for a minimum  
of 15 minutes.  
Spillage over person: Flush skin with plenty of water. Remove  
contaminated protective clothing.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES OR GROSS SKIN  
CONTACT, SEE LOCAL MEDICAL PRACTITIONER

ENVIRONMENTAL  
LIMITATIONS: Residual life in soil of 3-9 months.  
Drift and washing of Oust into  
Agricultural Cropland MUST be avoided.  
Keep out of lakes, streams or ponds.  
Do not apply, drain or flush equipment on  
or near desirable trees or other plants  
or on areas where their roots may extend.  
Do not contaminate water, food or feed by  
storage or disposal.

STORAGE: Cool, dry, locked store in original  
container. Keep container closed when  
not in use.

SPILLAGE: Clean up by scoop or vacuum. DO NOT flush  
with water. If spill is near trees or  
other valuable plants, remove top 5cm of  
soil after initial cleanup. Neutralise  
with activated charcoal.

DISPOSAL OF CONTAINER: Double rinse container & crush. Dispose  
of at approved local authorities site.

MANUFACTURER: DU PONT (AUSTRALIA) LTD



B. FUNGICIDES

FUNGICIDES

Benlate Fungicide Wettable Powder (Pesticide)	B1
<del>Capta n 5 Fungicide (Pesticide)</del> <i>discontinued</i>	<del>B2</del>
Cosan Wettable Sulphur Fungicide Spray (Pesticide)	B3
Cuprovit Fungicide Spray (Pesticide)	B4
Ridomil 25 WP Systemic Fungicide (Pesticide)	B5
Rovral Fungicide (Pesticide)	B6
Sodium Hypochlorite (Pesticide)	B7
Thiram 80 Fungicide (Pesticide)	B8
Calcium Hypochlorite Fungicide	B9
Fongarid	B10
Previcur	B11
Bravo 500 Flowable	B12
Baycor 300	B13
Bavistin	B14
Tilt	B15
Ronilan Fungicide	B16
Koppers NP-1 Sapstain control Chemical	B17

FORESTS DEPARTMENT OF W.A.INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

**TRADE NAME:** BENLATE Fungicide Wettable Powder  
**ACTIVE INGREDIENT:** 500 g/Kg benomyl  
**CLASSIFICATION:** Fungicide (pesticide)  
**FORMULATION:** Wettable powder  
**USE:** Spray in nurseries for Botrytis  
**MIXING:** 500 g Benlate to the hectare in sufficient water to cover area.  
**PROTECTIVE CLOTHING:**  
     Mixing PVC gloves, long sleeved combination overalls.  
     Application Long sleeved combination overalls.  
     Personal precautions Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated. before re-use.  
**Hazard to health** Stored in body - No  
     Degree of toxicity - Swallowing - Low  
     Skin absorption - Low  
     Inhalation - Low  
**FIRST AID:**  
     Swallowing Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.  
     Splashing in eyes Flush with water for 15 mins., cover eye with eye pad.  
     Spillage over person Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.  
**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER**  
**ENVIRONMENTAL** Keep livestock away from sprayed areas for at least 2 weeks. Do not contaminate dams, streams waterways or drains. Avoid indiscriminate use. Treated seeds must not be used for human or animal consumption.  
**STORAGE:** In locked chemical store. Store in original container, never allow to become wet.  
**SPILLAGE:** Burial after treatment with soda ash or lime.  
**DISPOSAL OF CONTAINER:** Rinse empty container with water and add rinse water to spray. Empty container then to local authority tip.  
**MANUFACTURER:** Dupont (all hardware and garden stores)  
**DISTRIBUTOR**  
**USED IN DIVISION** 1 2 ③ 4 5 ⑥ 7 8  
**NUMBER:** ⑨ 10 11 12 ⑬ 14 ⑮ 16



## FORESTS DEPARTMENT OF W.A.

## INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with Chemical Users Manual, 1980)

TRADE NAME: COSAN Wettable Sulphur Fungicide Spray

ACTIVE INGREDIENT: 800 g/kg Sulphur

CLASSIFICATION: Trace element, fungicide and soil acidifier (pesticide)

FORMULATION: Wettable powder of dry mix.

USE: Granular spot and broadcast application to trees.  
As fungicide if mixed in water.

MIXING: As per instructions on label.

PROTECTIVE CLOTHING:

Mixing 3 M mask No. 8713

Application Not applicable

Personal precautions Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking regularly or when known to be contaminated. Wash clothing before re-use.

Hazard to health Stored in body - No

Degree of toxicity - Swallowing - Low

Skin absorption - Low

Inhalation - Low

FIRST AID:

Swallowing Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.

Splashing in eyes Flush with water for 15 mins., cover eye with eye pad.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL Keep livestock away from treated areas for at least 2 weeks. Treated seed must not be used for human or animal consumption. Avoid indiscriminate use. Do not contaminate waterways, streams, dams, domestic or irrigation supplies.

STORAGE: Locked chemical store.  
Do not store near oils or oil based materials.

SPILLAGE: Bury

DISPOSAL OF CONTAINER: To local authority tip after crushing.

MANUFACTURER: C.S.B.P. General Hardware and Garden Stores.

DISTRIBUTOR

USED IN DIVISION 1 2 ③ 4 5 ⑥ 7 8

NUMBER: 9 10 11 12 13 14 15 16



## FORESTS DEPARTMENT OF W.A.

INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME: CUPROVIT Fungicide Spray

ACTIVE INGREDIENT: 500 g/kg copper as copper oxychloride

CLASSIFICATION: Fungicide (pesticide)

FORMULATION: Wettable powder.

USE: Foliar spray.

MIXING: Use as per instructions on label.

PROTECTIVE CLOTHING:

Mixing PVC gloves and long sleeved combination overalls.

Application As above

Personal precautions Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated. ~~before re-use.~~

Hazard to health Do not work in or breath spray mist.

Stored in body - No

Degree of toxicity - Swallowing - Low

Skin absorption - Low

Inhalation - Low

FIRST AID:

Swallowing Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.

Splashing in eyes Flush with water for 15 mins., cover eye with eye pad.

Spillage over person Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL Treated seed must not be used for human or animal consumption. Keep livestock away from sprayed areas for at least 2 weeks. Read label instructions. Harmful to fish and livestock. Do not spray near rivers, streams, dams, waterways or drains.

STORAGE: Locked chemical store. Do not allow to come in contact with metal.

SPILLAGE: Burial

DISPOSAL OF CONTAINER: After rinsing, dispose of container at local authority tip.

MANUFACTURER:  
DISTRIBUTOR Government Stores.

USED IN DIVISION 1 2 3 4 5 6 7 8

NUMBER: 9 10 11 12 13 14 15 16





FORESTS DEPARTMENT OF W.A.  
INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME:	RIDOMIL 25 WP Systemic Fungicide
ACTIVE INGREDIENT:	250 g/kg methyl di-n-(2, 3-dimethylphenyl)-H (2'-methoxyacetyl)-alaninate
CLASSIFICATION:	Systemic Fungicide (pesticide)
FORMULATION:	Wettable Powder
USE:	Nursery trials against damping off fungi.
MIXING:	Boom spray 4 - 8 kg/ha in enough water to cover area. Mix to a thick cream before adding to tank of water.
PROTECTIVE CLOTHING:	
Mixing	PVC gloves and long sleeved combination overalls.
Application	As above
Personal precautions	Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking regularly or when known to be contaminated. Wash clothing before re-use.
Hazard to health	Stored in body - No Degree of toxicity - Swallowing - Low Skin absorption - Low Inhalation - Low
FIRST AID:	
Swallowing	Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.
Splashing in eyes	Flush with water for 15 mins., cover eye with eye pad.
Spillage over person	Carefully remove protective clothing wash skin with soap and water, then put on clean clothes.
ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.	
ENVIRONMENTAL	Do not contaminate dams, streams, domestic or irrigation water supplies. Treated seed must not be used for human or animal consumption. Keep livestock away from sprayed areas for at least 2 weeks. Avoid indiscriminate use.
STORAGE:	Store in cool, dry chemical store, in original container. Never allow to become wet.
SPILLAGE:	Bury after treatment with soda ash or lime.
DISPOSAL OF CONTAINER:	Crush and dispose of at local authority tip.
MANUFACTURER:	Ciba-Geigy (Australia) Ltd.
DISTRIBUTOR	
USED IN DIVISION	1 2 3 4 5 ⑥ 7 8
NUMBER:	⑨ 10 11 12 13 14 ⑮ 16



FORESTS DEPARTMENT OF W.A.INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

**TRADE NAME:** ROVRAL Fungicide  
**ACTIVE INGREDIENT:** 500 g/kg-3-(3,5-dichlorophenyl)-1-isopropyl carbamoyl hydantoin.  
**CLASSIFICATION:** Fungicide (pesticide)  
**FORMULATION:** Wettable powder.  
**USE:** Fungi control in seedbeds, pots, etc., (Manjimup)  
**MIXING:** 100 g Rovral to 100 litres water.  
**PROTECTIVE CLOTHING:**  
     Mixing PVC gloves and long sleeved combination overalls  
     Application As above  
**Personal precautions** Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking regularly or when known to be contaminated. Wash clothing before re-use.  
**Hazard to health** Stored in body - No  
     Degree of toxicity - Swallowing - Low  
     Skin absorption - Low  
     Inhalation - Low

**FIRST AID:**  
**Swallowing** Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.  
**Splashing in eyes** Flush with water for 15 mins., cover eye with eye pad.  
**Spillage over person** Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.**

**ENVIRONMENTAL LIMITATIONS:** Do not contaminate dams, streams, domestic or irrigation water supplies. Treated seed must not be use for human or animal consumption. Keep livestock away from sprayed areas for at least 2 weeks. Avoid indiscriminate use.

**STORAGE:** Cool dry locked store. Store in original container. Never allow to become wet.

**SPILLAGE:** Burial after treatment with soda ash or lime.

**DISPOSAL OF CONTAINER:** Crush and dispose of container at local authority tip.

**MANUFACTURER:** May and Baker  
**DISTRIBUTOR**

**USED IN DIVISION** 1 2 ③ 4 5 ⑥ ⑦ 8  
**NUMBER:** 9 10 11 12 13 14 15 16





*Florka*  
17 Oct 88

CLM 729

Sheet No.     B7    

**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**

**INSTRUCTION FOR USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)

<b>TRADE NAME:</b>	Sodium Hypochlorite.
<b>ACTIVE INGREDIENT:</b>	125 gm/litre of available chlorine.
<b>CLASSIFICATION:</b>	Fungicide (pesticide).
<b>FORMULATION:</b>	Liquid solution.
<b>USE:</b>	Control dieback - used in fire tankers.
<b>Mixing:</b>	a) Heavy duties: add 2 litres to every 2,700 - 3,000 litres. b) Standard gang unit: add 500 ml to every 800 - 900 litres. c) Light gang unit: add 250 mls to every 400 - 500 litres.
	<i>*Special Note:</i> Life of mix: Sodium Hypochlorite erodes quite rapidly when mixed with water and has only a useful life of 24 hours. It is therefore essential that the solution be added just prior to use when possible. Where a tanker mix is carried over for use on next day or later, a new dosage must be added.
<b>PROTECTIVE CLOTHING:</b>	
<b>Mixing:</b>	PVC gloves, long sleeved combination overalls and eye goggles.
<b>Application:</b>	Not needed.
<b>PERSONAL PRECAUTIONS:</b>	Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.
<b>HAZARD TO HEALTH:</b>	Stored in body - No. Degree of toxicity - Swallowing - High. Skin absorption - Strong irritant. Inhalation - High.
<b>FIRST AID:</b>	
<b>Swallowing:</b>	Drink water or milk - do not induce vomiting
<b>Splashing in Eyes:</b>	Flush with water for 15 mins., cover eye with eye pad.
<b>Spillage over person:</b>	Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.
<b>Inhalation:</b>	Remove from contamination and resuscitation.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL:</b>	Toxic to fish. Avoid indiscriminate use. Do not contaminate.
<b>LIMITATIONS:</b>	Waterways, streams, ponds, dams, domestic or irrigation supplies.
<b>STORAGE:</b>	Cool, dry, locked store. Keep in airtight container and separate from reactive substances.
<b>SPILLAGE:</b>	Treat with soda ash and cover with soil.
<b>DISPOSAL OF CONTAINER:</b>	Flush container with water. Return container to manufacturer or dispose of at local authority tip.
<b>MANUFACTURER/ DISTRIBUTOR:</b>	Rampire Laboratories - Welshpool.

FORESTS DEPARTMENT OF W.A.  
INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME: THIRAM 80 Fungicide

ACTIVE INGREDIENT: 800 g/kg thiram

CLASSIFICATION: Fungicide (pesticide)

FORMULATION: Wettable powder

USE: Control of damping off fungi in nursery and seed store as a spray.

MIXING: 150 g to 100 litres of water.  
Apply at 1.75 kg/ha.

PROTECTIVE CLOTHING:

Mixing PVC gloves and long sleeved combination overalls.

Application As above. If treated seed being sown, twin cartridge respirator with chemical filter should be worn.

Personal precautions Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated. ~~before re-use.~~

Hazard to health Stored in body - No  
Degree of toxicity - Swallowing - Low  
Skin absorption - Low  
Inhalation - Medium

FIRST AID:

Swallowing Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls. Alcohol must NOT be given.

Splashing in eyes Flush with water for 15 mins., cover eye with eye pad.

Spillage over person Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL Avoid indiscriminate use. Treated seed must not be used

LIMITATIONS: for human or animal consumption. Keep livestock away from sprayed area for 2 weeks. Do not contaminate dams, streams, domestic or irrigation water supplies.

STORAGE: Cool, dry, locked store, in original container.  
Do not allow product to become wet.

SPILLAGE: Bury with addition of soda ash or lime.

DISPOSAL OF CONTAINER: Flush, add rinse to spray. Crush container and dispose of at local authority tip.

MANUFACTURER: Roche Maag Ltd.

DISTRIBUTOR

USED IN DIVISION 1 2 3 4 5 ⑥ 7 8

NUMBER: ⑨ 10 11 12 13 14 15 16



FORESTS DEPARTMENT OF W.A.  
INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME: CALCIUM HYPOCHLORITE  
ACTIVE INGREDIENT: 650 g/kg available chlorine (as calcium hypochlorite)  
CLASSIFICATION: Fungicide  
FORMULATION: Granules  
USE: Controls algae and bacterial growth in drinking water.  
MIXING: 7gms/m<sup>3</sup> of water (initial), 5gms/m<sup>3</sup> maintain chlorine, Residual in water of 1.0 to 0.6 ppm.

PROTECTIVE CLOTHING:

Mixing Use eye protection  
Application As above  
Personal precautions Avoid contact with skin, eyes, clothing, and avoid breathing dust and vapour.  
Hazard to health Dangerous if swallowed.

FIRST AID:

Swallowing Seek medical attention (do not induce vomiting, and give plenty of water or milk)  
Splashing in eyes Flush with copious quantity of clean water  
Spillage over person Same as above.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL LIMITATIONS:

Do not mix with other chemicals.  
Do not mix or allow contact with foreign materials such as soap products, detergent products, paint, solvents, acid, vinegar, garbage, beverages, oils, petrol and other combustible materials.

