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

Apparent 

Sci-Fi 500 SC

HERBICIDE

ACTIVE CONSTITUENT: 500g/L ETHOFUMESATE

GROUP 15 HERBICIDE

For selective weed control in beet crops, certain non-crop areas, onions, oilseed poppies, ryegrass pastures and seed crops and established turf as specified in the Directions for Use table.

IMPORTANT: Read this booklet before use.

APVMA Approval No: 89045/123486

AIRR APPARENT PTY LTD
15/16 Princes Street, Newport NSW 2106
P 03 5820 8400 | E enquiries@apparentag.com.au | www.apparentag.com.au

Directions for Use

Restrictions

DO NOT apply if rain is imminent or falling.

DO NOT rotate with crops other than beet crops for 6 months after application.

CROP OR SITUATION	WEEDS CONTROLLED	STATE	RATE
Beet crops e.g. beetroot, fodder beet, mangolds, sugar beet	Barley Grass, Chickweed, Cleavers, Fat-hen, Fumitory, Prairie Grass, Redshank (<i>Amaranthus</i> spp.), Shepherd's Purse, Summer Grass, Winter Grass, Wireweed	Qld, NSW, ACT, Vic, Tas, SA only	4 or 6L/ha
			2L plus 5L Betanal*/ha
Oilseed poppy	Barley Grass, certain broadleaved and grass weeds particularly Clovers, Cruciferous Weeds, Fat-hen, Fumitory, Winter Grass, Wireweed	Tas only	400mL to 2L/ha
Onions	Barley Grass, certain broadleaved and grass weeds, Clovers, particularly Cruciferous Weeds, Fat-hen, Fumitory, Winter Grass, Wireweed	Tas only	600mL to 1.2L/ha
			1L to 1.2L plus 2.8kg active constituent chlorpropham/ha
Ryegrass pasture and seed crops also, Non-Crop areas (stock camps, tree plantations, fence lines)	Barley Grass, Cleavers, emerged Brome Grass, seedling Chickweed, Shepherd's Purse, Storksbill, Winter Grass	Vic, Tas only	3L/ha
			4L/ha
			300mL per 100L water

WHP	CRITICAL COMMENTS
-	<p>Pre-emergence: Apply before weeds or crop emerge, either pre or post-sowing of crops. Use high rate on heavy soil or where <i>Amaranthus</i> spp., Prairie Grass or Wireweed are a problem. DO NOT re-treat area at these rates.</p> <p>Post-emergence: Crop stage: Apply at 2 to 4 leaf stage. Weed stage: Apply when weeds are no larger than 2-4 leaf stage, either as a band spray or overall application. DO NOT spray beets using high pressure. DO NOT spray beet crops when foliage is wet.</p>
-	The range of control is extended with spray programs in combinations with asulam, diclofop-methyl and diquat as recommended by poppy contracting companies or the Department of Primary Industry. DO NOT add wetting agent.
13 weeks	<p>Apply after 2 leaf stage of crop. DO NOT add wetting agent. Follow up with spray programs using alternative herbicides as recommended by the Department of Primary Industry, or contracting companies for use in onions.</p> <p>This mixture and follow-up spray programs with alternative herbicides should be used according to recommendations by the Department of Primary Industry or contracting companies. Apply after 2-leaf stage of crops. DO NOT add wetting agent to Apparent Sci-Fi 500 SC Herbicide.</p>
7 days	<p>Apply (April-July) to moist soil after main germination of Barley Grass. DO NOT apply once Barley Grass reaches green flowerhead stage. DO NOT treat pastures where clover production is important.</p> <p>Use this rate when:</p> <ol style="list-style-type: none"> 1. Annual rainfall is 250 – 750mm. 2. Barley Grass is at very early growth stage (April to May). 3. Pasture has been closely grazed (less than 5cm high). 4. Soil is low in organic matter (less than 10%). 5. There is a high proportion of ryegrass in pasture. <p>Use this rate when:</p> <ol style="list-style-type: none"> 1. Annual rainfall exceeds 750mm. 2. Barley grass is at early vegetative growth stage (April-July). 3. Pasture has been closely grazed (5-10cm high). 4. Dung accumulation is present. <p>Spot Treatment: Apply by handgun or knapsack sprayer. Thoroughly wet vegetation.</p>

CROP OR SITUATION	WEEDS CONTROLLED	STATE	RATE
Established turf; bent grasses (including brown top bent), Kentucky blue-grass, kikuyu, Queensland blue couch, ryegrass	Winter Grass (<i>Poa annua</i>)	NSW, ACT, Vic, Tas, SA, WA only	800mL in 400 to 600L water/ha OR 8mL in 4 to 6L water per 100m ²

WHP	CRITICAL COMMENTS
DO NOT GRAZE OR FEED TO ANIMALS	Apply first application one month before main autumn germination (i.e. apply in February to April but up to May in northern NSW). Repeat at monthly intervals for 3 to 4 months. In dry conditions, watering will improve residual action. After spraying, wait at least 12 hours before watering. Avoid flooding or ponding of treated turf. Preferably mow immediately before spraying, or leave as long as possible after spraying before next mowing (1 to 2 weeks if practicable). Water volume is not critical but avoid excessive overlapping and dripping from spray equipment onto turf. DO NOT add other herbicides or surfactants to this product for this use unless specifically recommended.

