

5 x 1 kg BOX

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

FUSION[®] SUPER
WG HERBICIDE

PART 1: ACTIVE CONSTITUENT: 212 g/kg FLUAZIFOP-P
present as the butyl ester

PART 2: ACTIVE CONSTITUENT: 250 g/kg BUTROXYDIM

5 x 1 kg measure packs each containing 0.620 kg Part 1 and 0.380 kg Part 2

GROUP	A	HERBICIDE
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For the control of certain grasses in crops as per the directions for use.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE

CONTAINS 5 X 1 KG MEASURE PACKS WHICH
IT IS ILLEGAL TO SELL SEPARATELY

NET CONTENTS: 5 X 1 kg

Crop Care Australasia Pty Ltd, 77 Tingira Street, Pinkenba QLD 4008

STORAGE AND DISPOSAL

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Shake bag contents into spray tank until the bag is empty. Do not dispose of undiluted chemicals on-site. Puncture or shred 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. Will irritate the eyes and skin. When handling granules avoid contact with eyes and skin. Avoid inhaling dust. When preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

MATERIAL SAFETY DATA SHEET

Additional Information is listed in the Material Safety Data Sheet.

Conditions of sale

Crop Care Australasia Pty Ltd will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply or use of these goods other than responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of Crop Care Australasia Pty Ltd is limited to the replacement of the goods or (at the option of Crop Care Australasia Pty Ltd) the refund of the price paid and where possible sufficient part of the goods to enable proper examination being returned to Crop Care Australasia Pty Ltd within thirty days of delivery.

In a Transport Emergency Dial 000 Police or Fire Brigade	SPECIALIST ADVICE IN AN EMERGENCY ONLY 1800 033 498 ALL HOURS – AUSTRALIA WIDE
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'Fusion' is a Registered Trademark of Syngenta Ltd.



Crop Care Australasia Pty Ltd
ACN 061 362 347
77 Tingira Street
PINKENBA QLD 4008
Ph : (07) 3867 9100

APVMA Approval No : 59039/5X1KG/0305

BN :

DOM :

1kg MEASURE PACK

POISON

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NET CONTENTS: 1 kg

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POISON

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PART 2

ACTIVE CONSTITUENT: 250 g/kg BUTROXYDIM

0.380 kg

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5 kg BOX

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1 x 5 kg measure pack containing 3.10 kg Part 1 and 1.90 kg Part 2

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3.10 kg

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PART 2

ACTIVE CONSTITUENT: 250 g/kg BUTROXYDIM

1.90 kg

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LABEL LEAFLET

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READ THIS LEAFLET BEFORE USING THE PRODUCT

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DIRECTIONS FOR USE (All States)

Restrains :

DO NOT treat weeds that are not actively growing or are growing under stress. Under such circumstances the biological processes of the weeds slow down and Fusion transport in the weed can be drastically reduced, resulting in an incomplete kill or suppression only of the weeds.

DO NOT allow annual grass weeds to reach the late tillering stage before application.

DO NOT apply at flowering stage of weeds.

DO NOT apply under conditions of high temperature, low humidity and where weeds are drought stressed.

CROP	WEEDS CONTROLLED	WEED STAGE	RATE /ha	CRITICAL COMMENTS
Chickpeas Faba beans Field peas Lentils Linseed Lucerne Lupins Vetches (<i>Vicia spp.</i>) White and Subterranean clover, Snail and barrel medic pastures	Annual ryegrass (<i>Lolium rigidum</i>) Wild oats (<i>Avena spp.</i>) Barley grass (<i>Hordeum spp.</i>) Annual phalaris (<i>Phalaris spp.</i>) Volunteer cereals ~ Wheat (<i>Triticum aestivum</i>) ~ Barley (<i>Hordeum vulgare</i>) ~ Oats (<i>Avena sativa</i>) ~ Triticale (<i>x Triticosecale</i>)	2 leaf to early tillering Zadoks 12-23	230 to 320 g *	Use the lower rates for younger weeds growing actively under ideal conditions. Use the higher rates for weeds that are predominantly at early tillering, or where denser populations are present or under less than ideal growing conditions. For all crops apply in not less than 50 L/ha.
	Brome grasses (<i>Bromus spp.</i>)		285 to 320 g*	
Canola (conventional, TT, "IMI" varieties)	Annual ryegrass (<i>Lolium rigidum</i>) Wild oats (<i>Avena spp.</i>) Barley grass (<i>Hordeum spp.</i>) Annual phalaris (<i>Phalaris spp.</i>) Volunteer cereals ~ Wheat (<i>Triticum aestivum</i>) ~ Barley (<i>Hordeum vulgare</i>) ~ Oats (<i>Avena sativa</i>) ~ Triticale (<i>x Triticosecale</i>)		210 g*	Warning : Canola can be sensitive to Fusion. DO NOT use more than 210 g/ha on canola. To minimise leaf symptoms do not apply to any variety before the majority of plants (80%) are at the true 4 leaf stage (4th leaf expanded, 5th leaf emerging). Under certain conditions, all varieties may exhibit leaf symptoms and/or reduced early competitiveness. If this occurs canola yield is usually unaffected but in some instances may be reduced. Avoid spraying stressed crops as crops growing under stress will show slower recovery. Avoid spraying practices that lead to over application such as double overlap, and spraying out corners.