STORAGE:

Keep in a cool dry place in a locked store.  
This product is a fire and explosive hazard. In case of fire drench with water.

SPILLAGE:

Dilute with water.

DISPOSAL OF CONTAINER: Reusable for other storage.

MANUFACTURER

DISTRIBUTOR:

I.C.I. (Australia)

USED IN DIVISION NUMBER:

① 2 3 4 5 6 7 8  
9 10 11 12 13 14 15 16



## DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT

## INSTRUCTIONS FOR USE OF CHEMICALS

(TO BE USED IN CONJUNCTION WITH THE CHEMICAL USERS MANUAL, 1980)

ENVIRONMENTAL HEALTH, SAFETY  
& WELFARE 14 FEB 1980

TRADE NAME: FONGARID  
 ACTIVE INGREDIENT: 250g/kg Furalaxyl  
 CLASSIFICATION: Systemic Fungicide  
 FORMULATION: Wettable Powder  
 USE: Control of Pythium & Phytophthora  
 MIXING: 1g/l water at 2-4 litres/sq.m.

PROTECTIVE CLOTHING

*Mixing:* PVC gloves, long sleeved combination overalls. **BOOTS, PVC APRON, FACESHIELD**

*Application:* As above. **RESPIRATOR**

*Personal Precautions:* Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.

*Hazard to health:* Degree of toxicity - Swallowing - **SLIGHTLY TOXIC**  
 Skin absorption - " "  
 Inhalation - " "

FIRST AID

*Swallowing:* Induce vomiting.

*Spillage over person:* Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

*Splashing in eyes:* Flush with water for 15 mins. cover eye with eye pad.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL LIMITATIONS: Do not contaminate dams, streams, domestic or irrigation water supplies.

STORAGE: Store in cool, dry chemical store, in original container. Do not allow to become wet.

SPILLAGE:

DISPOSAL OF CONTAINER: Bury after treatment with soda ash or lime. Crush and dispose of at local authority tip.

MANUFACTURER DISTRIBUTOR: Ciba Geigy (Australia) Ltd.

DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT  
INSTRUCTIONS FOR USE OF CHEMICALS

(TO BE USED IN CONJUNCTION WITH THE CHEMICAL USERS MANUAL, 1980)

TRADE NAME: PREVICUR

ACTIVE INGREDIENT: Propamocarb (722g/l)

CLASSIFICATION: Systemic Fungicide

FORMULATION: Liquid

USE: Pythium & Phytophthora control either as seed dressing or soil drench

MIXING: Soil drench (25 ml Previcur N/10L water. 2-4L Dilution to sq.m.).  
Seed dressing - apply Previcur N undiluted and mix thoroughly by shaking after drying dust with thiram.

PROTECTIVE CLOTHING

*Mixing:* PVC gloves, long sleeved combination overalls. **BOOTS; FACE SHIELD, APRON.**

*Application:* As above.

*Personal Precautions:* Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.

*Hazard to health:* Degree of toxicity - Swallowing - **SLIGHTLY TOXIC**  
Skin absorption - " "  
Inhalation - " "

FIRST AID

*Swallowing:* Induce vomiting.

*Spillage over person:* Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

*Splashing in eyes:* Flush with water for 15 mins. cover eye with eye pad.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL LIMITATIONS: Do not contaminate dams, streams, domestic or irrigation water supplies. Treated seed must not be used for human or animal consumption.

STORAGE: Store in cool, dry chemical store, in original container. Do not allow to become wet.

SPILLAGE:

DISPOSAL OF CONTAINER: Bury after treatment with soda ash or lime. Crush and dispose of at local authority tip.

MANUFACTURER DISTRIBUTOR: Schering Robert Linton & Co. Pty. Ltd.

DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT

INSTRUCTIONS FOR USE OF CHEMICALS

(TO BE USED IN CONJUNCTION WITH THE CHEMICAL USERS MANUAL, 1980)

AGRICULTURAL CHEMICALS SECTION  
14 FEB 1980

TRADE NAME: BRAVO 500 Flowable Fungicide  
ACTIVE INGREDIENT: Chlorothalonil 500 g/l  
CLASSIFICATION: Contact Fungicide  
FORMULATION: Flowable  
USE: Broad Spectrum Fungicide.  
MIXING: 230 ml/100L water.

PROTECTIVE CLOTHING

Mixing: PVC gloves, long sleeved combination overalls., *BOOTS, PVC APRON, FACESHIELD*  
Application: As above. *RESPIRATOR*

Personal Precautions: Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.

Hazard to health: Bravo has extremely low oral and dermal toxicity to man, animals and birds.  
Degree of toxicity - Swallowing - very low  
Skin absorption - very low  
Inhalation - very low

FIRST AID

Swallowing: Induce vomiting.  
Spillage over person: Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.  
Splashing in eyes: Flush with water for 15 mins. cover eye with eye pad.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL LIMITATIONS: Do not contaminate dams, streams, domestic or irrigation water supplies. Very toxic to fish.

STORAGE: Store in cool, dry chemical store, in original container. Do not allow to become wet.

SPILLAGE:

DISPOSAL OF CONTAINER: Bury after treatment with soda ash or lime. Crush and dispose of at local authority tip.

MANUFACTURER DISTRIBUTOR: AG Chem Pty. Ltd.



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DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT

INSTRUCTIONS FOR USE OF CHEMICALS

(TO BE USED IN CONJUNCTION WITH THE CHEMICAL USERS MANUAL, 1980)

COMPASSIONATE CARE, INC.  
& WILSON  
12-5-81

TRADE NAME: BAYCOR 300  
ACTIVE INGREDIENT: Triazole  
CLASSIFICATION: Contact Fungicide  
FORMULATION: Liquid  
USE: Rust, Powdery Mildew, Blackspot  
MIXING: Rust  
Blackspot 170 ml/100L      Powdery mildew 130 ml/100L

PROTECTIVE CLOTHING

Mixing: PVC gloves, long sleeved combination overalls. **BOOTS, FACE SHIELD, APRON**

Application: As above.

Personal Precautions: Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.

Hazard to health: Degree of toxicity - Swallowing - **LOW TOXICITY**  
Skin absorption - " "  
Inhalation - " "

FIRST AID

Swallowing: Induce vomiting.

Spillage over person: Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

Splashing in eyes: Flush with water for 15 mins. cover eye with eye pad.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL LIMITATIONS: Do not contaminate dams, streams, domestic or irrigation water supplies.

STORAGE: Store in cool, dry chemical store, in original container. Do not allow to become wet.

SPILLAGE:

DISPOSAL OF CONTAINER: Bury after treatment with soda ash or lime. Crush and dispose of at local authority tip.

MANUFACTURER DISTRIBUTOR: Bayer/Robert Linton & Co.

DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT  
INSTRUCTIONS FOR USE OF CHEMICALS

(TO BE USED IN CONJUNCTION WITH THE CHEMICAL USERS MANUAL, 1980)

TRADE NAME: BAVISTIN

ACTIVE INGREDIENT: 500g/kg Carbendazim

CLASSIFICATION: Systemic Fungicide

FORMULATION: Wettable Powder

USE: Powdery Mildew, Blackspot

MIXING: 40-50 gm/100L water

14 FEB 1986

PROTECTIVE CLOTHING

*Mixing:* PVC gloves, long sleeved combination overalls. **BOOTS, FACESHIELD, APRON**

*Application:* As above. / **RESPIRATOR**

*Personal Precautions:* Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.

*Hazard to health:* Degree of toxicity - Swallowing - **SLIGHTLY TOXIC**  
Skin absorption - " "  
Inhalation - " "

FIRST AID

*Swallowing:* Induce vomiting.

*Spillage over person:* Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

*Splashing in eyes:* Flush with water for 15 mins. cover eye with eye pad.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL LIMITATIONS: Do not contaminate dams, streams, domestic or irrigation water supplies.

STORAGE: Store in cool, dry chemical store, in original container. Do not allow to become wet.

SPILLAGE:

DISPOSAL OF CONTAINER: Bury after treatment with soda ash or lime. Crush and dispose of at local authority tip.

MANUFACTURER DISTRIBUTOR: Basf. Robert Linton Pty. Ltd.

DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT  
INSTRUCTIONS FOR USE OF CHEMICALS

(TO BE USED IN CONJUNCTION WITH THE CHEMICAL USERS MANUAL, 1980)

TRADE NAME: TILT

ACTIVE INGREDIENT: 250g/L 1-[2-(2,4-Dichlorophenyl)-4-Propyl-1,3-Dioxolan-2-yl-Methyl]-H-1,2,4-Triazole  
**TROPICONAZOLE**

CLASSIFICATION: Systemic Fungicide

FORMULATION: Liquid

USE: Powdery Mildew also Broad Spectrum

MIXING: 10 ml/100 litres water

PROTECTIVE CLOTHING

*Mixing:* PVC gloves, long sleeved combination overalls, goggles, respirators. **BOOTS, APRON**

*Application:* As above.

*Personal Precautions:* Avoid contact with eyes and skin. Do not inhale spray mist. If product on skin immediately wash area with soap and water also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.

*Hazard to health:* Degree of toxicity - Swallowing - **SLIGHT-MODERATE TOXIC**  
Skin absorption - " " "  
Inhalation - " " "

FIRST AID

*Swallowing:* Do Not induce vomiting. Contact a doctor or poisons information centre (telephone 381-0222).

*Spillage over person:* Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

*Splashing in eyes:* Flush with water for 15 mins. cover eye with eye pad.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL LIMITATIONS: Do not contaminate dams, streams, domestic or irrigation water supplies.

STORAGE: Store in cool, dry chemical store, in original container. Do not allow to become wet.

SPILLAGE:

DISPOSAL OF CONTAINER: Bury after treatment with soda ash or lime. Crush and dispose of at local authority tip.

MANUFACTURER DISTRIBUTOR: Ciba-Geigy. Robert Linton Pty. Ltd. Wesfarmers Etc.



*F. J. Nolan*  
14.10

DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT  
INSTRUCTIONS FOR SAFE USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME: RONILAN FUNGICIDE  
ACTIVE INGREDIENT: 50% vinclozolin  
CLASSIFICATION: Fungicide  
FORMULATION: Wettable powder  
USE: Control of Botrytis Fungi  
Mixing: Rate 100g/100 litres water  
PROTECTIVE CLOTHING:  
Mixing: Gloves, long sleeve combination overalls, goggles, PVC boots and apron.  
Respirator - twin cartridge with agricultural filters.  
Application: Gloves, long sleeve combination overalls and PVC boots.  
PERSONAL PRECAUTIONS: Avoid contact with skin & eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.  
HAZARD TO HEALTH: Stored in body - No  
Degree of toxicity:  
Swallowing - Low  
Skin Absorption - Low  
Inhalation - Low  
FIRST AID:  
Swallowing: Seek medical advice.  
Splashing in eyes: Flush with water for 15 minutes. Cover eye with sterile pad.  
Spillage over person: Flush skin with plenty of water for 15 minutes while removing contaminated clothing.  
ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL PRACTITIONER  
ENVIRONMENTAL LIMITATIONS: Slightly toxic to fish. Do not contaminate dams, streams, domestic or irrigation water supplies. Birds and bees not affected.  
FIRE: CO<sub>2</sub>, Dry Chemical Foam or water may be used to extinguish fires including this product. Slow burning, harmful fumes may be produced.  
STORAGE: Cool, dry, locked store in original container.  
SPILLAGE: Sweep up, place sweeping in marked container, thoroughly wash area of spillage.  
DISPOSAL OF CONTAINER: Double rinse, puncture or crush, dispose of through local authority.  
MANUFACTURER: BASF AUSTRALIA LTD



*Jordan*  
5.5.89

CLM 729

Sheet no. B17

DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT  
INSTRUCTIONS FOR SAFE USE OF CHEMICALS

TRADE NAME: KOPPERS NP-1 SAPSTAIN CONTROL CHEMICAL  
ACTIVE INGREDIENT: 630 g/l Didecyldimethyl Ammonium Chloride  
71g/l 3-Iodo-2-propynylbutyl Carbonnate  
257g/l Inert ingredients (Solvents)

CLASSIFICATION: Fungicide  
FORMULATION: Solvent based liquid concentrate  
USE: Temporary protection for timber during seasoning storage & transport.  
RESTRICTED USE - FOR THE HARVEY WOOD UTILISATION RESEARCH CENTRE ONLY.

Mixing: Trials will be done using rates as per attached sheet.

PROTECTIVE CLOTHING:  
Mixing: Combination overalls, PVC or rubber apron, elbow length PVC gloves, full face shield & impervious footwear.  
Note: Chemical respirator required when working in confined space or poor ventilation.

Application: PVC gloves & eye protection  
Note: Once treated timber has dried there is no need for any special handling precautions.

PERSONAL PRECAUTIONS: Wash skin with soap & water immediately after use & before eating, drinking or smoking.  
Wash clothing regularly or when known to be contaminated.

HAZARD TO HEALTH: Stored in Body -  
Degree of Toxicity:  
Swallowing - Low  
Skin absorption - Low  
Inhalation - Low  
Note: Do NOT open containers or dispense contents in enclosed spaces.

FIRST AID:  
Swallowing: Do NOT induce vomiting, give mild or activated charcoal in water.  
Splashing in eyes: Hold eye open, flush with copious amounts of water for at least 15 minutes.  
Spillage over person: Remove contaminated clothing & wash skin with soap & water, then put on clean clothes.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL PRACTITIONER

ENVIRONMENTAL LIMITATIONS: Do not contaminate lakes, ponds, streams or sewage lines with the product, used containers or washings from equipment.

FIRE: Use dry chemical, foam, CO2 or water fog spray. Avoid spreading fire with water jet. Closed liquid containers may build up pressure due to heat, water may be used to cool containers. Wear full protective clothing including self-contained breathing apparatus for fire fighting.

STORAGE: Caution - Flammable liquid. Do not use, pour or spill near heat or open flame. Store in closed properly labelled containers in a cool place. If static generating conditions exist provide necessary grounding or bonding.

SPILLAGE: Remove sources of ignition. Confine the area of the spill with absorbent materials such as sawdust, sand. Remove contaminated materials to appropriate containers for proper disposal. Wash spill residues into solution tanks if possible, using plenty of water. Avoid breathing vapours.

DISPOSAL OF CONTAINER: Double rinse container and add rinse to solution. Puncture or crush & dispose of by burying at local authorities approved site.

