

★ ★ LET'S GET READY ★ ★
TO RUMBLE



★★
Smackdown NZ **vs.** ★★ Moss & ★★
★★ Broadleaf Weeds



12 ROUNDS



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£1.50

RINGSIDE
£5.00

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Smackdown NZ Moss & Broadleaf Herbicide

For the Control of Moss on Golf courses, Playing fields, Amenity areas and Lawns and to Improve the Control of hard-to-kill Broadleaf Weeds

Technical Brief

Active Ingredients:	240 g/L carfentrazone-ethyl
Chemical Family:	triazolinones
Mode of Action Group:	G
Formulation:	Emulsifiable Concentrate
Mode of Action:	Protoporphyrinogen oxidase (PPOs) inhibition
Behaviour in Plants:	<p><i>Moss Control</i>—Works by effectively inhibiting a key enzyme in moss chlorophyll production. It is so effective that it will reduce up to 90 percent of moss when applied twice at a 14-day interval.</p> <p><i>Broadleaf Weed Control</i>—Fast-acting, post-emergent contact herbicide that aids in the control of weeds through a process of membrane disruption. An application should target small, actively growing weeds. Subsequent germinations will not be controlled.</p>

Benefits

Moss Control

- Best moss control product in the world
- Control of moss all year round
- No re-seeding restrictions following applications (quickly replant/reseed and break the moss cycle)
- Controls 95% of all moss strains worldwide
- Will reduce up to 90 percent of moss when applied twice at a 14-day interval

Broadleaf Weed Control

- Ideal tank mix product with Bow & Arrow NZ Herbicide to improve broadleaf spectrum efficacy
- Improves broadleaf weed resistance management by having another mode of action in the tank
- Effective against hard-to-kill broadleaf weeds
- Suitable for use on broad acre areas such as turf farms, sporting fields, parks, ovals and fairways
- Very low application rates of active ingredient

How to get the most out of your application

Moss Control

Apply in a minimum of 800L of water per ha.

Do not mix with any other chemical / pesticide / fertilizer.

Best applied in overcast, dry conditions to avoid rapid evaporation.

Always re-apply 14 days after the first application.

Even spray coverage is essential for optimal performance (i.e. boom or knapsack sprayer).

Spray equipment preparation and cleaning is required before and after applications of Smackdown NZ Herbicide.

Broadleaf Weed Control

Follow and observe all label instructions and directions of the tank-mixed partner Bow & Arrow NZ Herbicide.

Apply in sufficient water to obtain complete coverage of all parts of the weeds (i.e. 400 to 800 L water/ha). Higher volumes (i.e. 800 L water/ha) should be used for severe weed infestations and higher cut turf (>15 mm) to ensure adequate spray coverage.

It is recommended that a non-ionic surfactant be added to the spray solution at 0.25 v/v ratio (250mL / 100 L water).

Good weed coverage with the spray mixture is essential for optimum weed control. Observe sprayer nozzles frequently during the spraying operation to ensure that the spray pattern is uniform.

Ensure that spray boom height for broadcast application does not exceed 50 cm above the leaf blades of the turf.

Restraints

DO NOT apply onto or into water.

DO NOT apply if rain is expected within 3 hours.

DO NOT allow spray to contact the foliage of wanted plants.

DO NOT apply to turf under stress.

DO NOT apply to newly sown/planted turf; only apply to established turf areas.

DO NOT tank mix with other pesticides when product used for moss control.

DO NOT tank mix with any type of fertiliser.

