

## NOTICE

### *Prosulfocarb*

#### **in the product: *BOXER GOLD HERBICIDE***

The Australian Pesticides and Veterinary Medicines Authority (APVMA) has before it an application from Syngenta Crop Protection Pty Ltd for registration of a new product containing the active constituent prosulfocarb in combination with another currently approved active S-metolachlor. The product, BOXER GOLD HERBICIDE, is for the control of annual rye grass and toad rush in barley and wheat.

In accordance with sections 12 and 13 of the Agvet Code, the APVMA invites any person to submit a relevant written submission as to whether the application for registration should be granted. Submissions should state the grounds on which they are based. Such grounds should relate only to matters outlined below that the APVMA is required to take into account in deciding whether to grant the application. Comments must be received by the APVMA within 28 days of the date of this notice.

#### **Particulars of Application**

Proposed Product Name:	BOXER GOLD HERBICIDE
Applicant Company:	Syngenta Crop Protection Pty Ltd
Active Constituents:	Prosulfocarb and S-metolachlor
Poisons Sheduling:	Schedule 5
Statement of Claims:	For the control of annual rye grass and toad rush in barley and wheat
Pack sizes:	20L - 1000L
Withholding Period:	Harvest: Barley, wheat: Not required when used as directed. Grazing/Stockfood: Barley, Wheat: DO NOT graze or cut for stockfood for 10 weeks after application.

#### **Summary of the APVMA's evaluation of *BOXER GOLD HERBICIDE* in accordance with Section 14(3)(e) and (f) of the Agricultural and Veterinary Chemicals Code (the 'Agvet Code'), scheduled to the *Agricultural and Veterinary Chemicals Code Act 1994***

The APVMA has evaluated the application and in its assessment in relation to human and environmental safety under section 14(3)(e) of the Agvet Code, it proposes to determine that:

- (i) The APVMA is satisfied that the proposed use of BOXER GOLD HERBICIDE would not be an undue hazard to the safety of people exposed to it during its handling and use.

The Department of Health and Ageing, Office of Chemical Safety (Occupational Health and Safety) [OCS (OHS)] section has conducted a risk assessment on BOXER GOLD HERBICIDE and concluded that it can be used safely.

Prosulfocarb has displayed low acute oral toxicity in mice, low dermal toxicity in rabbits and low inhalational toxicity in rats. It is not a skin and eye irritant in rabbits but is a skin sensitiser in mice.

The product, BOXER GOLD HERBICIDE, is a moderate skin irritant and is not a skin sensitiser.

Personal protective equipment statements for the Safety Directions of BOXER GOLD HERBICIDE have been recommended by the OCS (OHS) section, and have been included on the draft label.

The APVMA has considered the findings of the OCS (OHS) evaluation accepts these recommendations.

- (ii) The APVMA is satisfied that the proposed use of BOXER GOLD HERBICIDE will not be an undue hazard to the safety of people using anything containing its residues.

Residues data were assessed by the APVMA and Maximum Residue Limits (MRLs) and associated Withholding Periods (WHPs) are recommended for Boxer Gold Herbicide when used on barley and wheat.

The application rates for S-metolachlor in Boxer Gold Herbicide are equivalent to those already approved. Consideration of the residue aspects of S-metolachlor are not required under this application.

Based on the data provided, the existing residue definition for prosulfocarb of parent only remains appropriate.

The recommended WHPs for Boxer Gold Herbicide are stated on the draft label. The WHP for the harvest of barley and wheat grain are “Not required when used as directed” and for the forage and fodder of barley and wheat “DO NOT graze or cut for stockfood for 10 weeks after application.