TRANSPORT: As for Storage.  
DANGEROUS GOODS CLASS 6.1 UN No 2991

MANUFACTURER: KOPPERS AUSTRALIA PTY LTD

Att

RECOMMENDED DILUTIONS

<u>Recommended Dilutions</u>	<u>Dip Time</u>	<u>Condition and Type of Products to be Treated</u>	<u>Storage Condition</u>
15:1 to 50:1	5 minutes	Green, mouldy logs with some remaining bark	Hot & humid Closed stacking
50:1 to 125:1	5 minutes	Partially dried logs	Warm & dry Closed stacking
75:1 to 200:1	5 seconds	Green softwood sawn timber	Hot & humid Open stacking
100:1 to 400:1	5 seconds	Green hardwood sawn timber	Hot & humid Open stacking
25:1 to 75:1	5 seconds	Green veneer	Closed stacking

C. I N S E C T I C I D E S



INSECTICIDES

Baytex 50 Fly and Mosquito Spray	C2
Dipterex SP 80 Insecticide Spray	C5
Folidol M50 BL Insecticide Spray	C6
Gusathion 50 Insecticide Spray	C7
Metasystox Systemic Insecticide	C9
Malathion Insecticide	C10
Rogor Systemic Insecticide	C12
White Spray Oil Mineral Oil	C13
Thimet Systemic Insecticide	C14
Azodrin 400	C15
Nitofol	C16
Hortico Ant Killer	C17
Alfacron 50	C18
Supracide 400 EC	C19
Dursban 480	C20
Fenitrothion 500	C21
Bugmaster 80	C22
Malathion (97%) ULV Concentrate	C23



FORESTS DEPARTMENT OF W.A.INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME: DIPTEREX SP 80 Insecticide Spray

ACTIVE INGREDIENT: 800 g/kg trichlorfon

CLASSIFICATION: Insecticide (pesticide)

FORMULATION: Soluble powder

USE: Control of caterpillars, flies, grasshoppers etc.

MIXING: 0.85 kg/ha in water as an overall spray.

PROTECTIVE CLOTHING:

Mixing PVC gloves, long sleeved combination overalls and twin cartridge respirator with agricultural filter.

Application As above.

Personal precautions Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated. ~~before re-use.~~

Hazard to health Stored in body - No - cumulative effect.

Degree of toxicity - Swallowing - Medium

Skin absorption - Low

Inhalation - Low

FIRST AID:

Swallowing Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.

Splashing in eyes Flush with water for 15 mins., cover eye with eye pad.

Spillage over person Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER. O.I.C. TO NOTIFY SAFETY BRANCH, HEAD OFFICE AND DEPARTMENT OF HEALTH (09) 325 7911

ENVIRONMENTAL Toxic to bees. Do not allow stock to graze in sprayed areas for 2-3 days.

LIMITATIONS:

STORAGE: In cool, dry, locked store.

SPILLAGE: Cover with slaked lime or soda ash and burn.

DISPOSAL OF CONTAINER: Rinse thoroughly, add rinse to spray, crush container and dispose of at Local Authority tip.

MANUFACTURER: Bayer (Australia) Ltd.

DISTRIBUTOR

USED IN DIVISION 1 2 3 4 ⑤ ⑥ 7 8

NUMBER: ⑨ 10 11 12 13 14 15 16



FORESTS DEPARTMENT OF W.A.  
INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME:	FOLIDOL M50 BL Insecticide Spray ***
ACTIVE INGREDIENT:	500 g/l parathion-methyl
CLASSIFICATION:	Insecticide and miticide (pesticide)
FORMULATION:	Emulsifiable concentrate.
USE:	Control of spider mites and insect pests as per label instructions only.
MIXING:	As per instructions on label.
PROTECTIVE CLOTHING:	
Mixing	PVC gloves, long sleeved combination overalls, and full face twin cartridge respirator with dust and mist chemical filters.
Application	As above
Personal precautions	Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing <del>before re-use</del> regularly or when known to be contaminated.
Hazard to health	Stored in body - No - cumulative effect. Degree of toxicity - Swallowing - High Skin absorption - High Inhalation - High
FIRST AID:	
Swallowing	Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.
Splashing in eyes	Flush with water for 15 mins., cover eye with eye pad.
Spillage over person	Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.
Inhalation	Resuscitation
ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER. O.I.C. TO NOTIFY SAFETY BRANCH, HEAD OFFICE AND DEPARTMENT OF HEALTH (09) 325 7911.	
ENVIRONMENTAL LIMITATIONS:	Do not allow humans or animals in sprayed area for two weeks. Avoid contamination of water catchment run-off area, dams streams, domestic or irrigation water supplies. Avoid spraying non-target organisms.
STORAGE:	Cool, dry, locked store in original container. Store away from explosives or reactive chemicals.
SPILLAGE:	Dilute and bury after treatment with soda ash or slaked lime.
DISPOSAL OF CONTAINER:	Rinse and add rinse to spray. Crush container and dispose of at Local Authority tip.
MANUFACTURER:	Bayer (Australia) Ltd.
DISTRIBUTOR	
USED IN DIVISON	1 2 3 4 5 6 7 8
NUMBER:	9 10 11 12 13 14 15 16


\*\*\* USE OF THIS CHEMICAL IS RESTRICTED

30 JUN 1981

FORESTS DEPARTMENT OF W.A.INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME:	Gusathion 50 Insecticide Spray
ACTIVE INGREDIENT:	500 g/kg azinphos-methyl
CLASSIFICATION:	Insecticide (pesticide)
FORMULATION:	Soluble powder
USE:	As a spray against codling moth.
MIXING:	As per label instructions.
PROTECTIVE CLOTHING:	
Mixing	PVC gloves, long sleeved combination overalls, impervious boots and twin cartridge respirator with agricultural filter.
Application	As above.
Personal precautions	Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated. <del>before re-use.</del>
Hazard to health	Stored in body - No - cumulative effect Degree of toxicity - Swallowing - High Skin absorption - High Inhalation - High
FIRST AID:	
Swallowing	Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.
Splashing in eyes	Flush with water for 15 mins., cover eye with eye pad.
Spillage over person	Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.
ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.	
ENVIRONMENTAL LIMITATIONS	Do not contaminate dams, streams, domestic or irrigation water supplies. Harmful to wildlife.
STORAGE:	In cool, dry, locked chemical store.
SPILLAGE:	Mix with soda ash and bury in safe place.
DISPOSAL OF CONTAINER:	Rinse then add rinse to spray, crush container and dispose of at Local Authority tip.
MANUFACTURER:	Bayer (Australia) Ltd.
DISTRIBUTOR	
USED IN DIVISION	1 2 3 4 5 6 7 8
NUMBER:	9 10 11 12 13 14 15 16

  
 39 JUN 1981



FORESTS DEPARTMENT OF W.A.  
INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME: Malathion

ACTIVE INGREDIENT: 50% W/V. Maldison

CLASSIFICATION: Insecticide (Pesticide)

FORMULATION: Emulsifiable Concentrate.

USE: Insecticide to control Aphids, spiders, caterpillars, leaf hoppers, small insects, thrips.

MIXING: Dilute 15ml of the concentrate in 10 litres of water.

PROTECTIVE CLOTHING:

Mixing: PVC gloves, combination long sleeved overalls. Twin cartridge respirator with agricultural cartridges.

Application: PVC gloves, combination long sleeved overalls, respirator with agricultural cartridges.

Personal Precautions: Avoid contact with skin and eyes. Wash skin immediately after use with soap and water, and also before eating, drinking or smoking. Wash clothing ~~before re-use~~ regularly or when known to be contaminated.

Hazard to health: Stored in body - Not stored, but cumulative effect.  
Degree of toxicity - swallowing - low  
Skin absorption - low  
Inhalation - low

FIRST AID:

Swallowing: Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15mls.

Splashing in eyes: Flush with water for 15mins., cover eye with eye pad.

Spillage over person: Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL LIMITATIONS: Avoid contamination water, animal feed and foodstuffs.

STORAGE: Cool, dry, locked storage.

SPILLAGE: Treat area with soda ash or lime and cover with clean soil. Dilute with water if unable to cover with soil.

DISPOSAL OF CONTAINER: Rinse: Add rinse to spray tank. Clean container and dispose at Local Authority tip.

MANUFACTURER: Blue Grass

DISTRIBUTOR: Garden and Hardware stores.

USED IN DIVISION: 1 2 3 4 5 ⑥ 7 8

NUMBER: 9 10 11 ⑫ 13 14 15 16



FORESTS DEPARTMENT OF W.A.  
INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME: Rogor

ACTIVE INGREDIENT: 300 g/l Dimethoate

CLASSIFICATION: Systemic Insecticide

FORMULATION: Emulsifiable concentrate

USE: As an insecticide mainly for foliar spray in the nursery and field,  
(leaf hoppers etc).

MIXING: Mix and spray as per label usually 0.1%.

PROTECTIVE CLOTHING:

Mixing:	PVC gloves, long sleeved combination overalls, twin cartridge respirator with agricultural filters.
Application:	As above.
Personal Precautions:	Avoid contact with skin and eyes. Wash skin immediately after use with soap and water, and also before eating, drinking or smoking. Wash clothing <del>before re-use</del> , regularly or when known to be contaminated.
Hazard to health:	Stored in body - No, but cumulative effect.  Degree of toxicity - Swallowing - Medium Skin Absorption - Low Inhalation - Low

FIRST AID:

Swallowing:	Induce vomiting - tickle back of throat with a clean finger or give glass of salty water or Syrup of Ipecac 15mls.
Splashing in eyes:	Flush with water for 15mins., cover eye with eye pad.
Spillage over person:	Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL LIMITATIONS:	Very toxic to bees. Avoid contamination of ponds, waterways and domestic water supplies.
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STORAGE:	In cool, dry locked store.
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SPILLAGE:	Cover with slaked lime or soda ash and bury.
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DISPOSAL OF CONTAINER:	Flush, crush and dispose of container at local authority tip.
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MANUFACTURER: Roche-Maag Ltd  
DISTRIBUTOR: General Hardware Stores

USED IN DIVISION: ① 2 3 4 5 ⑥ 7 8  
NUMBER: 9 10 11 12 13 14 15 16





FORESTS DEPARTMENT OF W.A.  
INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME: White Spray Oil

ACTIVE INGREDIENT: 740 g/l refined mineral oil

CLASSIFICATION: Mineral oil

FORMULATION: Emulsifiable spray

USE: Control of scale insects

MIXING: As per label instructions

PROTECTIVE CLOTHING:

Mixing: Not required.

Application: Twin cartridge respirator with agricultural cartridges.

Personal precautions: Avoid contact with skin and eyes. Wash skin immediately after use with soap and water, and also before eating, drinking or smoking. Wash clothing ~~before re-use~~, regularly or when known to be contaminated.

Hazard to health: Stored in body - No

Degree of toxicity - Swallowing - Medium  
Skin Absorption - Nil  
Inhalation - Medium, if inhaled in fine mist.

FIRST AID:

Swallowing: Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.

Splashing in eyes: Flush with water for 15 mins., cover eye with eye pad.

Spillage over person: Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

ACCIDENTS INVOLVING SWALLOWING SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL LIMITATIONS: Do not spray when shade temperatures are over 32°C.

STORAGE: Locked shed.

SPILLAGE: Cover with sand.

DISPOSAL OF CONTAINER: Remove to Local Authority refuse tip.

MANUFACTURER: Shell Chemical Australia  
DISTRIBUTOR:

USED IN DIVISION: ① 2 3 4 5 ⑥ 7 8  
NUMBER: 9 10 11 12 ⑬ 14 15 16



FORESTS DEPARTMENT OF W. A.INSTRUCTIONS FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME:	THIMET
ACTIVE INGREDIENT:	30g/kg Phorate
CLASSIFICATION:	Systemic insecticide
FORMULATION:	Granules
USE:	Control of sucking insects
MIXING:	As per label instructions
PROTECTIVE CLOTHING:	
Mixing	PVC gloves, long sleeved overalls and twin respirator with agricultural filter, unvented goggles.
Application	As above.
Personal precautions	Poisonous if swallowed, inhaled or absorbed through the skin. Avoid contact with skin and eyes. Wash skin with soap and water immediately after use. Also before eating, drinking or smoking. Wash clothing <del>before re-use</del> regularly or when known to be contaminated.
Hazard to health	Stored in Body - No Degree of toxicity - Swallowing - High Skin absorption - High Inhalation - High
FIRST AID:	
Swallowing	Induce vomiting. Use Ipecac (APF) if available. Give one Atropine tablet every quarter hour until dryness of mouth occurs.
Spillage over person	Remove contaminated clothing and wash skin thoroughly. Give Atropine tablets as above.
Splashing in eyes	Wash with water for 15 minutes, then cover eye with eye pad.
ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.	
ENVIRONMENTAL LIMITATIONS:	Do not contaminate ponds, waterways or drains.
STORAGE:	Seal in original container, and store in safe place.
SPILLAGE:	Cover with slaked lime or soda ash and bury.
DISPOSAL OF CONTAINER:	Wash out empty container. Dispose of at Local Authority tip.
MANUFACTURER DISTRIBUTOR:	David Gray & Co. Pty. Ltd.
USED IN DIVISION:	1 2 3 4 5 6 7 8
NUMBER:	9 10 11 12 13 14 15 16



FORESTS DEPARTMENT OF W.A.  
INSTRUCTIONS FOR USE OF CHEMICALS

(TO BE USED IN CONJUNCTION WITH THE CHEMICAL USERS MANUAL, 1980)

TRADE NAME: *Dasolite 120*

ACTIVE INGREDIENT: *450g/l Monocrotophos (anti cholinesterase compound)*

CLASSIFICATION: *Systemic Insecticide/Nitrolic*

FORMULATION: *Emulsifiable Concentrate*

USE: *Injected into the stem of trees of several species for the control of leaf eating insects.*

MIXING: *As per label instructions - Flammable*

PROTECTIVE CLOTHING: *Impervious gloves (long) and twin cartridge respirator and long sleeved overalls.*

Mixing: *As above*

Application: *As above*

Personal Precautions: *Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing ~~before use~~ regularly or when known to be contaminated.*

Hazard to health: *Stored in body - No, but repeated frequent exposure could lower cholinesterase activity.*  
*Degree of toxicity - swallowing (High)*  
*- Skin absorption (Very High)*  
*- Inhalation (Very High)*

FIRST AID:

Swallowing: *Induce vomiting with Ipecac Syrup*

Spillage over person: *Remove contaminated clothes and wash skin.*

Splashing in eyes: *Wash with water for 15 minutes.*

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL LIMITATIONS: *Toxic to bees and birds. Persists for 14 days.*  
*Do not spray near apples.*

STORAGE: *Locked store in original container*

SPILLAGE: *concentrate Shovel contaminated soil into an impervious drum. Cover contaminated area with clean soil. Contact Local Authority for disposal.*

DISPOSAL OF CONTAINER: *Rinse and add rinse water to spray, crush and dispose of at Local Authority tip.*

MANUFACTURER DISTRIBUTOR: *DA-LL Chemical (Australia) Pty. Ltd.*

OCCUPATIONAL HEALTH BRANCH  
57 Murray Street,  
Perth, W.A. 6000  
Telephone 325 7311

*L. G. G. G.*  
19/9/84

FORESTS DEPARTMENT OF W.A.  
INSTRUCTIONS FOR USE OF CHEMICALS

(TO BE USED IN CONJUNCTION WITH THE CHEMICAL USERS MANUAL, 1980)

TRADE NAME: *Sitofol*

ACTIVE INGREDIENT: *550g/l Methamidophos (anti cholinesterase compound)  
(Organo - Phosphorus)*

CLASSIFICATION: *Insecticide*

FORMULATION: *Emulsifiable concentrate*

USE: *Injected into the stem of several species of trees for the control of leaf eating insects.*

MIXING: *As per label instructions.*

PROTECTIVE CLOTHING: *Impervious gloves (long), and twin cartridge respirator and long sleeved overalls.*

Mixing: *As above*

Application: *As above*

Personal Precautions: *Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing ~~before re-use~~ regularly or when known to be contaminated.*

Hazard to health: *Stored in body - No, but repeated frequent exposure could lower cholinesterase activity.  
Degree of toxicity - Swallowing (High)  
- Skin absorption (High)  
- Inhalation (High)*

FIRST AID:

Swallowing: *Induce vomiting with Ipecac Syrup. Take one atropine every quarter hour until dryness of mouth occurs.*

Spillage over person: *Remove contaminated clothes and wash skin. Then take one atropine tablet as above.*

Splashing in eyes: *Wash thoroughly*

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL LIMITATIONS: *Dangerous to bees. Do not contaminate ponds, streams or waterways.*

STORAGE: *Locked store in original container.*

SPILLAGE: *concentrate - Shovel contaminated soil into an impervious drum. Cover contaminated area with clean soil. Contact Local Authority for disposal.*

DISPOSAL OF CONTAINER: *Rinse and add rinse water to spray, crush and dispose of at Local Authority tip.*

MANUFACTURER DISTRIBUTOR: *Bayer Australia Limited.*

**OCCUPATIONAL HEALTH BRANCH**  
57 Murray Street,  
Perth, W.A. 6000  
Telephone 325 7911

*L. Glossop*  
19/9/84

DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT  
INSTRUCTIONS FOR USE OF CHEMICALS & WEEDS  
1985

(TO BE USED IN CONJUNCTION WITH THE CHEMICAL USERS MANUAL, 1980)

TRADE NAME: HORTICO ANT KILLER SPRAY.

