The Cure For Your Poa

PoaCure

Your NEW weapon against an old enemy

- Slow acting for a smooth transition of fine surfaces
- Long residual
- Safe on cool and warm season grasses
- Works on all biotypes of Poa
- Works on resistant varieties
- Works in all differing climates
- New mode of action

®PoaCure is a registered trademark and product made by Moghu Research Center Ltd Korea

Moghu

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The Cure For Your Poa

PoaCure®

Wintergrass is one of the most difficult weeds to control due to its adaptable nature in Australia. It has been an issue in turf management for as long as anyone can remember and has been documented over 100 years ago by the USGA.

PoaCure is a revolutionary herbicide to control wintergrass (Poa) in recreational turf. PoaCure contains the active ingredient Methiozolin that has a mode of action and is unlike any other herbicide before it. (It is still unclassified). PoaCure is slow acting, long lasting and is able to reduce and eliminate wintergrass from your turf without disrupting your surface. PoaCure not only works on Poa annua, but also on all biotypes of Poa commonly found in Australia that have been difficult to control.

PoaCure can be used on all types of cool (except chewing fescue and brown top bent) and warm season grass surfaces including:

- Golf & bowling greens,
- Fairways,
- Surrounds & Approaches
- Tees,
- Sportsfields
- Turf farms
- Racetracks etc

Please Visit Our Dedicated PoaCure website for more information or see one of our agents

www.poacure.com.au

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PoaCure At A Glance

Product Type:
Herbicide

Resistance group:
Group 30 Herbicide
(Brand new mode of action)

Pack Size:
500mL (20 x 500mL per carton)

Active Constituent:
275g/L Methiozolin

Formulation:
Suspension concentrate (SC)

CROP and SITUATION	PEST	RATE	CRITICAL COMMENTS
Putting greens Bowling greens Fairways and Tees and surrounding areas. Playing fields	Winter grass (*Poa annua*)	18-35 mL/100m^2	Apply up to 4 applications at 2-4 week intervals. Application is best made during autumn or spring when turf is actively growing. Apply using backpack or ground boom sprayer. Irrigate with approximately 2mm of water immediately following application (as methiozolin is absorbed by grass roots), ensuring no runoff occurs from the turf surface. NOTE: Some phytotoxicity and/or decrease in turf quality may occur when applied repeatedly at a high rate, particularly in sensitive species such as Creeping Red Fescue (Festuca rubra) and Colonial Bentgrass (Agrostis capillaris [=tenuis]). If this occurs, avoid reapplying until turf quality has fully recovered.
NOT TO BE USED FOR ANY PURPOSE OR IN ANY MANNER CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION DO NOT GRAZE TREATED TURF OR LAWN, OR FEED TURF OR LAWN CLIPPINGS FROM ANY TREATED AREA TO POULTRY OR LIVESTOCK.			

Features of PoaCure

- Slow acting for a smooth transition of fine surfaces
- Long residual
- Safe on all surfaces*
- Works on all biotypes of Poa
- Works on resistant varieties
- Works in all differing climates

PoaCure killing poa not controlled by ALS Inhibitor herbicides

PoaCure Spay Application Timings

Below is a guide in timing applications to start and cease PoaCure during the year. Specific programs on timings and applications will be need to be discussed between Campbell Chemicals, the agent and the Turf manager to obtain optimum results as micro-climates can play apart as well as climatic conditions changing year to year.

PoaCure applications when to start and cease applications. All timings are based on minimum 4 applications regardless of rate chosen.				
Area/Climatic areas	**Golf & Bowling Greens (cool season)**	**Golf Fairways & Sportsfields (warm season)**	**Golf Fairways & Sportsfields (cool season)**	**Golf & Bowling Greens (couch)**
NSW				
Sydney Coastal Central Coast Newcastle	**Autumn** March- June **Spring** August-November	May-September	Generally similar timings to cool season turf greens. However is will vary talk to CCC for individual needs as seeding timings need to be taken into account.	May-September
Western Sydney	**Autumn** Late March- June **Spring** Mid August-November	May-September		May-September
Mid North Coast	April-October	May-September	May-August	May-September
South Coast	**Autumn** March-May **Spring** September-November	May-September	May-September	
Regional NSW inc Hunter region	Contact CCC as climate can greatly differ in areas	March-October	March-October	May-September
ACT				
Canberra	**Autumn** March- May **Spring** September-November	May-October	Generally similar timings to cool season turf greens However is will vary talk to CCC for individual needs as seeding timings need to be taken into account.	May-September
Victoria				
Melbourne Metro	**Autumn** Mid March- May **Spring** August (if bent starting to grow consistently) September-November	March-October	Generally similar timings to cool season turf greens. However is will vary talk to CCC for individual needs as seeding timings need to be taken into account.	May-September