Weed Management

SITUATION	PURPOSE	RATE / TIME OF APPLICATION	CRITICAL COMMENTS
<p>For use on turf areas; such as golf courses, playing fields, amenity areas and lawns</p> <p>Turf varieties (as listed):</p> <p>Creeping Red Fescue (<i>Festuca spp.</i>)</p> <p>Chewings Fescue (<i>Festuca spp.</i>)</p> <p>Hard / Sheeps Fescue (<i>Festuca spp.</i>)</p> <p>Tall Fescue (<i>Festuca arundinacea</i>)</p> <p>Ryegrass (<i>Lolium spp.</i>)</p> <p>Kentucky Bluegrass (<i>Poa pratensis</i>)</p> <p>Bentgrass (<i>Agrostis spp.</i>)</p> <p>Winter Grass (<i>Poa annua</i>)</p> <p>Common Couch (<i>Cynodon dactylon</i>)</p> <p>Hybrid Couch (<i>Cynodon dactylon x Cynodon transvaalensis</i>)</p>	<p>For the control of Moss</p>	<p>500 mL / ha (5 mL / 100 square metres)</p> <p>A second application must be applied 14 days after the first application to obtain effective control</p>	<p>Apply with 800 – 1600 L of water per ha (e.g. 1000 L/ha gives 10 litres per 100 square metres).</p> <p>DO NOT tank mix with other pesticides (when product used for moss control).</p> <p>DO NOT use where Kikuyu is the desired species.</p> <p>Even spray coverage is essential for optimal performance (i.e. boom or knapsack sprayer).</p> <p>Spray equipment preparation and cleaning is required before and after applications of Smackdown NZ Herbicide.</p>
<p>For use on turf areas; such as golf courses, playing fields, amenity areas and lawns</p> <p>Turf varieties (as listed):</p> <p>Creeping Red Fescue (<i>Festuca spp.</i>)</p> <p>Chewings Fescue (<i>Festuca spp.</i>)</p> <p>Hard / Sheeps Fescue (<i>Festuca spp.</i>)</p> <p>Tall Fescue (<i>Festuca arundinacea</i>)</p> <p>Ryegrass (<i>Lolium spp.</i>)</p> <p>Kentucky Bluegrass (<i>Poa pratensis</i>)</p> <p>Bentgrass (<i>Agrostis spp.</i>)</p> <p>Winter Grass (<i>Poa annua</i>)</p> <p>Common Couch (<i>Cynodon dactylon</i>)</p> <p>Hybrid Couch (<i>Cynodon dactylon x Cynodon transvaalensis</i>)</p> <p>Kikuyu (<i>Pennisetum clandestinum</i>)</p> <p>Buffalo (<i>Stenotaphrum secundatum</i>)</p>	<p>To improve the control of hard-to-kill broadleaf weeds</p> <p>(and to broaden weed control spectrum)</p>	<p>25 - 75 mL / ha plus the recommended rate of 'Turf Culture Bow & Arrow NZ Herbicide'</p> <p>Apply to seedlings at 2-10 leaf stage</p>	<p>Use the lower rates on younger plants or plants growing under good conditions and the higher rates on older plants or plants growing under less optimum conditions. To improve the control of larger weeds and to broaden weed control spectrum, Smackdown NZ Herbicide can be tank mixed with:</p> <p>Turf Culture Bow & Arrow NZ Herbicide.</p> <p>The addition of Smackdown NZ Herbicide to the above product will increase the speed at which treated weeds develop visible symptoms (compared to results achieved without Smackdown NZ Herbicide) and hasten the weed death.</p> <p>Always add non-ionic surfactant (1000 g/L – non buffering type) at 250mL/100 L (0.25 % v/v) of final spray volume. The addition of crop oil concentrate may result in crop injury.</p> <p>If transient discolouration occurs when using Turf Culture Bow & Arrow NZ Herbicide on Kikuyu (<i>Pennisetum clandestinum</i>), Carpet grass (<i>Axonopus affinis</i>, <i>Axonopus compressus</i>), Queensland Blue Couch (<i>Digitaria didactyla</i>) or Buffalo (<i>Stenotaphrum secundatum</i>) then the use of this product may worsen the discolouration experienced.</p> <p>It is recommended that small areas be tested for turf safety before large-scale application occurs.</p>

Note: The above table represents only a modified extract from the full registered label. Always read the full product label before use.

Mixing and Compatibility

MIXING

DO NOT store spray mixtures overnight

Moss Control

Add half the required volume of water to spray tank and start agitation. Add the measured amount of Smackdown NZ Herbicide directly into the water, then add the balance of required water to spray tank. Maintain good agitation at all times until spraying is completed.

Broadleaf Weed Control

Add half the required volume of water to spray tank and start agitation. Add the partner product, Turf Culture Bow & Arrow NZ Herbicide, directly into the water, next add the measured amount of Smackdown NZ Herbicide directly into the water. Then add balance of required water to spray tank and add a non-ionic surfactant as suggested in the Critical Comments. Maintain good agitation at all times until spraying is completed.

COMPATIBILITY

As formulations of other manufacturer's products are beyond the control of Turf Culture Pty Ltd, and the quality of water may vary with location, all mixtures should be tested prior to mixing commercial quantities.

Moss Control

Smackdown NZ Herbicide should be applied alone when used for moss control as the active ingredient, carfentrazone-ethyl, can act as an accelerant when mixed with grass and broadleaf herbicides. The rate of Smackdown NZ Herbicide for moss control is far too high for tank mixing with other products.

Broadleaf Weed Control

Smackdown NZ Herbicide is compatible with Turf Culture Bow & Arrow NZ Herbicide. Smackdown NZ Herbicide is compatible with non-ionic surfactants. Always follow both product label instructions for the addition of surfactants.

Where to Buy ?

PGG Wrightson Turf



Packaging

Pack size: 1 L



Smackdown NZ Moss & Broadleaf Herbicide

www.turfculture.co.nz