ACTIVE INGREDIENT: 200 G/L Diazinon/Solvent 660 G/L Tolvane. *Toluene*

CLASSIFICATION: *ORGANOPHOSPHOROUS COMPOUND*  
Insecticide.

FORMULATION: Liquid.

USE: Control of Ants.

MIXING: 40 ml in one litre of water.

PROTECTIVE CLOTHING

*Mixing:* Rubber Gloves and Face Shield : Overalls, *BOOTS, PVC APRON*  
*Application:* As for Mixing. *RESPIRATOR*

*Personal Precautions:* Avoid contact with skin and eyes and avoid breathing vapors. Wash skin with soap and water immediately after use and also before eating, drinking and smoking. Wash clothing regularly or when known to be contaminated.

*Hazard to health:* Degree of toxicity - Swallowing - High  
Skin absorption - Medium  
Inhalation - Medium  
*ANTI-CHOLINESTERASE COMPOUND*

FIRST AID

*Swallowing:* Induce vomiting.

*Spillage over person:* Wash thoroughly with soap and water.

*Splashing in eyes:* Flush water for 15 min, cover eye with eye pad.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL LIMITATIONS: Do not contaminate ponds, waterways or drains. Harmful to bees.

STORAGE: Cool dry locked store.

SPILLAGE: Dilute with water, treat area with soda ash or lime & cover with clean soil.

DISPOSAL OF CONTAINER: Rinse, add rinse to tank, crush container and dispose of at local Authority tip.

MANUFACTURER DISTRIBUTOR: Hortico (Aust) Pty. Ltd.

DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT  
INSTRUCTIONS FOR USE OF CHEMICALS

(TO BE USED IN CONJUNCTION WITH THE CHEMICAL USERS MANUAL, 1980)

TRADE NAME: ALFACROM 50  
ACTIVE INGREDIENT: 500 g/kg S-(6-Chloro-2-Oxo-0xazololo[4,5-B]-Pyridin-3-Yl)methyl  
O,O-Dimethyl Phosphorathiate  
CLASSIFICATION: Residual Insecticide  
FORMULATION: Wettable Powder  
USE: Fly, Cockroach and spider control  
MIXING: As per manufacturers instructions

22 APR 1966  
J. Kellams

PROTECTIVE CLOTHING

Mixing: Rubber gloves, half/face respirator, impervious boots.  
Overalls, P.V.C. apron

Application: As above (except apron)

Personal Precautions: Avoid contact with skin & eyes & avoid breathing the dust or vapour. Wash skin with soap & water immediately after use & also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.

Hazard to health: Stored in body -  
Degree of toxicity - Swallowing - powder high, solution mod  
Skin Absorption - low  
Inhalation - powder high  
solution mod

FIRST AID

Swallowing: Induce vomiting

ORAL LO<sub>50</sub> (RATS) 1180 mg/kg

Spillage over person: Carefully remove contaminated clothing, wash skin thoroughly with soap & water, then put on clean clothing

Splashing in eyes: Flush with water for 15 min, cover eye with eye pad

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL LIMITATIONS: Do not contaminate ponds, waterways or drains with Product or used container.

STORAGE: Store in original containers, tightly closed in a locked store.

SPILLAGE: Concentrate: Sweep up & recycle. Mix: Treat area with soda ash or lime & cover with clean soil. Dilute with water if unable to cover with soil.

DISPOSAL OF CONTAINER: Dispose of at local tip by burning or burying.

MANUFACTURER DISTRIBUTOR: Ciba-geigy



*Stewart*  
17.02.88

CLM 729  
Sheet No. C19

**CONSERVATION AND LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)

<b>TRADE NAME:</b>	SUPRACIDE 400 E.C.
<b>ACTIVE INGREDIENT:</b>	400 g/l methidathion
<b>CLASSIFICATION:</b>	Insecticide
<b>FORMULATION:</b>	Liquid
<b>USE:</b>	Insect control at Karratha nursery
<b>MIXING</b>	As per label instructions.
<b>PROTECTIVE CLOTHING:</b>	
Mixing:	Impervious boots, waterproof protective clothing, PVC gloves, and goggles and twin cartridge respirator for organic vapours.
Application:	Wear waterproof protective clothing, PVC gloves and goggles and twin cartridge respirator for organic vapours.
<b>PERSONAL PRECAUTIONS:</b>	Avoid contact with skin and eyes. Do not inhale. Wash/shower immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.
<b>HAZARD TO HEALTH:</b>	Stored in body - No Degree of toxicity: Swallowing - High Skin absorption - Moderate Inhalation - Moderate
<b>FIRST AID:</b>	
Swallowing:	Induce vomiting - tickle back of throat with a clean finger or give ipecac syrup, followed at atropine.
Splashing in Eyes:	Flush with water for 15 mins. cover eye with eye pad - seek medical advice.
Spillage over person:	Remove all contaminated clothing and wash affected area with soap and water - give atropine.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL LIMITATIONS:</b>	
STORAGE:	Do not contaminate ponds, waterways and drains. In locked chemical store, preferably at 7° - 35°C.
SPILLAGE:	Retain as much liquid in broken drums and transfer to steel drum or tinsplate container. Soak up spill with sand/soil. Bury waste at an approved site under 40cm of earth.
<b>DISPOSAL OF CONTAINER:</b>	Ensure entire contents have been used. Double rinse and add mix to spray. Crush or puncture container, then dispose of by burying at the local authorities approved site.
<b>MANUFACTURER:</b>	Ciba-Geigy.



*Penelope*  
14.10.86

CLM 729  
Sheet No          C20

**CONSERVATION AND LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980  
and the relevant technical instruction sheet)

**TRADE NAME:** Dursban 480

**ACTIVE INGREDIENT:** 480 g/l Chlorpyrifos

**CLASSIFICATION:** Insecticide - Termicide

**FORMULATION:** Liquid

**USE:** Residual control of whiteants, cockroaches, spiders, silverfish, mosquito and Argentine Ants.

**MIXING:** as per manufacturers directions

**PROTECTIVE CLOTHING:**  
Mixing: Impervious boots, overalls, goggles and PVC gloves twin cartridge respirator for organic vapours.

Application: Impervious boots, overalls, goggles and PVC gloves. If applying in confined spaces or using as a mist use a twin cartridge respirator for organic vapours.

**PERSONAL PRECAUTIONS:** Avoid contact with skin and eyes.  
Remove pets and cover fish bowls before spraying.  
Do not allow children or pets to contact treated area until dry.  
Wash skin with soap and water immediately after use and before eating, drinking or smoking. Wash clothing regularly, or when known to be contaminated.

**HAZARD TO HEALTH:** Stored in body - No  
Degree of toxicity: Swallowing - Moderate  
Skin Absorption - Moderate  
Inhalation - Moderate  
Eye - Severe Irritant

**FIRST AID:**  
Swallowing: Induce vomiting, use IPECAC syrup if available. Give atropine tablet every 15 minutes until dryness of mouth occurs.

Splashing in Eyes: Hold eyes open and flush with water for 15 minutes, cover eye with eye pad. Seek medical attention.

Spillage over person: Remove contaminated clothing and wash skin thoroughly with soap and water. Give atropine tablets.

Inhalation: Remove to fresh air. If ill effects occur call a doctor.

**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL DOCTOR**

**ENVIRONMENTAL LIMITATIONS:** Care should be taken not to contaminate ponds, water or other fish bearing waters. Product is highly toxic to bees when exposed to direct treatment or pla shortly after treatment.

**STORAGE:** In locked chemical store away from feed stuff, foods drugs and clothing

**SPILLAGE:** Absorb small spills in inert material such as sand, bury at approved site.

**DISPOSAL OF CONTAINER:** Ensure entire contents have been used, rinse contain and add rinse to spray. Flatten or puncture and dispose of at local authorities approved site.

**MANUFACTURER:** Dow Chemical  
**DISTRIBUTOR:** David Gray and Co





*Jordan*

CLM 729  
Sheet No. C21

DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT  
INSTRUCTIONS FOR SAFE USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME: FENITROTHION 500  
ACTIVE INGREDIENT: Fenitrothion 50%, Xylene 44.6%  
CLASSIFICATION: Insecticide  
FORMULATION: Clear brown liquid (unpleasant odour)  
USE: Grasshopper control. Use as per label instructions.

PROTECTIVE CLOTHING:  
Mixing: Dual cartridge respirator, goggles, combination overalls, PVC apron, gloves and boots.  
Application: Dual cartridge respirator, combination overalls, PVC gloves and boots.

PERSONAL PRECAUTIONS: Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.

HAZARD TO HEALTH: Stored in body - No  
Degree of Toxicity:  
Swallowing - Moderate  
Skin Absorption - Moderate  
Inhalation - Moderate

FIRST AID: See medical advice.  
Swallowing: Induce vomiting with ipecac syrup.  
Splashing in eyes: Flush eyes with clean running water for 15 minutes.  
Spillage over person: Remove contaminated clothing and wash skin with soap and water.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER

ADVICE TO DOCTOR: Administer Atropine and contact Poisons Information Centre.

ENVIRONMENTAL LIMITATIONS: Do not contaminate waterways, streams, domestic or irrigation water supplies.

STORAGE: Store in cool dry place in sealed container.

SPILLAGE: Contain spillage with absorbent granules or earth and place in sealed steel drums. Dispose of at approved local authority site. Neutralizing Chemicals Alkalis eg. Hydrated Lime.

DISPOSAL OF CONTAINER: Double rinse, crush or puncture before removal to local authority approved site.

MANUFACTURER: MAY & BAKER RURAL PTY LTD



*Fender*  
19.10.88

CLM 729  
Sheet No. C22

DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT  
INSTRUCTIONS FOR SAFE USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME: BUGMASTER 80  
ACTIVE INGREDIENT: 800 g/kg naphthyl methyl carbamate  
(common name Carbaryl)  
CLASSIFICATION: Insecticide  
FORMULATION: Off white powder, musty odour  
USE: Grasshopper control. Use as per label instructions.

PROTECTIVE CLOTHING:  
Mixing: Double cartridge respirator, combination overalls, PVC boots, PVC gloves and PVC apron  
Application: Double cartridge respirator, combination overalls, PVC boots and PVC gloves

PERSONAL PRECAUTIONS: Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.

HAZARD TO HEALTH: Stored in body - No  
Degree of toxicity:  
Swallowing - Moderate  
Skin Absorption - Moderate  
Inhalation - Moderate

FIRST AID:  
Swallowing: Induce vomiting, use ipecac syrup if available, seek medical attention.  
Splashing in eyes: Wash thoroughly with water for 15 minutes  
Spillage over person: Remove contaminated clothing and wash thoroughly with soap and water.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER

ENVIRONMENTAL LIMITATIONS: Toxic to fish and honey bees. Do not contaminate ponds, waterways, streams, domestic or irrigation water supplies.

STORAGE: Cool, dry store in sealed container.  
SPILLAGE: Sweep up and store in sealed drum. No neutralizing chemicals needed.

DISPOSAL OF CONTAINER: Double rinse, crush or puncture before removal to local authority approved site.

MANUFACTURER: MAY & BAKER RURAL PTY LTD



*Handwritten:*  
19 10 83

CLM 729  
Sheet No. C23

DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT  
INSTRUCTIONS FOR SAFE USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME:	MALATHION (97%) ULV Concentrate
ACTIVE INGREDIENT:	1180 g/l maldison
CLASSIFICATION:	Insecticide
FORMULATION:	Clear yellow liquid - unpleasant odour
USE:	Grasshopper control. Use as per label instructions.
PROTECTIVE CLOTHING:	
Mixing:	Dual cartridge respirator, goggles, combination overalls, PVC apron, gloves and boots
Application:	Dual cartridge respirator, combination overalls, PVC gloves and boots
PERSONAL PRECAUTIONS:	Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.
HAZARD TO HEALTH:	Stored in body - No Degree of toxicity: Swallowing - Moderate Skin Absorption - Moderate Inhalation - Moderate
FIRST AID:	
Swallowing:	Induce vomiting, use ipecac syrup if available. Seek medical advice.
Splashing in eyes:	Wash eyes thoroughly with clean running water for 15 minutes
Spillage over person:	Remove decontaminated clothing, wash skin thoroughly with soap and clean running water
ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER	
ADVICE TO DOCTOR:	Give Atropine and contact Poisons Information Centre
ENVIRONMENTAL LIMITATIONS:	May be harmful to birds, fish and bees. DO NOT contaminate waterways, streams, domestic or irrigation water supplies.
STORAGE:	Cool dry place, in sealed drums.
SPILLAGE:	Contain with clay earth or absorbent material and store in sealed drum. Dispose of at approved local authority site.
DISPOSAL OF CONTAINER:	Double rinse, crush or puncture drum before removal to local authority approved site.
MANUFACTURER:	MAY & BAKER RURAL PTY LTD

D. FIRE RETARDANTS

FIRE RETARDANTS

Amgard

D1

Empimin 3606

D2

Empimin 3631

D3





*Forster*  
17 Oct 83

CLM 729  
Sheet No. D2

**CONSERVATION AND LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)

**TRADE NAME:** EMPIMIN 3606

**ACTIVE INGREDIENT:** 20% solvent - "Butyl icinol"

**CLASSIFICATION:** Foaming compound.

**FORMULATION:** Pale yellow liquid.

**USE:** Foaming agent in some fire control operations.

**MIXING:** N/A (Regulated from reservoir)

**PROTECTIVE CLOTHING:**

Mixing: Impervious boots, overalls, goggles, PVC gloves and twin cartridge respirator with organic vapour cartridge.

Application: Impervious boots, overalls, goggles.

