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

# PREDRILL

## 500 HERBICIDE

ACTIVE CONSTITUENT: 500 g/L TRIALLATE  
SOLVENT: 471 g/L LIQUID HYDROCARBON

GROUP **J** HERBICIDE

*For the control of Wild oats in Wheat, Triticale, Chickpeas, Barley, Peas, Linseed, Lupins, Canola (Rapeseed), Faba beans and Safflower as per Directions for Use.*

**IMPORTANT: READ THIS BOOKLET BEFORE USING THIS PRODUCT**

APVMA Approval No: 67102/55210



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**DIRECTIONS FOR USE IN ALL STATES**

Crop	Weed Controlled	Rate L/ha	Critical Comments
Barley, Triticale, Wheat	Wild Oats	1.6 L	Apply immediately prior to or up to 3 weeks before sowing to a friable seedbed under conditions which will allow for the incorporation of the product to a depth of 2 to 4 cm with either a single or double pass of suitable incorporation equipment (see incorporation). A delay of 1 week between application and planting is recommended for Linseed.
Chickpeas, Faba beans, Lupins, Peas			<b>COMPLETE AND UNIFORM INCORPORATION OF PREDRILL 500 IS ESSENTIAL FOR WEED CONTROL.</b> See GENERAL INSTRUCTIONS for details at incorporation.
Linseed, Canola, Safflower			PREDRILL 500 may be used in crops undersown with legumes. For shallow-sown legume and oil seed crops, complete incorporation by cultivation to a depth of 5cm must be undertaken before planting. PREDRILL 500 may be tank mixed with Chlosum 750 or Tron 750 for control of annual ryegrass, parodoxa grass and certain broadleaf weeds prior to planting of wheat only. PREDRILL 500 may be tank mixed with Trifluralin 480 for control of annual ryegrass, annual phalaris, parodoxa grass, enhanced control of wild oats (emerging from top 1cm of seedbed) and wireweed. Do not apply less than 1 week prior to planting of wheat, barley, triticale and linseed (do not use the tank mix in Qld). Incorporation of this tank mix should be within 4-5 hours of application. Refer to the Trifluralin 480 label incorporation details. Read and follow label instructions, restraints, plant-back periods and safety directions for tank mix products.

**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

**WITHHOLDING PERIOD - GRAZING**

Cereal Forage: DO NOT graze or cut for stockfood for 11 weeks after application  
Oilseed Forage: DO NOT graze or cut for stockfood for 13 weeks after application  
Pulse Forage: DO NOT graze or cut for stockfood for 13 weeks after application

## **GENERAL INSTRUCTIONS**

### **WEED CONTROL**

PREDRILL 500 HERBICIDE normally provides 6 to 8 weeks control of wild oats when the seedbed is moist during the emergence of wild oats. Under very dry soil surface (top 2cm) conditions, wild oats may not be controlled.

Wild oats may emerge between application and complete incorporation by sowing particularly if initial incorporation is provided by harrows. PREDRILL 500 HERBICIDE may not control wild oats which have germinated at the time of application and incorporation if the top 2 cm of soil is dry. PREDRILL 500 HERBICIDE will not control emerged wild oats.

### **CROP SAFETY**

Reduced emergence of cereals and linseed may occur if seed is placed in treated soil layer. Do not plant cereal crops at greater than 5 to 7 cm.

Overspraying of headlands or corners may result in crop damage. On heavy clay soils, crop thinning may occur in wheel tracks. Environmental conditions which adversely affect emergence or early crop growth, may predispose crops to injury, particularly where tank mixes with other pre-emergence herbicides are used.

Read and follow label directions, restraints, plant-back periods and safety directions for tank mix products.

### **SOIL PERSISTENCE AND FOLLOWING CROPS**

Under prolonged and extremely dry conditions PREDRILL 500 may persist for several months. Damage to field oats and sorghum may occur.

### **MIXING**

PREDRILL 500 Herbicide is an oily concentrate that mixes readily with water. Add the required amount of PREDRILL500 to half the required amount of water in the spray tank. Mix thoroughly and add the remaining water.

### **APPLICATION**

Apply to soil in friable condition so that uniform incorporation of the product can be achieved to a depth of 2 to 4 cm. The soil should be free of large clods (>75 mm) and should not have crop or weed residue at a level which will interfere with the free flow of soil through planting equipment providing full soil disturbance. Emerged wild oats should be controlled either by prior cultivation/application of a knockdown herbicide or by the tank mixing of a knockdown herbicide with PREDRILL 500.

Apply PREDRILL 500 by ground sprayer in 30 to 100 litres of water per hectare using a boomspray fitted with flat fan nozzles. Use spraying pressure of approximately 200-240kPa. Avoid application under strong and/or gusty wind conditions.

