

## CAUTION

KEEP OUT OF REACH OF CHILDREN  
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Nufarm

# MATAVEN<sup>®</sup> 90

Herbicide

ACTIVE CONSTITUENT: 90g/L FLAMPROP-M-METHYL

SOLVENT: 670g/L LIQUID HYDROCARBON

GROUP **K** HERBICIDE

A selective herbicide for the control of wild oats (black oats) by post-emergence treatment in wheat and triticale and selective spray topping of wild oats in wheat only.

Contents: 20L

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



**DIRECTIONS FOR USE:**

**RESTRAINTS:**

Do NOT spray if plants are stressed or likely to be stressed by dry or cold weather, waterlogging, crop disease or soil nutrient deficiencies such as zinc.

Do NOT apply if rain is likely within 4 hours.

Do NOT apply to crops which have been grazed.

Do NOT apply MATAVEN 90 more than once per season.

| CROP                | WEED   | RATE   | CRITICAL COMMENTS   |
|---------------------|--|--|---|
| Wheat,<br>Triticale | Wild Oats<br>(black oats)                                | 2.5 L/ha   | <b>Before using this product consult the latest Nufarm varietal safety guide.</b><br>Apply MATAVEN 90 when the majority of wild oats (black oats) are at the three-leaf to the end of tillering stages (Z30). Do NOT apply to the crop later than the beginning of jointing. MATAVEN 90 should only be applied to healthy crops. Wild oat (black oat) plants suffering from stress before or after application will not be controlled (killed) as readily as actively growing plants. Stress in the wild oat (black oat) and the crop can be caused by lack of moisture or nutrients, or by frost, waterlogging or (crop) disease.<br>Do NOT use a wetting agent with MATAVEN 90, or with MATAVEN 90/Glean <sup>^</sup> mixtures. |
| Wheat               | Wild Oats<br>(black oats):<br>Selective spray<br>topping | 1.25 to 1.875<br>L/ha<br>plus Bonza™ at<br>500 mL per<br>100 L water | <b>Before using this product consult the latest Nufarm varietal safety guide.</b><br>Apply MATAVEN 90 when the majority of wild oats are at stem elongation to booting (Z30 to Z40), preferably when 20% of tillers have begun to elongate (Z31). Monitor wild oat development to ensure application at the correct timing. Use the higher rate where weed pressure is high, crop competition is poor or growing conditions are less than optimal, as secondary tillering and heads may develop. Do NOT apply later than flag leaf stage (Z40) of the crop. Later applications may cause crop injury.   |

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

**WITHHOLDING PERIOD:**

**HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.**

**DO NOT GRAZE OR CUT FOR STOCK FOOD FOR SIX WEEKS AFTER APPLICATION.**

### GENERAL INSTRUCTIONS

Before using this product consult the latest Nufarm varietal safety guide. Avoid spray drift; do NOT use in high wind. MATAVEN 90 will not injure the crop where slight overlapping of treatment occurs. Increased row spacing or a sparse, thin crop may result in less effective wild oats (black oats) control due to decreased competition. On irrigated crops, apply MATAVEN 90 when crop and wild oats (black oats) are actively growing (usually 7-10 days after irrigation). Where dense upright growth of wild oats (black oats) occurs, spray coverage may be insufficient to gain adequate control. Under stress conditions a transitory yellowing of the sprayed crop may be noticed.

Use of MATAVEN 90 for selective spray topping is aimed at reducing the weed seed bank and managing future weed populations. For more information, refer to the product information brochure and the product information bulletin.

### METHOD OF APPLICATION

MATAVEN 90 may be applied by a ground boom sprayer or from aircraft. Wash spraying equipment out thoroughly with water and a detergent such as Teepol<sup>®</sup> all purpose Detergent. Spray out, calibrate and set boom (on ground rig) at the correct height before adding the chemical.