**PERSONAL PRECAUTIONS:** Severe eye irritant. Avoid contact with skin, eyes and breathing in vapour. Wash skin with soap and water after use before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.

**HAZARD TO HEALTH:** Stored in body - No.  
Degree of toxicity: Swallowing - Moderate  
Skin absorption - Moderate  
Inhalation - Moderate

**FIRST AID:**

Swallowing: Do not induce vomiting, give plenty of water and seek immediate medical attention.

Splashing in Eyes: Hold eyes open and flush for at least 15 mins. Seek medical attention.

Spillage over person: Remove all contaminated clothing and wash affected area with plenty of soap and water.

**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER**

**ENVIRONMENTAL LIMITATIONS:** None known.

**STORAGE:** Store away from foodstuffs and empty foodstuff receptacles, oxidising agents such as chlorates, nitrates, peroxides and hypochlorates.

**SPILLAGE:** Contain spilt material with sand or earth and dispose of at approved site. Minor spills may be washed away with water to a drain or sewer.

**DISPOSAL OF CONTAINER:** Double rinse, crush or puncture container and dispose of by burying at local authorities approved site.

**MANUFACTURER:** Albright and Wilson.

DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT  
INSTRUCTIONS FOR SAFE USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME: EMPIMIN 3631  
ACTIVE INGREDIENT: Sodium lauryl ethoxysulphate, diglycol ether  
CLASSIFICATION: Foaming agent  
FORMULATION: Pale yellow clear liquid  
USE: Foaming agent for fire fighting  
PROTECTIVE CLOTHING:  
Mixing: Overalls, goggles and rubber or PVC gloves  
Application: Overalls, goggles. When misting, twin cartridge - respirator is required  
PERSONAL PRECAUTIONS: Severe eye irritant. Avoid contact with skin, eyes and breathing in vapour. Wash skin with soap and water after use and before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.  
HAZARD TO HEALTH: Stored in body - No  
Degree of toxicity:  
Swallowing - Low  
Skin absorption - Low  
Inhalation - Low  
FIRST AID:  
Swallowing: Do NOT induce vomiting. Give plenty of water or milk and seek medical attention.  
Splashing in eyes: Immediately hold eyes open and flush thoroughly with water for 15 minutes. Continue flushing if medical assistance is not immediately available.  
Spillage over person: Remove contaminated clothing and wash contact areas with plenty of soap and water.  
ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER  
ENVIRONMENTAL LIMITATIONS: None known  
STORAGE: Store in a cool place  
SPILLAGE: Spillages are slippery. Absorb on sand or earth and collect into plastic or steel containers. Wash residual spillage away with plenty of water. Dispose of waste at approved local facility.  
DISPOSAL OF CONTAINER: Double rinse, crush or puncture containers and dispose of at approved local authority site.  
MANUFACTURER: ALBRIGHT AND WILSON AUSTRALIA LIMITED



*Order*  
19.10.88



E. STERILANTS

STERILANTS

Condys Crystals	E1
Formalin	E2
Methyl Bromide	E3
S.C.O. - 880	E4
Biogram Sterilant	E5
Superquat	E6
Sanas 30, Porta-Blue, Entex Privikem, Commerlin Deodersan	E7

## FORESTS DEPARTMENT OF W.A.

INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME: CONDYS CRYSTAL

ACTIVE INGREDIENT: 100% potassium permanganate

CLASSIFICATION: Sterilant

FORMULATION: Crystals

USE: Active component of incendiary bombs - Forests Department.  
Sterilising equipment in water.

MIXING: Incendiary bombs - 5.5 gm Condys Crystals/capsule to  
1.3 ml ethylene glycol just before leaving aircraft.

PROTECTIVE CLOTHING:

Mixing Impervious gloves, long sleeved combination overalls  
and apron.

Application Not applicable.

Personal precautions Avoid contact with skin and eyes. Wash skin with soap and  
water immediately after use and also before eating, drinking  
or smoking. Wash clothing ~~before re-use,~~  
regularly or when known to be contaminated.

Hazard to health Stored in body - No

Degree of toxicity - Swallowing - Low  
Skin absorption - Very low  
Inhalation - Low

FIRST AID:

Swallowing If large amount - DO NOT induce vomiting.  
TRANSPORT IMMEDIATELY TO HOSPITAL.

Splashing in eyes Flush with water for 15 mins., cover eye with eye pad.

Spillage over person Carefully remove protective clothing, wash skin with soap  
and water, then put on clean clothes.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT,  
SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL Keep away from heat. Keep away from organic materials,  
LIMITATIONS: i.e. oils, alcohols, acids, fertilisers etc.

STORAGE: In locked chemical store. Store away from fertilisers  
and other organic material.

SPILLAGE: Dilute with water and bury.

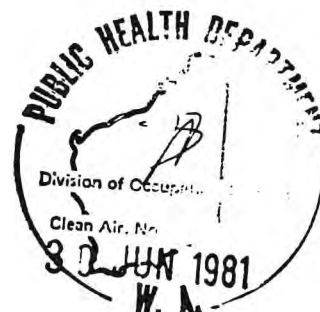
DISPOSAL OF CONTAINER: To Local Authority tip.

MANUFACTURER: Ajax Chemicals

DISTRIBUTOR

USED IN DIVISION 1 2 ③ 4 5 ⑥ 7 8

NUMBER: 9 10 11 12 13 14 15 16



FORESTS DEPARTMENT OF W.A.INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME: FORMALIN

ACTIVE INGREDIENT: 40% formaldehyde in water

CLASSIFICATION: Soil sterilant

FORMULATION: Liquid solution

USE: As a soil sterilant, against fungal and bacterial diseases, nematodes, insects and weeds, as a drench for nursery beds and shade houses.

MIXING: 1 part formalin to 40 parts water applied at 5 litres/m<sup>2</sup>.  
(For method see instruction on label.)

PROTECTIVE CLOTHING:

Mixing PVC gloves, overalls and twin cartridge respirator with an organic vapour chemical filter.

Application PVC gloves, overalls and twin cartridge respirator as above.

Personal precautions Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing before re-use, regularly or when known to be contaminated.

Hazard to health Stored in body - Nil

Degree of toxicity - Swallowing - High  
Skin absorption - Medium  
Inhalation - High

Is a skin irritant.

FIRST AID:

Swallowing Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.

Splashing in eyes Flush with water for 15 mins., cover eye with eye pad.

Spillage over person Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL Avoid spillage of concentrate.

LIMITATIONS: Flammable at 7% of formalin in air.

STORAGE: In cool, locked chemical store away from habited dwellings. Store only in original container. Keep container closed when not in use.

SPILLAGE: Dilute with water and bury.

DISPOSAL OF CONTAINER: Flush container for 15 mins., with water, crush and dispose of at Local Authority tip.

MANUFACTURER: Ramprrie Labs. Ltd.

DISTRIBUTOR

USED IN DIVISION 1 2 3 4 5 ⑥ 7 ⑧

NUMBER: 9 10 11 12 ⑬ 14 ⑮ 16



FORESTS DEPARTMENT OF W.A.  
INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME:	METHYL BROMIDE
ACTIVE INGREDIENT:	98% methylbromide 2% chloropicrin
CLASSIFICATION:	Soil sterilant
FORMULATION:	Liquid or gas
USE:	For control of fungi, bacteria, insects, and weeds in Forest nurseries and shadehouses.
MIXING:	As per instructions on label usually. (500 millilitres to 1.5 m <sup>3</sup> of soil)
PROTECTIVE CLOTHING:	
Mixing	Not Applicable
Application	Long sleeved combination overalls and full face respirator with canisters approved for Methyl Bromide.
Personal precautions	Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking.
Hazard to health	Stored in body - Yes Degree of toxicity - Swallowing - High Skin absorption - High Inhalation - Very High Methyl Bromide has cumulative properties with daily exposure.
FIRST AID:	
Swallowing	Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.
Splashing in eyes	Flush with water for 15 mins., cover eye with eye pad.
Spillage over person	Carefully remove all protective clothing including boots and allow to air. Wash skin with soap and water. Aired clothing may be re-worn.
Inhalation	Resuscitation.
ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER. O.I.C. TO NOTIFY HEAD OFFICE AND DEPARTMENT OF HEALTH (09) 325 7911.	
ENVIRONMENTAL LIMITATIONS:	Highly toxic to plants, wildlife, animals and humans
STORAGE:	Cool, dry store. Store away from explosives and reactive chemicals.
SPILLAGE OR LEAKING CONTAINER:	Vacate area and allow to vapourise.
DISPOSAL OF CONTAINER:	Gas cylinders: Return to Manufacturer Liquid containers: Allow to air, dispose of at Local Authority tip.
MANUFACTURER DISTRIBUTOR	Ramprie Laboratories Ltd.
USED IN DIVISION	1 2 3 4 5 (6) 7 8
NUMBER:	9 10 11 12 13 14 15 16



FORESTS DEPARTMENT OF W.A.INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME:	S.C.O. - 880
ACTIVE INGREDIENT:	Ammonia
CLASSIFICATION:	Soil sterilant
FORMULATION:	Liquid
USE:	Control of fungi, bacteria, insects and weeds in nurseries.
MIXING:	200 mls ammonia to 100 litres of water.
PROTECTIVE CLOTHING:	
Mixing	PVC gloves, long sleeved combination overalls and full face respirator with ammonia cannister.
Application	As above.
Personal precautions	Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing before re-use. regularly
Hazard to health	Stored in body - No or when known to be contaminat Degree of toxicity - Swallowing - High Skin absorption - Highly irritating Inhalation - High
FIRST AID:	
Swallowing	Transport immediately to medical centre
Splashing in eyes	Flush with water for 15 mins., cover eye with eye pad.
Spillage over person	Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.
ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.	
ENVIRONMENTAL	Avoid contamination of waterways, streams, dams, lakes or drains.
LIMITATIONS	
STORAGE:	Cool, dry, locked chemical store.
SPILLAGE	Bury in soil.
DISPOSAL OF CONTAINER:	Flush and crush container and dispose of at Local Authority tip.
MANUFACTURER:	Ramprie Laboratories Ltd.
DISTRIBUTOR	
USED IN DIVISION	1 2 3 4 5 (6) 7 8
NUMBER:	9 10 11 12 13 14 15 16





DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT  
INSTRUCTIONS FOR USE OF CHEMICALS

(TO BE USED IN CONJUNCTION WITH THE CHEMICAL USERS MANUAL, 1980)

OCCUPATIONAL HEALTH, SAFETY  
& WELFARE  
1979-80

TRADE NAME: SUPERQUAT

ACTIVE INGREDIENT: Quarternary Ammonium Compounds

CLASSIFICATION: Fungicide - Sterilant

FORMULATION: Liquid

USE: General Fungicidal Sterilant used in nurseries.

MIXING: 2l of product in 170l of water (Spraying) 1:16 water (Footbaths)

PROTECTIVE CLOTHING

*Mixing:* PVC gloves, long sleeved combination overalls and eye goggles.

*Application:* PVC gloves, long sleeved combination overalls and eye goggles.

*Personal Precautions:* Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.

*Hazard to health:* Stored in body - No.  
Degree of Toxicity - Swallowing - Low  
Skin Absorption - No  
Inhalation - Low

FIRST AID

*Swallowing:* Give water or milk then induce vomiting.

*Spillage over person:* Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

*Splashing in eyes:* Irrigate eyes with copious amounts of clean water for 5 mins.  
- Seek medical advice.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER,

ENVIRONMENTAL LIMITATIONS: No known effect on the environment. Superquat neutralises rapidly after use.  
Avoid indiscriminate use.

STORAGE: Locked chemicals store.

SPILLAGE: Restrain spillage with absorbent material and neutralize with soapy water.

DISPOSAL OF CONTAINER: Rinse, crush and dispose of at local authority tip.

MANUFACTURER DISTRIBUTOR: Chemical Formulators.



F. WOOD PRESERVATIVES

WOOD PRESERVATIVES

Creosote (Pesticide)

F1

FORESTS DEPARTMENT OF W.A.INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME: CREOSOTE \*\*\*

ACTIVE INGREDIENT: A mixture of chemicals derived from coal tar.

CLASSIFICATION: Wood preservative (pesticide)

FORMULATION: Oily distillate of coal tar.

USE: Pressure impregnation into wood or external brush application

MIXING: Not applicable - use direct from container.

PROTECTIVE CLOTHING:

Application PVC gloves, long sleeved combination overalls, impervious boots and apron. Twin cartridge respirator if it contains PCP. (Pentachlorophenol).

Personal precautions Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing before re-use. regularly or when known to be contaminated.

Hazard to health: Stored in body - No known to be contaminated.

Degree of Toxicity - Swallowing - High

Skin absorption - Strongly irritant

Inhalation - Low

IF CREOSOTE IS MIXED WITH A PROPORTION OF SODIUM PENTACHLORPHENOL (PCP) IT THEN BECOMES HIGHLY TOXIC AND MAY BE STORED IN THE BODY.

FIRST AID:

Swallowing Induce vomiting - give a mixture of vegetable oil and milk.

Splashing in eyes Flush with water for 15 mins., then cover eye with eye pad.

Spillage over person Carefully remove protective clothing. Wash skin with soap and water for 15 mins., then put on clean clothes.

ACCIDENTS INVOLVING GROSS SKIN CONTACT, SPLASHING IN EYES OR SWALLOWING, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL LIMITATIONS: Do not use when temperature exceeds 24°C.

STORAGE: In locked chemical store. Do not allow container to leak.

SPILLAGE: Bury.

DISPOSAL OF CONTAINER: To Local Authority tip.

MANUFACTURER

DISTRIBUTOR: Bellways/Koppers Newcastle.

USED IN DIVISION 1 2 3 4 5 6 7 8

NUMBER: 9 10 11 12 13 14 15 16

\*\*\* USE OF THIS CHEMICAL RESTRICTED



G. FERTILISERS

## FERTILIZERS

Sheet No.