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

WITHHOLDING PERIODS:

ONIONS: DO NOT HARVEST FOR 13 WEEKS AFTER APPLICATION

RYEGRASS, PASTURE AND SEED CROPS: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION

TURF: DO NOT GRAZE TREATED AREAS OR FEED LAWN (TURF) CLIPPINGS FROM TREATED AREAS TO ANIMALS, INCLUDING POULTRY

GENERAL INSTRUCTIONS

The product is a pre- and post-emergence herbicide for control of certain broad-leaved weeds and grasses. For post-emergence applications, weeds should be at the seedling to 4 leaf stage. Prior to sowing any follow-up crops other than beet or ryegrass, those areas previously treated should be thoroughly tilled (including ploughing).

- 1. BEET CROPS:** Slight foliage distortion to beet may occur following treatment. These effects are short-lived and do not affect crop yield. Pre-emergence treatment with this product may be followed by post-emergence application of Betanal* or a mixture of both.
- 2. USE OF Apparent Sci-Fi 500 SC Herbicide IN MIXTURE WITH BETANAL ON BEET CROPS:** Before using this mixture carefully read the Betanal label; note warning about use in temperatures above 30°C. For best results the interval between treatment and subsequent rainfall or irrigation should be at least six hours. In Tasmania, this treatment should follow the use of a pre-emergence herbicide. This mixture is recommended to provide a wider spectrum of post-emergence weed control and longer residual activity than Betanal used alone. Weeds controlled include additional weeds listed on the Betanal label.
- 3. RYEGRASS:** This product will reduce clover stands by 40-60%. For best control of barley grass, apply to closely grazed pasture (3-5cm high). Raw organic matter can reduce efficacy and retreatment may be necessary. Remove organic litter and harrow large dung pats before application. In areas of dense Barley Grass, drill or oversow with ryegrass as soon as possible after treatment.
- 4. TURF:** This selective herbicide should be applied before, or early after germination or emergence of Winter Grass (*Poa annua*) when it occurs in fine turf situations. It is selective in Ryegrass, Fescues, Kentucky Bluegrass, Queensland Blue Couch, Kikuyu, Bent Grasses (including brown top bent) and couch, when applied as directed. Applications are made at monthly intervals for 3-4 months to control winter grass gradually, while allowing the desirable turf grasses to take over without unsightly bare patches of dead Winter

Grass. Oversewing and reseedling should NOT take place within one month of spraying.

MIXING

Apparent Sci-Fi 500 SC Herbicide is a suspension concentrate which mixes easily in water. Prior to pouring, gently invert or roll container to ensure all active constituent is in suspension. Part-fill the spray tank with clean water. Add the correct amount of Apparent Sci-Fi 500 SC Herbicide and top up with water to the required level. Thorough agitation of the mixture is necessary before spraying. Mix only enough chemical for immediate use. When using a mixture of Apparent Sci-Fi 500 SC Herbicide and Betanal, half-fill spray vat with water then stir or agitate while adding the required quantities. Top up with water and stir again. Use as soon as possible after mixing.

DO NOT add other herbicides or surfactants unless specifically recommended.

APPLICATION

Boom Spray: Apply in a suitable volume of water to give good even coverage. When used pre-emergence, apply to moist soil surface. Ensure that the nozzles are set at the correct height to give even coverage i.e. 50-60cm above the pasture or crop. Use a nozzle and pressure combination to give a fine spray (200-300 kPa). Make sure nozzle tips are clean, undamaged and all the correct type and size. Impact nozzles or broadcast nozzle clusters should NOT be used.

DO NOT use filter gauzes finer than 0.3mm. After use, wash all equipment thoroughly with water containing liquid detergent. Spray out completely, then rinse twice with clean water. To allow air access, remove nozzles and open spray tank lid.

RESISTANT WEEDS WARNING

GROUP 15 HERBICIDE

Apparent Sci-Fi 500 SC Herbicide is a member of the Benzofuran group of herbicides. Apparent Sci-Fi 500

SC Herbicide is a herbicide with inhibitors of fat synthesis (not AACase inhibitors) mode of action. For weed resistance management Apparent Sci-Fi 500 SC Herbicide is a Group 15 herbicide. Some naturally-occurring weed biotypes resistant to Apparent Sci-Fi 500 SC Herbicide and other Group 15 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 resistant weeds will not be controlled by Apparent Sci-Fi 500 SC Herbicide e or other Group 15 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, AIRR Apparent Pty Ltd accepts no liability for any losses that may result from the failure of Apparent Sci-Fi 500 SC Herbicide to control resistant weeds.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

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

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with this product or the used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilate area. DO NOT store for prolonged periods in direct sunlight. It is recommended that the storage temperature never exceed 30°C. Triple rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm 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.

SAFETY DIRECTIONS

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; New Zealand 0800 764 766.

SAFETY DATA SHEET

Additional information is listed in the safety data sheet (SDS). A material safety data sheet for Apparent Sci-Fi 500 SC Herbicide is available from AIRR Apparent Pty Ltd on request.

CONDITONS OF SALE

AIRR Apparent Pty Ltd shall not be liable for any loss injury damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Apparent's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of AIRR Apparent Pty Ltd has any authority to add to or alter these conditions.