Prosulfocarb MRLs are recommended for barley, (\*0.01 mg/kg), wheat (\*0.01 mg/kg), edible offal (mammalian) (\*0.02 mg/kg), eggs (\*0.02 mg/kg), meat (mammalian) (\*0.02 mg/kg), milks (\*0.02 mg/kg), poultry, edible offal (\*0.02 mg/kg), poultry, meat (\*0.02 mg/kg), barley straw and fodder, dry (\*0.01 mg/kg), barley forage, green (\*0.01 mg/kg), wheat straw and fodder, dry (\*0.01 mg/kg), barley forage, green (\*0.01 mg/kg). [\* Denotes the MRL has been set at the limit of quantitation (LOQ)]

- (iii) The APVMA is satisfied that the proposed use of the active constituent prosulfocarb in BOXER GOLD HERBICIDE is not likely to be harmful to human beings if used according to the product label directions.

The APVMA has evaluated and proposes to approve the active constituent, prosulfocarb, and finds that the chemistry and manufacturing details of the product are acceptable. The proposed product has been assessed by the National Drugs and Poisons Scheduling

Committee and has been included in Schedule 5 of the SUSDP. The appropriate Signal Heading appears on the label. First Aid and Safety Directions (hazard statements) for prosulfocarb and BOXER GOLD HERBICIDE have been recommended by the Commonwealth Department of Health and Ageing, OCS (toxicology) section, and have been included on the label.

The product is formulated in Australia and will be packed in HDPE containers. BOXER GOLD HERBICIDE is determined to be a hazardous substance, based on NOHSC hazard classification of active and non-active constituents and product toxicology information provided.

The APVMA has considered the findings of its advisers on this criterion and accepts their recommendations.

- (iv) The APVMA is satisfied that the proposed use of the product BOXER GOLD HERBICIDE containing the new active constituent prosulfocarb, would not be likely to have an unintended effect that is harmful to animals, plants or things or to the environment.

The Department of the Environment and Water Resources (DEW) has assessed data in support of the proposed use and has concluded that the risks to the environment from the proposed use are acceptable.

Prosulfocarb is stable to hydrolysis and moderately stable to photolysis in soils and water. It is expected to be relatively immobile in soils, and highly persistent in aquatic anaerobic sediments, where residues deposited to water may partition. The degradation of prosulfocarb and its sulfoxide metabolite in soils is relatively rapid. Field dissipation studies indicate that prosulfocarb is unlikely to leach into ground. It has limited potential to bioaccumulate in aquatic organisms.

Prosulfocarb is of low toxicity to terrestrial vertebrates. It is not expected to affect terrestrial invertebrates and soil micro-organisms at the proposed application rate. However, it is moderately to highly toxic to aquatic organisms, in particular daphnia and algae, and being a herbicide exhibits phytotoxic effects to terrestrial plants.

The aquatic risk arising from spray drift and run-off from the proposed ground application should be acceptable provided the draft label is amended to include the statement 'Highly toxic to aquatic organisms'.

The APVMA has considered the findings of DEW and accepts its recommendations on this criterion.

- (v) The APVMA is satisfied that the proposed use of Boxer Gold Herbicide would not unduly prejudice trade and commerce between Australia and places outside of Australia as per section 14 (3)(e)(iv) of the Agvet Codes.

Quantifiable residues of prosulfocarb are not anticipated in any commodity treated directly with Boxer Gold Herbicide, or in livestock commodities following the feeding of treated commodities.

A determination of the potential for undue prejudice to trade or commerce should be made following the completion of the public consultation process. Any areas of concern and possible management strategies have been outlined in the Public Release Summary.

In relation to its assessment of efficacy under section 14(3)(f), the APVMA proposes to determine that:

- (vi) The APVMA is satisfied the data from trials supporting the efficacy of BOXER GOLD HERBICIDE adequately demonstrates that under local conditions this product will be effective for the proposed uses.

**Public Release Summary**

A Public Release Summary (PRS) of the evaluation is available by contacting Colin McCormack on telephone (02) 6210 4748. Written submissions on the APVMA's proposal to grant the application for registration should be addressed in writing to:

Jay Kottege  
Pesticides Program  
Australian Pesticides and Veterinary Medicines Authority  
PO Box E240  
KINGSTON ACT 2604

Phone: (02) 6210 4759

Fax: (02) 6210 4776

Email: [jay.kottege@apvma.gov.au](mailto:jay.kottege@apvma.gov.au)