* Always apply with Supercharge® at 1L/100L of spray solution OR DC Trate at 2L/100L of spray solution.

Note: Does NOT control winter grass (*Poa annua*), Silver grass (*Vulpia spp.*), Nutsedge (*Cyperus spp.*) and broadleaf weeds.

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

WITHHOLDING PERIODS

DO NOT GRAZE OR CUT FOR STOCK FOOD EARLIER THAN THE NUMBER OF DAYS OR WEEKS SHOWN AFTER APPLICATION:

CANOLA, LINSEED, LUPINS, LENTILS, LUCERNE, MEDICS, VETCHES, CLOVER	21 DAYS
FABA BEANS	5 WEEKS
CHICK PEAS, FIELD PEAS	7 WEEKS

DO NOT HARVEST THE FOLLOWING CROPS UNTIL THE NUMBER OF WEEKS SHOWN AFTER APPLICATION:

LUPINS, LENTILS	4 WEEKS
FABA BEANS	5 WEEKS
CHICK PEAS, FIELD PEAS	7 WEEKS
CANOLA, LINSEED	17 WEEKS

LIVESTOCK DESTINED FOR EXPORT MARKETS

The grazing withholding period only applies to stock slaughtered for the domestic market. Some export markets apply different standards. To meet these standards, ensure that **in addition** to complying with the grazing withholding period, the Export Slaughter Interval is observed before stock are sold or slaughtered.

EXPORT SLAUGHTER INTERVAL (ESI) - 4 DAYS

LIVESTOCK THAT HAS BEEN GRAZED ON OR FED TREATED CROPS SHOULD BE PLACED ON CLEAN FEED FOR 4 DAYS PRIOR TO SLAUGHTER. If more than 60 days has elapsed since application to the crop and removal of stock for slaughter, the 4 day ESI is not required.

GENERAL INSTRUCTIONS

Resistant Weeds Warning

Fusion Super WG Herbicide is a member of the Aryloxyphenoxypropionates (Fops) and Cyclohexanedione (DIM) group of herbicides. The product has the inhibitors of acetyl coA carboxylase mode of action. For weed resistance management, the product is a Group A herbicide.

Some naturally occurring weed biotypes resistant to the product and other Group A 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 this product or other Group A herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Crop Care Australasia Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant weeds.

Stress conditions

Moisture stress is a particular problem, whether caused by drought or short term stresses, resulting from a combination of high temperatures and low humidity or by prior use of pre-emergence herbicides resulting in stunted root growth of weeds. An irrigation or effective rainfall must occur immediately before or after spraying if these conditions exist. Other stress conditions to avoid include use of pre-emergence herbicides resulting in stunted root growth of weeds, frost, waterlogging and extended cold conditions. Do not spray if any stress conditions are evident just prior to application.

Mixing

Add all the contents of the required number of measuring packs (see table) directly to the spray tank which should be 50% full with clean water. After the product is fully dispersed complete filling the tank. The agitation system should be running during mixing and spraying. If agitation ceases and settling occurs resuspend contents thoroughly before spraying. Ensure that all in-line strainer and nozzle screens in the sprayer are 100 mesh or coarser.

Add any other product next.

Adjuvants are essential and should be added last to the spray tank.

Supercharge at 1L/100L of water or DC Trate at 2L/100L of water are the only recommended adjuvants.

The area covered per measure pack will depend upon the application rate/ha according to the following table:

Fusion Super Rate/ha	Hectares covered by					
	1 kg	2 kg	3 kg	4 kg	5 kg	10 kg
210 g	4.8	9.5	14.3	19	23.8	47.6
230 g	4.3	8.7	13	17.4	21.7	43.5
285 g	3.5	7	10.5	14	17.5	35.1
320 g	3.1	6.3	9.4	12.5	15.6	31.3

Application

Time of application

Fusion is rainfast within one hour. Do not apply Fusion if rain is expected within one hour. To obtain the maximum benefits of this product, weeds should be sprayed when young and actively growing. Use the lower rates for grasses with up to 4 leaves. Use the higher rates for weeds with up to 3 tillers.