**(i) Mixing:** For ground application, measure out required quantity of MATAVEN 90 and add to the required volume of water in the spray tank. Agitate water or stir with a clean rod while adding MATAVEN 90. For aerial application, partly fill the aircraft hopper with water, add the required quantity of MATAVEN 90 and top-up to required volume. Where MATAVEN 90 is pre-mixed before addition to the aircraft hopper, the spray mixture should be agitated prior to being pumped into the aircraft.

#### **(ii) Application:**

**Ground Application:** Calculate the area to be sprayed with the tank load and add the correct amount of product to the water in the spray tank. Apply MATAVEN 90 at spray volumes of 30-100 litres per hectare with spray equipment producing MEDIUM spray droplets according to the ASAE S572 for standard nozzles.

**Aerial Application:** Any fixed-wing aircraft, properly calibrated, may be used to apply MATAVEN 90. Apply MATAVEN 90 at spray volumes of 20-30 litres per hectare preferably 30 litres with spray equipment producing MEDIUM spray droplets according to the ASAE S572 for standard nozzles.

### RESISTANT WEEDS WARNING

## GROUP K HERBICIDE

Nufarm MATAVEN 90 Herbicide 'MATAVEN 90' is a member of the diverse action site group of herbicides. MATAVEN 90 has the inhibition of cell elongation mode of action. For weed resistance management, MATAVEN 90 is a Group K herbicide. Some naturally-occurring weed biotypes resistant to MATAVEN 90 may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if this herbicide is used repeatedly. These resistant weeds will not be controlled by MATAVEN 90. Since the occurrence of resistant weeds is difficult to detect prior to use, Nufarm Australia Limited accepts no liability for any losses that may result from the failure of MATAVEN 90 to control resistant weeds.

### COMPATIBILITY

MATAVEN 90 can be mixed with Glean but should not be mixed with any other chemical. Do NOT apply 2, 4-D, MCPA or other phenoxyacetic acid type herbicides within 10 days before or after the application of MATAVEN 90. MATAVEN 90 is compatible with adjuvants, Bonza and Uptake. Do NOT allow MATAVEN 90 and oil mixtures to stand for prolonged periods before application.

### PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

MATAVEN 90 can cause damage to oats, barley, linseed and canola through spray drift. MATAVEN 90 can reduce crop height in selective spray topping use but yield will not be adversely affected. Do NOT apply under weather conditions, or from spraying equipment, which may cause spray drift onto nearby susceptible plants/crops, cropping lands or pasture.

### PROTECTION OF LIVESTOCK, WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Do NOT contaminate streams, rivers or waterways, with the chemical or used container.

### STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. Do NOT store for prolonged periods in direct sunlight. Protect product from frost. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do NOT dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill

is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should NOT be burnt.

**SAFETY DIRECTIONS**

Harmful if swallowed. May irritate the eyes and skin. Avoid contact with eyes and skin. Wash hands after use.

**FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If swallowed, do not induce vomiting. Give a glass of water.

**MATERIAL SAFETY DATA SHEET**

For further information refer to the Material Safety Data Sheet (MSDS), which can be obtained from your supplier or the Nufarm website - [www.nufarm.com.au](http://www.nufarm.com.au)

**CONDITIONS OF SALE**

“Any provisions or rights under the Trade Practices Act 1974 or relevant state legislation which cannot be excluded by those statutes or by law are not intended to be excluded by these conditions of sale. Subject to the foregoing, all warranties, conditions, rights and remedies, expressed or implied under common law, statute or otherwise, in relation to the sale, supply, use or application of this product, are excluded.

Nufarm Australia Limited and/or its affiliates (“Nufarm”) shall not accept any liability whatsoever

(including consequential loss), or howsoever arising (including negligence) for any damage, injury or death connected with the sale, supply, use or application of this product except for liability which cannot be excluded by statute.”

® Mataven is a registered trademark of BASF  
™ Bonza is a trademark of Nufarm Australia Limited



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

Batch No.:

Date of Manufacture:

APVMA Approval No.: 58874/20L/0707