Please note this is a rough guide and individual conditions will have to be taken into account
Nitrogen applications are paramount for a successful transition

PoaCure Spay Application Timings

Area/Climatic areas	Golf & Bowling Greens (cool season)	Golf Fairways & Sportsfields (warm season)	Golf Fairways & Sportsfields (cool season)	Golf & Bowling Greens (couch)
Regional Vic - Ballarat	**Autumn** February- April **Spring** September-December	March-October	Generally similar timings to cool season turf greens. However is will vary talk to CCC for individual needs as seeding timings need to be taken into account.	May-September
Regional - Murray Area	**Autumn** Mid March-May **Spring** September-November	March-October	Generally similar timings to cool season turf greens. However is will vary talk to CCC for individual needs as seeding timings need to be taken into account.	May-September
South Australia	**Autumn** Mid March-May **Spring** September-November	March-October	Generally similar timings to cool season turf greens. However is will vary talk to CCC for individual needs as seeding timings need to be taken into account.	May-September
WA				
Perth and south	Mid April- October	April-October	Generally similar timings to cool season turf greens. However is will vary talk to CCC for individual needs as seeding timings need to be taken into account.	May-September
TAS				
Tasmania	**Autumn** February- April **Spring** September-March (if bent starting to grow consistently)	n/a	October-March	n/a
QLD				
SE QLD	May-August	May-August	May-August	May-August

to determine best timings and course of action. If your areas is not mentioned please contact CCC.
throughout the PoaCure program and is to be applied separately to PoaCure.

PoaCure Frequently Asked Questions

How do I buy PoaCure?
Purchasing PoaCure is very different to the rest of our product range.
We will be selling PoaCure through our agents similar to "prescription medicine".

What is the purchase process for PoaCure?

- Initially fill out form on PoaCure.com.au website or talk to one of our distributors.
- A discussion between Campbells, Distributor and Turf Manager will be made on the goals and course of action.
- The aim is to start slowly as we will work with you to increase your treated area over time. At most, 1-2 bottles (approx 550m^2-1100m^2 coverage) as a program).
- If you decide to purchase you will only get what is agreed upon.
- Keep in communication over the time period. We may need to adjust rates and/or timings.
- As you get comfortable with the product and see what PoaCure can do for you we are keen to discuss a broader use -however we will continue discussions between CCC, Agent or and turf manager.

Can I still use my PGRs when using PoaCure
Only Trinexepac-ethyl (**Shadow Ultra**). We recommend ceasing Paclobutrazol (**Paclo 200SC**) and Ethephon at least 2 weeks before PoaCure program starts and wait until 4 weeks after PoaCure applications have ceased.

Can I use PoaCure all Year round?
We recommend PoaCure to be used in Autumn and Spring time mainly for best results. We DO NOT recommend PoaCure to be used in summer.

Can I use PoaCure if I have a lot of Poa in my greens
Simple answer YES. PoaCure has been successful in eliminating Poa from areas with over 50%infestation. However a careful management plan is needed here, as you will need to allow your bentgrass to cover over the dead patches.

Does PoaCure control all types of Poa
Essentially yes PoaCure will control annua and other biotypes. However, responses within biotypes can differ.

Safety aspects on turf?
One big advantage of PoaCure is the safety aspects across a wide variety of turf species with the exception of:

- Creeping Red Fescue
- Colonial bentgrass

Does frost effect PoaCure
No. However if heavy frosts and no growth is occurring we do not recommend any applications due to the increase bare areas after the poa has died

Are there any cautions I need to know?
Even though PoaCure is very safe and effective for controlling Poa, with any herbicide issues can arise. This is one reason we have implemented this process for the purchase of PoaCure.

We have a dedicated PoaCure website
Visit www.poacure.com.au

How extensively has PoaCure been tested in Australia.
Moghu Research conducted over 15 replicated independent trials for registration purposes across NSW, Victoria, South Australia and Western Australia on various turf species.

What is the story behind PoaCure?
PoaCure (Active Ingredient: Methiozolin) was discovered and developed by Moghu Research Center Ltd., Based in South Korea. Dr. Suk-Jin Koo founded Moghu Research Center in 2007 and developed PoaCure for poa control in recreational turf. PoaCure in Australia has been under development and extensively tested since 2012. It was first registered in South Korea in 2010.

How come I heard about PoaCure before but never saw it available?
PoaCure was granted a research permit in Australia in 2012 which has been current up until registration was granted. Only certain turf facilities were on the permit and could trial the product under guidance from Colin Campbell (Chemicals). PoaCure was fully registered mid 2020.

Where can I find trial work data outside of Australia
PoaCure.com Many world leading universities with reputable turf programs have tested PoaCure. For example, Auburn University, University of Tennessee, Penn State, North Carolina University, Virginia Tech and UC Riverside are among the many facilities to conduct comprehensive testing with PoaCure.