Unless otherwise specified in the Critical Comments, application may be made at any stage of crop growth but allowing sufficient time for the prescribed withholding period.

Method of application

Good spray coverage is essential for maximum results. Spray equipment must be checked and calibrated accurately prior to application.

Boom spraying

Check height of boom above the target weeds to ensure the spray is evenly distributed and a double overlap pattern is obtained. An even distribution of droplets with no less than 50% of the spray volume in the 200-300 micron range is desirable.

Broadacre use

Water volumes per hectare will depend on nozzle selection and should be in the range of 50-100L/ha. 110° fan nozzles are preferred for use with this product. Use higher volumes of spray to achieve full coverage of dense, vigorous weed infestations.

Aerial application

The product may be applied through boom or Micronair units in 20-30L of water per hectare. The use of the higher volume is preferred due to more reliable results. Droplet size should be 200-250 microns and swath width should not be wider than recommended for type of plane and application unit. Weed control following aerial application may not be as good as from ground application.

Sprayer cleanup or decontamination

Before spraying sensitive crops (which include canola, chickpeas, faba beans, field peas, lupins, lucerne, clover etc) thoroughly remove all traces of Ally (metsulfuron methyl), Glean (chlorsulfuron) or Logran (triasulfuron) from mixing and spray equipment immediately after use as follows:

1. Drain tank, then flush tank, boom and hoses with clean water for a minimum of 10 minutes.
2. Fill the tank with water then add 300 mL fresh (less than 6 months old) household chlorine bleach (containing 4% chlorine) per 100 L of water. Flush through boom and hoses then allow to stand for 15 minutes with agitation engaged, then drain.
3. Repeat step 2.
4. Nozzles and screens should be removed and cleaned separately. To remove traces of chlorine bleach rinse the tank thoroughly with clean water and flush through hoses and boom.

Caution: Do not use chlorine bleach with ammonia. All traces of liquid fertilizer containing ammonia, ammonium nitrate or ammonium sulphate must be rinsed with water from the mixing and application equipment before adding chlorine bleach solution. Failure to do so will release a gas with a musty chlorine odour which can cause eye, nose and lung irritation. Do not clean equipment in an enclosed area.

Compatibility

The following recommendations are based on results from field and laboratory tests with Fusion plus 1% Supercharge. Compatibility is defined as acceptable physical mixing, nil or generally transient crop effect and grass control within 10% of that from Fusion alone. Performance of any tank mix will be better if the maximum rate of Fusion is used and

the weed growth stages are according to the label. Always refer to the label of the partner product for rates and any specific guidelines and restraints for the crop or situation.

Fusion is compatible with any one of the following herbicides for the crops specified :

Canola - Atradex[®], Atragranz[®], Simagranz[®], Lontrel[®]
Pasture, clover based (not brome grass) - Broadstrike[®], bromoxynil, Polo[®] (max rate 0.5 L/ha; some clover vigour reduction possible), Tigrex[®], Jaguar[®], Simagranz[®]

Fusion is compatible with any one of the following insecticides for the crops specified :

Pulses, canola, pasture – Dominex[®], Imidan[®], Karate[®] / Karate with Zeon[®] / Matador with Zeon[®] (lambda-cyhalothrin), Le-mat[®], Pirimor[®] WG (pirimicarb), Saboteur[®] (dimethoate), Supracide[®]

Fusion is compatible with any one of the following fungicides for the crops specified :

Pulses - Dithane[®] DF, Fortress[®] (procymidone)

Fusion is compatible with any one of the following trace elements for the crops specified :

Canola, pulses, pasture - EDTA chelates of Cu, Mn, Zn (such as Agrichem Supa range); sulphates of Cu, Mn, Zn (good quality, such as Agrichem Balance range)

Fusion is not compatible with Lorsban[®] (reduced grass weed control); Brodal[®] or Eclipse[®] (increased crop effect).

Do not tank mix Fusion plus Supercharge with more than one of the above products before doing a jar test beforehand. However physical compatibility does not guarantee biological compatibility. Do not tank mix with other products or minerals without reference to a Crop Care representative.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

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

DO NOT plant cereal crops for a period of 12 weeks after application of Fusion.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Highly toxic to algae and aquatic plants. DO NOT contaminate dams, rivers or streams with the chemical or used containers.

STORAGE AND DISPOSAL

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