DO NOT apply by aircraft.

### **INCORPORATION**

Two pass incorporation provides superior weed control to single pass incorporation on heavier textured soils.

- (i) PREDRILL 500 may be incorporated initially in a suitable cultivated seedbed with either heavy 5 row harrows e.g. Phoenix harrow, or tined cultivator. Final incorporation with a combine or airseeder/cultivator is essential to provide for maximum weed control. Heavy tined harrows or a rotary harrow should trail the planter or follow as a separate operation at an angle to the planter to complete incorporation. Ensure that the soil surface is left free of pronounced ridging.
- (ii) On soils in friable condition, PREDRILL 500 may be incorporated with the planting operation only up to 24 hours following application onto a dry soil surface or up to 6 hours on moist surface soil. If PREDRILL 500 has been sprayed on dry soil, and it rains before incorporation is planned, the product must be incorporated within 6 hours to retain its herbicide effectiveness. Planting should be carried out with a combine or airseeder/cultivator which provides full soil disturbance. Heavy tined harrows or a rotary harrow should trail the planter or follow as a separate operation to complete incorporation. Ensure that the soil surface is left free of pronounced ridging.

Do not operate incorporation equipment at greater than 5 to 7 cm depth.

Where soil is wet at planting, poor incorporation may result. For shallow-sown legume and oil-seed crops, complete incorporation by cultivation to a depth of 5 cm must be undertaken before planting.

Note that point size should be matched to tyne spacing to avoid uneven incorporation. For example, a wideline seeder with 15 cm tyne spacing should be fitted with unworn 15 cm points. A combine with 9 cm spacing should be fitted with an evenly worn set of 10 cm points. Sweeps or other low profile points may not provide satisfactory incorporation.

### **COMPATIBILITY**

PREDRILL 500 is compatible with: Chlorsun 750, Tryon 750, Trifluralin 480, Glyphosate, Yield and Monza. .

#### RESISTANT WEEDS WARNING

**GROUP J HERBICIDE**

PREDRILL 500 HERBICIDE is a member of the thiocarbamate group of herbicides. PREDRILL 500 HERBICIDE has the inhibition of mitosis mode of action. For weed resistance management PREDRILL 500 HERBICIDE is a Group J herbicide.

Some naturally occurring weed biotypes resistant to PREDRILL 500 HERBICIDE and other Group E herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These weeds will not be controlled by PREDRILL 500 HERBICIDE or other Group J herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Grow Choice Pty Ltd accepts no liability for any losses that may result from the failure of PREDRILL 500 HERBICIDE to control resistant weeds.

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

DO NOT apply under weather conditions, or from spraying equipment that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures.

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

Dangerous to fish. Do not contaminate dams, rivers or streams with PREDRILL 500 or used containers.

#### STORAGE AND DISPOSAL

Store in the closed original container, in a cool well ventilated area. DO NOT store for prolonged periods in direct sunlight.

This container can be recycled if it is clean, dry, free of visible residues and has the *drumMUSTER* logo visible. Triple or preferably pressure rinse containers before disposal. Dispose of rinsate by adding it to the spray tank. DO NOT dispose of undiluted chemical on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any *drumMUSTER* collection point or similar container management program site. The cap should not be replaced but may be taken separately.

If not recycling, break, crush, or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. Do not burn empty containers or product.

**For REFILLABLE containers (110L, 1000L):** Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

**SAFETY DIRECTIONS**

Harmful if inhaled or swallowed. Will irritate the eyes and skin. Repeated exposure may cause allergic disorders. Do not inhale vapour or spray mist. Avoid contact with eyes and skin. When opening the container and mixing and preparing spray, wear cotton overalls buttoned to the neck and wrist, washable hat, elbow-length PVC gloves, goggles and half face-piece respirator. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist. If product on skin, immediately wash area with soap and water. If product in eyes wash out immediately with water. Wash hands after use. After each day's use, wash gloves, face shield or goggles and respirator.

**FIRST AID**

If poisoning occurs, contact a Doctor or Poisons Information Centre (Phone Australia 13 11 26)  
If swallowed, DO NOT induce vomiting. Give a glass of water. Avoid giving alcohol.

**MATERIAL SAFETY DATA SHEET**

For further information, refer to the Material Safety Data Sheet (MSDS) which is available from the supplier.

**NOTICE TO BUYER**

Grow Choice Pty. Ltd. will not be held liable for any loss, injury or damage, indirect or consequential, arising from the sale, supply, use or application of this product. The product is not to be used for any purpose or in any way contrary to label instructions.