Agran	1
Agras No. 1	2
Agras No. 2	3
Agras, Copper, Zinc, Molybdenum	4
Copper Sulphate	5
Potato E	6
Sulphate of Ammonia - (πBoostπ)	7
Superphosphate	8
Super, Copper, Zinc	9
Super, Copper, Zinc, Molybdenum	10
Urea	11
Vigran	12
Vigran 363	13
Zinc Sulphate Heptahydrate	14
Zinc Sulphate Monohydrate	15



*Fenton*  
17 02 83

CLM 729  
Sheet No. G1

**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)

<b>TRADE NAME</b>	AGRAN
<b>ACTIVE INGREDIENT</b>	34% Nitrogen (N)
<b>CLASSIFICATION</b>	Fertilizer
<b>FORMULATION</b>	Prilled
<b>USE</b>	Nitrogenous fertilizer
<b>MIXING</b>	N/A
<b>APPLICATION RATES</b>	Ground or aerial. Rates as per current prescriptions.
<b>PROTECTIVE CLOTHING</b> Mixing & Application Personal Precautions	Wear gloves and safety goggles. Optional - overalls and class M disposal respirator. Avoid product dust inhalation and contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.
Hazard to Health	Stored in Body - No Degree of Toxicity Swallowing - Low Skin Absorption - Low/Irritant Inhalation - Low/Irritant
<b>FIRST AID:</b>	
Swallowing	Induce vomiting - tickle back of throat with a clean finger or give a glass of warm salty water or syrup of Ipecac (15 mls)
Splashing in eyes	Flush with water for 15 mins, then cover eye with eye pad
Spillage over person	Wash affected area with soap and water.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL LIMITATIONS:</b>	Avoid contamination of waterways.
<b>STORAGE:</b>	Store in a dry place.
<b>SPILLAGE:</b>	Sweep and re-use
<b>DISPOSAL OF CONTAINER:</b>	Plastic bags should be buried at local authorities tip
<b>MANUFACTURER: DISTRIBUTOR:</b>	C.S.B.P. - Bunbury



*F. Anderson*  
17.07.2013

CLM 729  
Sheet No. G2

**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)

<b>TRADE NAME</b>	AGRAS NO. 1
<b>ACTIVE INGREDIENT</b>	17.5% Nitrogen (N), 7.6% Phosphate (P), 16.0% Sulphur (S), 600ppm Zinc (Zn)
<b>CLASSIFICATION</b>	Fertilizer.
<b>FORMULATION</b>	Granulated.
<b>USE:</b>	Nitrogen, phosphorous and trace element fertilizer.
<b>APPLICATION RATES</b>	Ground or aerial. Rates as per current prescriptions.
<b>PROTECTIVE CLOTHING</b>	Wear gloves and safety goggles. Optional: Overalls and Class M disposal respirator.
Personal precautions	Avoid undue contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated. Keep wounds well covered.
Hazard to health	Stored in Body - No. Degree of Toxicity - Swallowing - Low Skin Absorption - Low/Irritant Inhalation - Low-irritant
<b>FIRST AID:</b> Swallowing	Induce vomiting, tickle back of throat with a clean finger or give a glass of warm salty water or syrup of Ipecac (15 mls).
Splashing in eyes	Flush with water for 15 mins, then cover eye with eye pad.
Spillage over person	Wash with soap and water.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL LIMITATIONS:</b>	Avoid contamination of waterways.
<b>STORAGE:</b>	In a well ventilated store, cool and dry away from direct sunlight.
<b>SPILLAGE:</b>	Collect and re-use.
<b>DISPOSAL OF CONTAINER:</b>	To local authority's tip.
<b>MANUFACTURER:</b> <b>DISTRIBUTOR:</b>	C.S.B.P. - Bunbury.



*Ford*  
17.02.58

CLM 729  
Sheet No. G3

**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)

<b>TRADE NAME</b>	AGRAS NO. 2
<b>ACTIVE INGREDIENT</b>	12.0% Nitrogen (N), 10.4% Phosphate (P), 13.0% Sulphur (S), 600ppm Zinc (Zn)
<b>CLASSIFICATION</b>	Fertilizer.
<b>FORMULATION</b>	Granulated.
<b>USE:</b>	Nitrogen, phosphorous and trace element fertilizer.
<b>APPLICATION RATES</b>	Ground or aerial. Rates as per current prescriptions.
<b>PROTECTIVE CLOTHING</b> Application	Wear gloves and safety goggles. Optional: Overalls and Class M disposable respirator.
Personal precautions	Avoid undue contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated. Keep wounds well covered.
Hazard to health	Stored in Body - No. Degree of Toxicity - Swallowing - Low Skin Absorption - Low/Irritant Inhalation - Low/Irritant.
<b>FIRST AID:</b> Swallowing	Induce vomiting, tickle back of throat with a clean finger or give a glass of warm salty water or syrup of Ipecac (15 mls).
Splashing in eyes	Flush with water for 15 mins, then cover eye with eye pad.
Spillage over person	Wash with soap and water.
<b>*ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, CONSULT LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL LIMITATIONS:</b>	Avoid contamination of waterways.
<b>STORAGE:</b>	In a well ventilated store, cool and dry away from direct sunlight.
<b>SPILLAGE:</b>	Collect and re-use.
<b>DISPOSAL OF CONTAINER:</b>	To local authority's tip.
<b>MANUFACTURER:</b> <b>DISTRIBUTOR:</b>	C.S.B.P. - Bunbury.





*Ford*  
17.01.88

CLM 729  
Sheet No. G4

**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)

<b>TRADE NAME</b>	AGRAS, COPPER, ZINC, MOLYBDENUM
<b>ACTIVE INGREDIENT</b>	12.0% Nitrogen (N), 10.4% Phosphate (P), 13.0% Sulphur (S), .3% Zinc (Zn), .66% Copper (Cu), 400ppm Molybdenum.
<b>CLASSIFICATION</b>	Fertilizer.
<b>FORMULATION</b>	Granulated.
<b>USE:</b>	Nitrogen, phosphorous and trace element fertilizer.
<b>APPLICATION RATES</b>	Ground or aerial. Rates as per current prescriptions.
<b>PROTECTIVE CLOTHING</b>	Wear gloves and safety goggles. Optional: Overalls and Class M disposable respirator.
Personal precautions	Avoid undue contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated. Keep wounds well covered.
Hazard to health	Stored in Body - No. Degree of Toxicity - Swallowing - Low Skin Absorption - Low/Irritant Inhalation - Low/Irritant.
<b>FIRST AID:</b>	
Swallowing	Induce vomiting, tickle back of throat with a clean finger or give a glass of warm salty water or syrup of Ipecac (15 mls).
Splashing in eyes	Flush with water for 15 mins, then cover eye with eye pad.
Spillage over person	Wash with soap and water.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL LIMITATIONS:</b>	Avoid contamination of waterways.
<b>STORAGE:</b>	In a well ventilated store, cool and dry away from direct sunlight.
<b>SPILLAGE:</b>	Collect and re-use.
<b>DISPOSAL OF CONTAINER:</b>	To local authority's tip.
<b>MANUFACTURER:</b>	C.S.B.P. - Bunbury.
<b>DISTRIBUTOR:</b>	



*Forster*  
17 Oct 85

CLM 729  
Sheet No. G5

**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)

<b>TRADE NAME</b>	COPPER SULPHATE (BLUESTONE).
<b>ACTIVE INGREDIENT</b>	100% copper sulphate.
<b>CLASSIFICATION</b>	Trace element and pesticide.
<b>FORMULATION</b>	Crystals.
<b>USE</b>	Nutrient trace element (foliar application)
<b>MIXING</b> 1. HAND:	200g to 100 litres water, apply at 100ml/tree (0.2kg/ha)
2. AIR:	Age 2-3yrs - 500g to 100 litres water. Apply at 100 litre/ha (0.5kg/ha) Age 6 yrs - 500 to 100 litres water Apply at 200 litres/ha (1.0kg/ha).
<b>PROTECTIVE CLOTHING</b>	
Mixing & Application	PVC gloves, long-sleeved combination overalls and eye protection. Class M respiration if dust generated  Class M disposal respirator if applying a fine mist.
Personal precautions	Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.
Hazard to health	Stored in body - No. Degree of toxicity - Swallowing - Mod Skin Absorption - Low Inhalation - Moderate.
<b>FIRST AID:</b>	In case of accidents, take label from the chemical container to the doctor.
Swallowing	Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.
Splashing in eyes	Flush with water for 15 mins., cover eye with eye pad.
Spillage over person	Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL LIMITATIONS:</b>	Treated seed must not be used for human or animal consumption. Keep livestock away from sprayed areas for at least two weeks. Do not contaminate streams drains or waterways.
<b>STORAGE:</b>	Cool, dry store.
<b>SPILLAGE:</b>	Collect and re-use.
<b>DISPOSAL OF CONTAINER:</b>	Empty sacks to be burnt at an authorised Local Authority tip.
<b>MANUFACTURER DISTRIBUTOR:</b>	David Gray and Co. W.A.



*Fendler*  
17 02 88

CLM 729  
Sheet No. G6

**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)

<b>TRADE NAME</b>	POTATO E.
<b>ACTIVE INGREDIENT</b>	3.5% Nitrogen (N), 7% Phosphate (P), 6.6% Potassium (K).
<b>CLASSIFICATION</b>	Fertilizer.
<b>FORMULATION</b>	Granulated.
<b>USE:</b>	Total fertilizer.
<b>APPLICATION RATES</b>	Rates as per current prescriptions.
<b>PROTECTIVE CLOTHING</b>	Wear gloves and safety goggles.
Application	Optional: Overalls and Class M disposable respirator.
Personal precautions	Avoid undue contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.
Hazard to health	Stored in Body - No. Degree of Toxicity - Swallowing - Low Skin Absorption - Irritant. Inhalation - Low/Irritant
<b>FIRST AID:</b>	
Swallowing	Induce vomiting, tickle back of throat with a clean finger or give a glass of warm salty water or syrup of Ipecac (15 mls).
Splashing in eyes	Flush with water for 15 mins, then cover eye with eye pad.
Spillage over person	Wash with soap and water.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL LIMITATIONS:</b>	Avoid contamination of waterways.
<b>STORAGE:</b>	In a well ventilated store, cool and dry away from direct sunlight.
<b>SPILLAGE:</b>	Collect and re-use.
<b>DISPOSAL OF CONTAINER:</b>	To local authority's tip.
<b>MANUFACTURER:</b>	C.S.B.P. - Bunbury.
<b>DISTRIBUTOR:</b>	



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17 Oct 88

CLM 729  
Sheet No. G7

**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)

<b>TRADE NAME</b>	SULPHATE OF AMMONIA (πBOOSTπ)
<b>ACTIVE INGREDIENT</b>	21% Nitrogen, 24% Sulphur.
<b>CLASSIFICATION</b>	Fertilizer and herbicide adjuvant.
<b>FORMULATION</b>	Soluble crystals.
<b>USE</b>	Used as a fertilizer but it can also be used as a mix to improve the reliability of performance from certain herbicides.
<b>MIXING</b>	Pre-mixed.
<b>APPLICATION RATES</b>	
Fertilizer Use:	As per current prescriptions.
Herbicide Adjuvant	2% W/V e.g. 2kg to 100 litres of water in the spray tank. (Refer Technical Instruction Sheet).
<b>PROTECTIVE CLOTHING</b>	
Mixing	When used as a additive to herbicides the relevant FD 729 for that herbicide should be used.
Application	Fertilizer - Wear gloves and safety goggles. Optional: Overalls and Class M disposable respirator.
Personal precautions	Avoid undue contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating drinking or smoking. Wash clothing regularly or when known to be contaminated. Keep wounds covered.
Hazard to health	Stored in body - No. Degree of toxicity - Swallowing - Low/Mod Skin Absorption - Low-Irritant. Inhalation - Low-irritant.
<b>FIRST AID:</b>	
Swallowing	
_lashing in eyes	Flush with water for 15 mins. then cover with eye pad.
Spillage over person	Wash with soap and water.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL LIMITATIONS:</b>	Do not contaminate waterways.
<b>STORAGE:</b>	Cool, dry store.
<b>SPILLAGE:</b>	Collect and re-use.
<b>DISPOSAL OF CONTAINER:</b>	Bury bags at local authority's tip.
<b>MANUFACTURER:</b>	
<b>DISTRIBUTOR:</b>	Gulf Ag. Industries.



*Jordan*  
17.02.85

CLM 729  
Sheet No. G8

**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)

<b>TRADE NAME</b>	SUPERPHOSPHATE
<b>ACTIVE INGREDIENT</b>	9.1% Phosphate (P), 10.5% Sulphur (S)
<b>CLASSIFICATION</b>	Fertilizer.
<b>FORMULATION</b>	Granulated.
<b>USE:</b>	Phosphate, Sulphur and trace element fertilizer.
<b>MIXING</b>	Pre-mixed.
<b>APPLICATION RATES</b>	Ground or aerial. Rates as per current prescriptions..
<b>PROTECTIVE CLOTHING</b>	Application gloves and safety goggles. Optional: Overalls, Class M disposal respirator.
<b>Personal precautions</b>	Avoid undue contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated. Keep wounds well covered.
<b>Hazard to health</b>	Stored in Body - No. Degree of Toxicity - Swallowing - Low Skin Absorption - Low/ Irritant. Inhalation - Low/Irritant
<b>FIRST AID:</b> Swallowing	Induce vomiting, tickle back of throat with a clean finger or give a glass of warm salty water or syrup of Ipecac (15 mls). Then give a milk drink.
<b>Splashing in eyes</b>	Flush with water for 15 mins, then cover eye with eye pad.
<b>Spillage over person</b>	Wash with soap and water.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL LIMITATIONS:</b>	Do not contaminate waterways.
<b>STORAGE:</b>	In a well ventilated store, cool and dry away from direct sunlight.
<b>SPILLAGE:</b>	Collect and re-use.
<b>DISPOSAL OF CONTAINER:</b>	To local authority's tip.
<b>MANUFACTURER:</b> <b>DISTRIBUTOR:</b>	C.S.B.P. - Bunbury.



*Jordan*  
17.02.83

CLM 729  
Sheet No. G9

**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)

<b>TRADE NAME</b>	SUPER, COPPER, ZINC.
<b>ACTIVE INGREDIENT</b>	8.2% Phosphate (P), 10% Sulphur (S), .66% Copper (Cu), .6% Zinc (Zn).
<b>CLASSIFICATION</b>	Fertilizer.
<b>FORMULATION</b>	Granulated.
<b>USE:</b>	Phosphate, Sulphur and trace element fertilizer.
<b>MIXING</b>	Pre-mixed.
<b>APPLICATION RATES</b>	Ground or aerial. Rates as per current prescriptions.
<b>PROTECTIVE CLOTHING</b>	Gloves and safety goggles.
Application	Optional: Overalls and Class M disposable respirator.
Personal precautions	Avoid undue contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated. Keep wounds well covered.
Hazard to health	Stored in Body - No. Degree of Toxicity - Swallowing - Low Skin Absorption - Low/Irritant. Inhalation - Low/Irritant.
<b>FIRST AID:</b>	
Swallowing	Induce vomiting, tickle back of throat with a clean finger or give a glass of warm salty water or syrup of Ipecac (15 mls). Then give a milk drink.
Splashing in eyes	Flush with water for 15 mins, then cover eye with eye pad.
Spillage over person	Wash with soap and water.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL LIMITATIONS:</b>	Do not contaminate waterways.
<b>STORAGE:</b>	In a well ventilated store, cool and dry away from direct sunlight.
<b>SPILLAGE:</b>	Collect and re-use.
<b>DISPOSAL OF CONTAINER:</b>	To local authority's tip.
<b>MANUFACTURER:</b>	C.S.B.P. - Bunbury.
<b>DISTRIBUTOR:</b>	



