



## ADVICE SUMMARY

### APPLICATION FOR REGISTRATION OF A CHEMICAL PRODUCT

**Product name:** TURF CULTURE SMACKDOWN HERBICIDE  
**Applicant:** TURF CULTURE PTY LTD  
**Product number:** 64135  
**Application number:** 47634

**Purpose of Application and Description of Use:** Registration of a 240 g/L Carfentrazone emulsifiable concentrate for the control of marshmallow and annual nettles in rough grass and turf areas; in the control of marshmallow and certain other broadleaf weeds, in commercial, industrial and public service areas, and around buildings and yards, in tank mixture with knockdown herbicides.

**Active Constituent(s):** CARFENTRAZONE-ETHYL

#### **Regulatory Decision:**

To grant the application subject to the following conditions:

#### **Standard Conditions of Registration/Approval**

1. Containers must meet AgVet Code Regulation 18
2. Agricultural products must meet Active Constituents Quality Assurance Requirements
3. Label must contain a Date of Manufacture and Batch Number

For full conditions, refer to [http://www.apvma.gov.au/advice\\_summaries/adv\\_summaries.shtml](http://www.apvma.gov.au/advice_summaries/adv_summaries.shtml).

#### **Non-Standard Conditions of Registration/Approval**

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### External Efficacy Reviewer

Three trials were conducted on turf in golf courses in Victoria and in NSW. Replicated randomized trials compared the product proposed for registration in combination with Turf Culture Coliseum Herbicide, and with Turf Culture Coliseum Herbicide alone. The products used were at concentrations equivalent to that recommended on the draft label.

The trial designs and experimental conditions were all appropriate. Appropriate statistical analyses were conducted on the data with suitable interpretation of results. The trials were replicated and adequate controls were included in all trials. Trials also simulated the conditions for product application as a herbicide to be used in the turf industry such as golf greens and driving ranges.

The trials presented information to support the application for registration of Smackdown Herbicide when added to the herbicide Turf Culture Coliseum for the control of winter grass and ryegrass in turf. The addition of Smackdown to Coliseum increased the speed with which visible symptoms of herbicide usage were observed. The product demonstrated to be safe to use at the recommended label rate of 75 mL/ha at a range of rates of Coliseum (75 to 240 g/ha). Slight increase in phytotoxicity was observed when the two herbicides were used in combination. This level of phytotoxicity was not considered to be of concern as the symptoms were transient.

### Data relied on to provide the advice

Data No	Data Source*	Author(s)	Title	Date	Data Type	Data Sub-type	Authorising Party	Inherited Application No.
4728	I	Lindsay Knight	Hammer - Adjuvants and Partners - Marshmallow Control	1/8/05	Efficacy and Safety	Efficacy	Nufarm Australia Limited	38266
32491	S	P Howat	Evaluation of Smackdown (carfentrazone) when added to Coliseum for the control of Perennial ryegrass ( <i>Lolium perenne</i> ) in a Sir Walter Buffalo turf driving range and determine turf safety	June 2008	Efficacy and Safety	Efficacy	Applicant	
32492	S	S Harvey	To evaluate TC-009 when added to TC-002 for the control of Wintergrass ( <i>Poa annua</i> ) in golf course fairways and establish the turf tolerance.	29 Sept 2008	Efficacy and Safety	Efficacy	Applicant	
32490	S	P Howat	Evaluation of Smackdown (carfentrazone) when added to Coliseum for the control of Winter grass ( <i>Poa annua</i> spp.) in couch and determine turf safety	April 2008	Efficacy and Safety	Efficacy	Applicant	
4729	I	Scott Paton	Mallow control in medic/grass pastures	1/8/05	Efficacy and Safety	Efficacy	Nufarm	38266

							Australia Limited	
4730	I	David Lonsdale	Hammer/Raptor Marshmallow Control	17 January 2005	Efficacy and Safety	Efficacy	Nufarm Australia Limited	38266

*\* S = Data submitted with the application*

*I = Data inherited (that is, referenced) from another application*