*Fertilon*  
17.01.85

CLM 729  
Sheet No. G10

**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)

<b>TRADE NAME</b>	SUPER, COPPER, ZINC, MOLYBDENUM.
<b>ACTIVE INGREDIENT</b>	8.2% Phosphate (P), 10% Sulphur (S), .66% Copper (Cu), .3% Zinc (Zn), 400ppm Molybdenum.
<b>CLASSIFICATION</b>	Fertilizer.
<b>FORMULATION</b>	Granulated.
<b>USE:</b>	Phosphate, Sulphur and trace element fertilizer.
<b>MIXING</b>	Pre-mixed.
<b>APPLICATION RATES</b>	Ground or aerial. Rates as per current prescriptions..
<b>PROTECTIVE CLOTHING</b>	Gloves and safety goggles.
Application:	Optional: Overalls and Class M disposable respirator.
Personal precautions	Avoid undue contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated. Keep wounds well covered.
Hazard to health	Stored in Body - No. Degree of Toxicity - Swallowing - Low Skin Absorption - Low/Irritant. Inhalation - Low/Irritant.
<b>FIRST AID:</b>	
Swallowing	Induce vomiting, tickle back of throat with a clean finger or give a glass of warm salty water or syrup of Ipecac (15 mls). Then give a milk drink.
Splashing in eyes	Flush with water for 15 mins, then cover eye with eye pad.
Spillage over person	Wash with soap and water.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL LIMITATIONS:</b>	Do not contaminate waterways.
<b>STORAGE:</b>	In a well ventilated store, cool and dry away from direct sunlight.
<b>SPILLAGE:</b>	Collect and re-use.
<b>DISPOSAL OF CONTAINER:</b>	To local authority's tip.
<b>MANUFACTURER:</b>	C.S.B.P. - Bunbury.
<b>DISTRIBUTOR:</b>	



*17.02.88*

CLM 729  
Sheet No. G11

**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)

<b>TRADE NAME</b>	UREA
<b>ACTIVE INGREDIENT</b>	46% Nitrogen (N).
<b>CLASSIFICATION</b>	Fertilizer
<b>FORMULATION</b>	Prilled.
<b>USE</b>	Nitrogenous fertilizer
<b>MIXING</b>	N/A
<b>APPLICATION RATES</b>	Ground or aerial. Rates as per current prescriptions.
<b>PROTECTIVE CLOTHING</b> Mixing & Application	Wear gloves and safety goggles. Optional - overalls and, Class M disposal respirator.
Personal precautions	Avoid product dust inhalation and contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating drinking or smoking. Wash clothing regularly or when known to be contaminated.
Hazard to health	Stored in Body - No. Degree of Toxicity Swallowing - Low Skin absorption - Low-irritant Inhalation - Low-irritant.
<b>FIRST AID:</b>	
Swallowing	Induce vomiting - tickle back of throat with a clean finger or give a glass of warm salty water or syrup of Ipecac (15mls).
Splashing in eyes	Flush with water for 15 mins, then cover eye with eye pad.
Spillage over person	Wash affected area with soap and water.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL LIMITATIONS:</b>	Avoid contamination of waterways.
<b>STORAGE:</b>	Store in a dry place.
<b>SPILLAGE:</b>	Sweep up and re-use.
<b>DISPOSAL OF CONTAINER:</b>	Plastic bags should be buried at local authorities tip.
<b>MANUFACTURER:</b> <b>DISTRIBUTOR:</b>	C.S.B.P. - Bunbury.





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17.02.83

CLM 729  
Sheet No. G12

**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)

<b>TRADE NAME</b>	VIGRAN
<b>ACTIVE INGREDIENT</b>	9% Nitrogen (N), 3.5% Phosphate (P), 7.4% Potassium (K), .5% Manganese, .1% Copper, .% Zinc, 1% Iron.
<b>CLASSIFICATION</b>	Fertilizer.
<b>FORMULATION</b>	Granulated.
<b>USE:</b>	Total fertilizer.
<b>APPLICATION RATES</b>	Rates as per current prescriptions.
<b>PROTECTIVE CLOTHING</b>	
Application:	Wear gloves and safety goggles. Optional: Overalls and Class M disposable respirator.
Personal precautions	Avoid undue contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.
Hazard to health	Stored in Body - No. Degree of Toxicity - Swallowing - No. Skin Absorption - Low/Irritant. Inhalation - Low/Irritant
<b>FIRST AID:</b>	
Swallowing	Induce vomiting, tickle back of throat with a clean finger or give a glass of warm salty water or syrup of Ipecac (15 mls).
Splashing in eyes	Flush with water for 15 mins. then cover eye with eye pad.
Spillage over person	Wash with soap and water.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL LIMITATIONS:</b>	Avoid contamination of waterways.
<b>STORAGE:</b>	In a well ventilated store, cool and dry away from direct sunlight.
<b>SPILLAGE:</b>	Collect and re-use.
<b>DISPOSAL OF CONTAINER:</b>	To local authority's tip.
<b>MANUFACTURER:</b>	C.S.B.P. - Bunbury.
<b>DISTRIBUTOR:</b>	



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17.02.83

CLM 729  
Sheet No. G13

**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)

<b>TRADE NAME</b>	VIGRAN 363
<b>ACTIVE INGREDIENT</b>	11% Nitrogen, 3% Phosphate, 3.3% Potassium, .1% Copper, .1% Zinc, 1% Iron.
<b>CLASSIFICATION</b>	Fertilizer.
<b>FORMULATION</b>	Granulated.
<b>USE:</b>	Total fertilizer.
<b>APPLICATION RATES</b>	Rates as per current prescriptions.
<b>PROTECTIVE CLOTHING</b> Mixing and Application	Wear gloves and safety goggles. Optional: Overalls and Class M disposable respirator.
Personal precautions	Avoid undue contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.
Hazard to health	Stored in Body - No. Degree of Toxicity - Swallowing - No. Skin Absorption - Low/Irritant. Inhalation - Low/Irritant
<b>FIRST AID:</b> Swallowing	Induce vomiting, tickle back of throat with a clean finger or give a glass of warm salty water or syrup of Ipecac (15 mls).
Splashing in eyes	Flush with water for 15 mins, then cover eye with eye pad.
Spillage over person	Wash with soap and water.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL LIMITATIONS:</b>	Avoid contamination of waterways.
<b>STORAGE:</b>	In a well ventilated store, cool and dry away from direct sunlight.
<b>SPILLAGE:</b>	Collect and re-use.
<b>DISPOSAL OF CONTAINER:</b>	To local authority's tip.
<b>MANUFACTURER:</b> <b>DISTRIBUTOR:</b>	C.S.B.P. - Bunbury.



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CLM 729  
Sheet No. G14

**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)

<b>TRADE NAME</b>	ZINC SULPHATE HEPTAHYDRATE
<b>ACTIVE INGREDIENT</b>	25% zinc sulphate heptahydrate
<b>CLASSIFICATION</b>	Trace mineral
<b>FORMULATION</b>	Crystals
<b>USE</b>	Nutrient, foliar application
<b>MIXING 1. HAND:</b>	5.0kg in 100 litres applied at 100ml/tree (5kg ZnSO <sub>4</sub> /ha)
<b>2. AIR:</b>	a) Age 2-3yrs. 10kg in 100 litres Applied at 100 litres/ha <sup>4</sup> (10kg ZnSO <sub>4</sub> /ha) b) Age 6 yrs. 10kg in 100 litres Applied at 100 litres/ha (20kg ZnSO <sub>4</sub> /ha).

**PROTECTIVE CLOTHING**

Application	Optional: Class M disposal respirator.1 Wear gloves and safety goggles. Optional: Overalls and Class M disposable respirator.
Personal precautions	Avoid undue contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.
Hazard to health	Stored in body - No. Degree of toxicity - Swallowing - Low Skin Absorption - Low/Irritant Inhalation - Low/Irritant

**FIRST AID:**

Swallowing	Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.
Splashing in eyes	Flush with water for 15mins., cover eye with eye pad.
Spillage over person	Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT,  
SEE LOCAL MEDICAL OFFICER**

**ENVIRONMENTAL  
LIMITATIONS:**

Avoid indiscriminate use.

**STORAGE:**

Cool, dry store.

**SPILLAGE:**

Collect and re-use

**DISPOSAL OF CONTAINER:**

Flush, crush and dispose of at Local Authority tip.

**MANUFACTURER  
DISTRIBUTOR:**

Government Stores.



*Jordan*  
17.02.83

CLM 729  
Sheet No. G15

**CONSERVATION & LAND MANAGEMENT DEPARTMENT OF W.A.**  
**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)

<b>TRADE NAME</b>	ZINC SULPHATE MONOHYDRATE
<b>ACTIVE INGREDIENT</b>	36% zinc sulphate
<b>CLASSIFICATION</b>	Trace mineral, fungicide
<b>FORMULATION</b>	Crystal
<b>USE</b>	Nutrient trace element (Foliar application)
<b>MIXING 1. HAND:</b>	3.5kg in 100 litres. Applied at 100ml/tree (age 0-5 yrs.)
<b>2. AIR:</b>	a) Age 2-3yrs. 7.0kg in 100 litres applied at 100 litres/ha (7.0kg/ha). b) Age 6 yrs. 7.0kg in 100 litres applied at 200 litres/ha (14.0 kg/ha.)
<b>PROTECTIVE CLOTHING</b>	
Mixing & Application	Optional: Class 5m disposable respirator. 1 Wear gloves and safety goggles. Optional: Overalls and Class M disposable respirator.
Personal precautions	Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.
Hazard to health	Stores in body - No. Degree of toxicity - Swallowing - Low Skin absorption - Low/Irritant Inhalation - Low/Irritant
<b>FIRST AID:</b>	
Swallowing	Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.
Splashing in eyes	Flush with water for 15 mins., cover eye with eye pad.
Spillage over person	Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.
<b>ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER</b>	
<b>ENVIRONMENTAL LIMITATIONS:</b>	Avoid indiscriminate use.
<b>STORAGE:</b>	Cool, dry store.
<b>SPILLAGE:</b>	Collect and re-use.
<b>DISPOSAL OF CONTAINER:</b>	Flush, crush and dispose of at Local Authority tip.
<b>MANUFACTURER:</b>	
<b>DISTRIBUTOR:</b>	Government Stores.

H. R O D E N T I C I D E S

RODENTICIDES

Phostoxin Tablets (Pesticide)

H1

Ratsak (Pesticide)

H2

1080 Fluoroacetate

H3

FORESTS DEPARTMENT OF W.A.INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME: PHOSTOXIN TABLETS

ACTIVE INGREDIENT: Aluminium phosphide which gives off phosphine gas in the presence of moisture in the air.

CLASSIFICATION: Rodenticide (pesticide)

FORMULATION: Pellets

USE: Fumigant to control rodents.

MIXING: Not applicable

APPLICATION RATES: As per label instructions.

PROTECTIVE CLOTHING:

Mixing: Not applicable

Application: Full face respirator with appropriate canister if working in confined areas. PVC gloves to be worn when handling pellets.

*Personal precautions*: Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing before re-use, regularly or when known to be contaminated.

*Hazard to health*: Stored in body - No

Degree of toxicity - Swallowing - High

Skin absorption - High

Inhalation - Very High

FIRST AID:

*Swallowing*: Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.

*Splashing in eyes*: Flush with water for 15 mins., cover eye with eye pad.

*Spillage over person*: Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL LIMITATIONS: As per label. Do not leave tablets exposed to air.

STORAGE: Cool, dry, locked store in sealed container.

SPILLAGE: Not applicable.

DISPOSAL OF CONTAINER: Local Authority tip.

MANUFACTURER:  
DISTRIBUTOR: Most hardware stores.

USED IN DIVISION: 1 2 3 4 (5) 6 7 8

NUMBER: (9) 10 11 12 13 14 (15) 16



FORESTS DEPARTMENT OF W.A.INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980) ...

TRADE NAME: RATSAK  
 ACTIVE INGREDIENT: 0.25 g/Kg of warfarin  
 CLASSIFICATION: Rodenticide (pesticide)  
 FORMULATION: Flakes  
 USE: Bait for rats and mice  
 MIXING: Pre-mixed  
 APPLICATION RATES: As per label instructions  
 PROTECTIVE CLOTHING:  
     Mixing Not applicable  
     Application PVC gloves  
 Personal precautions Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing before re-use, regularly or when known to be contaminated.  
 Hazard to health Stored in body - No - cumulative effect  
     Degree of toxicity - Swallowing - Anti-coagulant  
     Skin absorption - No  
     Inhalation - No  
  
 FIRST AID:  
 Swallowing Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.  
 Splashing in eyes Flush with water for 15 mins., cover eye with eye pad.  
 Spillage over person Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.  
  
 ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT,  
 SEE LOCAL MEDICAL OFFICER.  
  
 ENVIRONMENTAL LIMITATIONS: Harmful to animals and humans.  
 STORAGE: Cool, dry area.  
 SPILLAGE: Collect and bury or burn  
 DISPOSAL OF CONTAINER: Incinerate or dispose of at Local Authority tip.  
 MANUFACTURER:  
 DISTRIBUTOR Hardward stores.  
 USED IN DIVISION 1 2 ③ 4 5 ⑥ ⑦ 8  
 NUMBER: 9 10 ⑪ 12 13 14 ⑮ 16







*Jordan*  
17.01.88

CLM 729  
Sheet No. H3

**CONSERVATION AND LAND MANAGEMENT DEPARTMENT OF W.A.**

**INSTRUCTIONS FOR SAFE USE OF CHEMICALS**

(to be used in conjunction with the Chemical Users Manual, 1980)

**TRADE NAME:** 1080, FLUOROACETATE.  
**ACTIVE INGREDIENT:** Sodium Monofluoroacetate.  
**CLASSIFICATION:** Rodenticide.  
**FORMULATION:** White powder.  
**USE:** Control of rabbits, dogs and foxes. To be used only by operators that have been trained by the A.P.B. in "1080" preparation & use. Operator registration is also necessary.  
**MIXING** Can only be carried out by trained operator.  
**APPLICATION RATES**  
"1080" Wild Dog bait - 6.0 mg/bait  
"1080" Concentrate (Red) - 225 gm/litre  
"1080" Impregnated Oats - 4.5 mg/oat  
"1080" Concentrate (Black) - 200 gm/litre  
One shot "1080" Impregnated Oats - 80 gm/kg - 4.5 mg/oat.  
"1080" Oats - .57 gm/kg.  
**PROTECTIVE CLOTHING:**  
**Mixing:** PVC apron, gloves, boots and a class M respirator (handling powdered "1080") or full face mask if injecting dog baits..  
**Application:** Overalls, impervious, gloves and boots. Gloves should be burnt after each operation.  
**PERSONAL PRECAUTIONS:** Avoid all contact with the product. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.  
**HAZARD TO HEALTH:** Stored in body - No.  
Degree of toxicity: Swallowing - High  
Skin absorption - High  
Inhalation - High  
**FIRST AID:**  
**Swallowing:** Speed of treatment is essential. Give the victim one or two glasses of water and induce vomiting by touching the back of the throat with a clean finger.  
Keep quiet and at rest.  
Seek urgent medical attention.  
**Skin Absorption:** Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes. Seek urgent medical attention while keeping quiet and at rest.  
**ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER**  
**ENVIRONMENTAL LIMITATIONS:** Considering the low concentrations being used in declared animal control, "1080" presents no pollution, hazard to water in streams or pools if animals should die close by. Any sodium monofluoroacetate leached into the soil will be decomposed by bacteria or plants.  
**STORAGE:** If storage is necessary it should be kept in a cool, dry and locked Chemical Store. Avoid contamination of other stored material.  
**SPILLAGE:** Collect and re-use.  
**DISPOSAL OF CONTAINER:** Incinerate used containers and gloves immediately after use.  
**MANUFACTURER:** A.P.B. Forrestfield.  
**DISTRIBUTOR**

I. OTHERS

OTHERS

Ethrel Liquid Concentrate Growth Regulator (Pesticide)	I1
Ferric Chloride	I2
Glycol	I3
Hydrochloric Acid	I4
Soda Ash	I5
Plus 50	I6
<i>SULPHURIC ACID</i>	<i>I7</i>
Sodium Metabisulphite	I8
Sodium Cyanide	I9
Pulse Penetrant	I10

FORESTS DEPARTMENT OF W.A.  
INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME:	ETHREL Liquid Concentrate Growth Regulator
ACTIVE INGREDIENT:	480 g/l ethephon
CLASSIFICATION:	Growth regulator (pesticide)
FORMULATION:	Liquid concentrate
USE:	As a growth regulator spray
MIXING:	Dilute with water to label recommendations
APPLICATION RATES:	
PROTECTIVE CLOTHING:	
Mixing	Eye protection, long sleeved combination overalls.
Application	As above
Personal precautions	Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing <del>before re-use</del> regularly or when known to be contaminated.
Hazard to health	Stored in body - No Degree of toxicity - Swallowing - Low Skin absorption - Low Inhalation - Medium Ethephon is a strong irritant to skin, eyes and mucous membranes.
FIRST AID:	
Swallowing	Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.
Splashing in eyes	Flush with water for 15 mins., cover eye with eye pad.
Spillage over person	Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.
ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.	
ENVIRONMENTAL LIMITATIONS:	Do not use near water resources. Do not use on fresh fruit or fruit going to market. Do not use on poor quality or unhealthy trees. Do not store with other pesticides.
STORAGE:	In cool, dry store. In separate fertiliser store.
SPILLAGE:	Bury with soil.
DISPOSAL OF CONTAINER:	Carefully rinse, puncture containers and dispose of at local authority tip.
MANUFACTURER:	Ciba-Geigy, Australia Ltd.
DISTRIBUTOR	
USED IN DIVISION	1 2 3 4 5 ⑥ 7 8
NUMBER:	9 10 11 12 13 14 15 16



FORESTS DEPARTMENT OF W.A.

INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME: FERRIC CHLORIDE

ACTIVE INGREDIENT: ferric chloride

CLASSIFICATION: Trace mineral

FORMULATION: Black-brown solid

USE: Cleaning and etching

MIXING: Not applicable

PROTECTIVE CLOTHING:

Mixing PVC gloves

Application

Personal precautions Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing ~~before re-use~~ regularly or when known to be contaminated.

Hazard to health Stored in body - No

Degree of toxicity - Swallowing - High

Skin absorption - High

Inhalation - High

FIRST AID:

Swallowing DO NOT INDUCE VOMITING. TRANSPORT IMMEDIATELY TO LOCAL MEDICAL CENTRE FOR GASTRIC LAVAGE.

Splashing in eyes Flush with water for 15 mins., cover eye with eye pad.

Spillage over person Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL Do not heat as Ferric Chloride emits highly toxic fumes.

LIMITATIONS: Will react with water.

STORAGE: Cool dry store. Away from Na(Sodium), K (Potassium)

SPILLAGE: Cover with Sodium Bicarbonate or similar alkali. Remove contaminated material and incinerate in furnace or hose area with plenty of water draining into ground.

DISPOSAL OF CONTAINER: Thoroughly rinse and return to supplier or dispose of at local authority tip.

MANUFACTURER: Government Stores

DISTRIBUTOR:

USED IN DIVISION 1 2 3 4 5 6 7 8

NUMBER: 9 10 11 12 13 14 15 16



## FORESTS DEPARTMENT OF W.A.

INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME: GLYCOL

ACTIVE INGREDIENT: mono-ethylene glycol

CLASSIFICATION: Dihydric Alcohol

FORMULATION: Liquid

USE: To ignite incendiary capsules or used as coolant in vehicle radiators.

MIXING: 1.3 ml. per capsule glycol  
5.5 gms per capsule Potassium Permanganate

PROTECTIVE CLOTHING:

Mixing Not applicable

Application Long sleeved combination overalls

Personal precautions Avoid contact with skin and eyes. Wash skin with soap and water immediately after use and also before eating, drinking or smoking. Wash clothing ~~before re-use~~ regularly or when known to be contaminated.

Hazard to health Stored in body - No

Degree of toxicity - Swallowing - Medium  
Skin absorption - Low  
Inhalation - Low

FIRST AID:-

Swallowing Do not induce vomiting - transport immediately to local medical centre for Gastric Lavage.

Splashing in eyes Flush with water for 15 mins., cover eye with eye pad.

Spillage over person Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL LIMITATIONS: Avoid indiscriminate use.

STORAGE: Store away from acids and other reactive chemicals, e.g. Potassium Permanganate. Keep container tightly closed to protect from moisture and protect from damage.

SPILLAGE: Flush with water.

DISPOSAL OF CONTAINER: Flush, crush and dispose of at local authority tip.

MANUFACTURER: Shell Company, Australia.

DISTRIBUTOR

USED IN DIVISION 1 2 3 4 5 ⑥ 7 8

NUMBER: 9 10 11 12 13 14 15 16



FORESTS DEPARTMENT OF W.A.INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME: HYDROCHLORIC ACID

ACTIVE INGREDIENT: Hydrogen chloride

CLASSIFICATION: Acid

FORMULATION: Liquid

USE: Varied F.D. uses

MIXING: Use and mix as prescribed on label or as directed. Dilute with water as required for various uses as set down by F.D. recommendation.

PROTECTIVE CLOTHING:

Mixing PVC gloves, long sleeved combination overalls, sealed goggles, respirator with acid/gas cartridge.

Application As above when handling in confined areas or where ventilation is poor.

Personal precautions Avoid contact with skin and eyes.  
Wash skin with soap and water immediately after use, and also before eating, drinking or smoking. Wash clothing before regularly or when known to be contaminated. re-use. Avoid inhalation of fumes.

Hazard to health Stored in body - No  
Degree of toxicity - Swallowing - High  
Skin absorption - High  
Inhalation - High  
Highly corrosive to skin

FIRST AID:

Swallowing Seek medical attention immediately.  
Wash stomach with 5% sodium carbonate.

Splashing in eyes Flush with water for 15 mins., cover eye with eye pad.

Spillage over person Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL LIMITATIONS: Avoid indiscriminate use

STORAGE: In locked store. Keep well sealed. Store away from metals, alkalis or active metals.

SPILLAGE: Neutralise with slaked lime or soda ash and bury.

DISPOSAL OF CONTAINER: Rinse and return to manufacturer if returnable.

MANUFACTURER DISTRIBUTOR: All Wholesale chemists

USED IN DIVISION NUMBER: 1 2 3 4 5 6 7 8  
9 10 11 12 13 14 15 16







FORESTS DEPARTMENT OF W.A.  
INSTRUCTION FOR USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME: Plus 50

ACTIVE INGREDIENT: -

CLASSIFICATION: Non-ionic surfactant spray additive

FORMULATION: Liquid concentrate.

USE: Spray additive to increase effectiveness.

MIXING: As per label instructions.

PROTECTIVE CLOTHING:

Mixing: In accordance with active ingredients used.

Application: In accordance with active ingredients used.

Personal precautions: Avoid contact with skin and eyes. Wash skin immediately after use with soap and water, and also before eating, drinking or smoking. Wash clothing ~~before re-use,~~ regularly or when known to be contaminated.

Hazard to health: Stored in body - No  
Degree of toxicity - Swallowing - Low  
Skin absorption - Very low  
Inhalation - Very low

FIRST AID:

Swallowing: Induce vomiting - tickle back of throat with a clean finger or give glass of warm salty water or Syrup of Ipecac 15 mls.

Splashing in eyes: Flush with water for 15 mins., cover eye with eye pad.

Spillage over person: Carefully remove protective clothing, wash skin with soap and water, then put on clean clothes.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL LIMITATIONS: Avoid spillage into waterways, dams etc.

STORAGE: Chemical store.

SPILLAGE: Cover with soil.

DISPOSAL OF CONTAINER: Remove to Local Authority tip.

MANUFACTURER: Ciba Geigy  
DISTRIBUTOR:

USED IN DIVISION: 1 2 3 4 5 6 7 8  
NUMBER: 9 10 11 12 13 14 15 16



FORESTS DEPARTMENT OF W.A.  
INSTRUCTIONS FOR USE OF CHEMICALS

(TO BE USED IN CONJUNCTION WITH THE CHEMICAL USERS MANUAL, 1980)

TRADE NAME: *Sulphuric Acid*

ACTIVE INGREDIENT: *Hydrogen Sulphate*

CLASSIFICATION: *Acid*

FORMULATION: *Flowable Liquid*

USE: *In nurseries on pre-germination treatment or hard coated seeds.*

MIXING: *Concentrated or diluted in water.*

PROTECTIVE CLOTHING:

Mixing: *Face shield, acid proof gloves, long-sleeved combination overalls and safety boots.*

Application: *As above.*

Personal precautions: *Always add acid to water. Never add water to acid.*

Hazard to health: *Burning if in contact with body and possible loss of sight if in contact with eyes. Contact lenses should not be worn when working with this chemical.*

*Stored in body - no  
Degree of toxicity - Swallowing - high  
skin absorption - high*

FIRST AID:

Swallowing: *Drink copious quantities of water. Do not induce vomiting. Seek immediate medical attention.*

Spillage over person: *Wash under tap immediately and apply burn spray. Immediately remove contaminated clothing and flush the skin with water.*

Splashing in eyes: *Wash immediately with copious quantities of water, then seek medical attention.*

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL OFFICER.

ENVIRONMENTAL LIMITATIONS: *None known at present.*

STORAGE: *In a locked chemical store. Store away from metals. Store away from organic materials, chlorates, carbides, fulminates, and picrates. Avoid contact with rubber coatings and non-compatible plastics.*

SPILLAGE: *Wash with water or neutralize with sodium or calcium hydroxide, and then wash away with water.  
Ventilate area. Contact of acid with some metals produces highly explosive hydrogen gas. Persons not wearing protective equipment and clothing should be restricted from areas of spills or leaks until clean up has been completed.*

DISPOSAL OF CONTAINER: *Rinse with dilute sodium or calcium hydroxide and dispose as for waste glass.*

MANUFACTURER DISTRIBUTOR: *All wholesale chemists - requisition laboratory or technical grade.*

USED IN DIVISION NUMBER:

1 2 ③ 4 5 ⑥ ⑦ 8  
⑨ 10 11 12 13 14 15 16 ⑰



*War*  
*12/1/84*





*Fred*  
19/10/55

CLM 729  
Sheet No. 19

DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT  
INSTRUCTIONS FOR SAFE USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980  
relevant technical instruction sheet)

TRADE NAME: SODIUM CYANIDE (Na CN)  
ACTIVE INGREDIENT: 98%-99% sodium cyanide  
CLASSIFICATION: Poison  
FORMULATION: Powder  
USE: Fox Control Research  
MIXING: .5gms Na CN per sealed wax capsule  
PROTECTIVE CLOTHING: Cartridge respirator suitable for Na CN  
or HCN.  
Mixing: Impermeable gloves and apron.  
Application: Impermeable gloves.  
PERSONAL PRECAUTIONS: Avoid all contact. Wash skin with soap  
and water immediately after use and  
before eating, drinking or smoking. Wash  
clothing regularly, or when known to be  
contaminated.  
HAZARD TO HEALTH: Stored in body - No  
Degree of toxicity:  
Swallowing - High  
Skin Absorption - High  
Inhalation - High  
Eye - Severe irritant - may  
result in loss of sight. May  
be absorbed.  
FIRST AID:  
Swallowing: Unless unconscious or convulsions, give  
large amounts of water or milk to induce  
vomiting followed by cyanide antidote and  
first aid procedures. Obtain medical  
attention immediately.  
Splashing in eyes: Flush eyes with running water for at  
least 20 minutes holding eyelids open.  
Obtain medical attention immediately.  
Spillage over person: Remove contaminated clothing. Flush  
affected areas with running water for at  
least 20 minutes. Obtain medical  
attention immediately.  
Inhalation: Ensuring own safety, remove victim to  
fresh air. Obtain medical attention  
immediately.  
ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES, OR GROSS SKIN  
CONTACT, SEE LOCAL MEDICAL OFFICER  
ENVIRONMENTAL  
LIMITATIONS: Do not allow contamination of water ways.  
Unused baits are to be retrieved daily.  
STORAGE: In airtight containers in cool dry well-  
ventilated areas away from acids &  
oxidizers. Kept in original container in  
locked poisons cupboard.

Cont'd .....

SPILLAGE: Sweep up spilled material and detoxify affected area by using, either calcium hypochlorite or hydrogen peroxide.

DISPOSAL OF CONTAINER: Incinerate in an approved incinerator in accordance with local regulations.

MANUFACTURER: AMMTECH PTY

DISTRIBUTOR: AMMTECH PTY

NOTE: Persons handling cyanide should be instructed in use of the antidote and other forms of artificial respiration that are not mouth to mouth. Cyanide emergency kits are to be carried at all times.

The handling of this chemical is restricted to personnel based at WOODVALE and trained in its use.



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1910

CLM 729  
Sheet No I10

DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT  
INSTRUCTIONS FOR SAFE USE OF CHEMICALS

(to be used in conjunction with the Chemical Users Manual, 1980)

TRADE NAME: PULSE PENETRANT  
ACTIVE INGREDIENT: Oxyalkylenemethylsiloxane  
CLASSIFICATION: Wetting Agent (Penetrant)  
FORMULANT: Water dispersable liquid  
USE: Additive to Roundup (Glyphosate). Use only for woody weeds and brush.

PROTECTIVE CLOTHING:  
Mixing: PVC apron, gloves and boots, long sleeved combination overalls, goggles and twin cartridge respirators with agricultural filters.

Application: Long sleeved combination overalls. Optional PVC gloves, respirators and goggles.

PERSONAL PRECAUTIONS: Wash skin with soap & water immediately after use & before eating, drinking or smoking. Wash clothing regularly or when known to be contaminated.

HAZARD TO HEALTH: Stored in body - No  
Degree of toxicity:  
Swallowing - Low  
Skin absorption - Low  
Inhalation - Low

FIRST AID:  
Swallowing: Induce vomiting, use ipecac syrup if available.  
Splashing in eyes: Wash for 15 minutes with cold water.  
Spillage over person: Remove contaminated protective clothing wash skin thoroughly.

ACCIDENTS INVOLVING SWALLOWING, SPLASHING IN EYES OR GROSS SKIN CONTACT, SEE LOCAL MEDICAL PRACTITIONER

ENVIRONMENTAL LIMITATIONS: Do not contaminate open bodies of water or waterways with undiluted solution. Do not flush large quantities into sewers.

STORAGE: Cool, dry, locked store in original container.

SPILLAGE: Use personal protective equipment as for mixing. Absorb spilled material in soil, sand or absorbent clays. Sweep or scoop up absorbed spilled material, dispose of at approved local authority site. Wash down surfaces with water.

DISPOSAL OF CONTAINER: Triple rinse, crush or puncture & destroy when empty. Dispose of in approved local authority site.

MANUFACTURER: MONSANTO