Where is PoaCure made and has it been used elsewhere.
PoaCure is made in South Korea. PoaCure is registered in USA. South Korea, Japan and Australia at the moment. Please talk to Moghu Research for other countries outside Australia and New Zealand.

Aim of trial (autumn applied): To determine if PoaCure can convert a high % poa surface back to bentgrass.
Treatments:

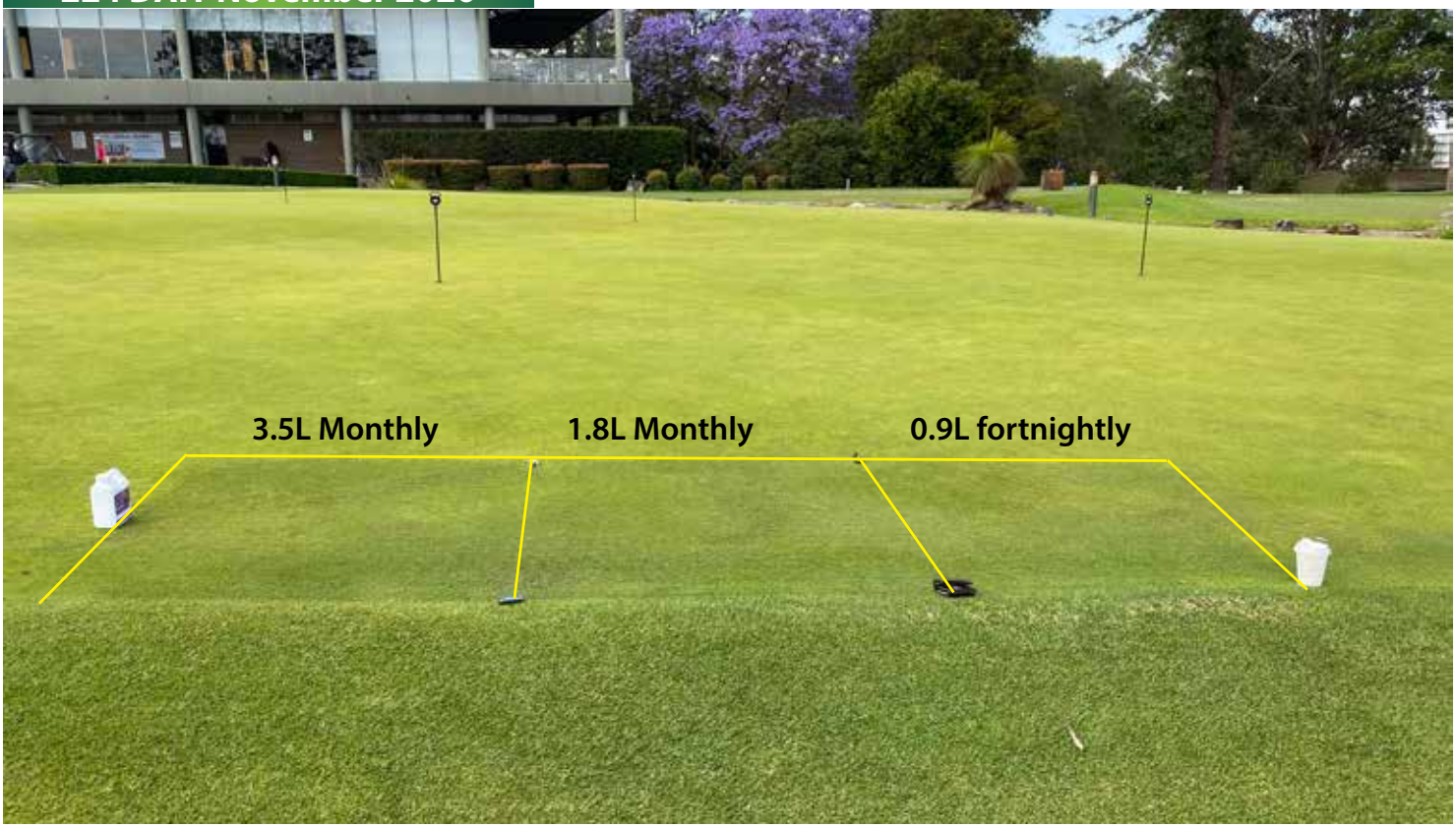
- 0.9L /ha fortnightly 2 weeks apart 8 applications (not labeled)
- 1.8L/ha monthly 4 applications
- 3.5L/ ha monthly 4 applications

Conclusion: PoaCure converted the area back to bentgrass quicker than anticipated without any damage to bent grass or surface disruption to golfers. Long term results also show PoaCure has been able to reduce any poa coming back in the plots. Note normal poa management practices were kept on these areas and no additional poa products were applied. Only PGR used was Trinexepac.

Start April 2020
75DAIT June 2020

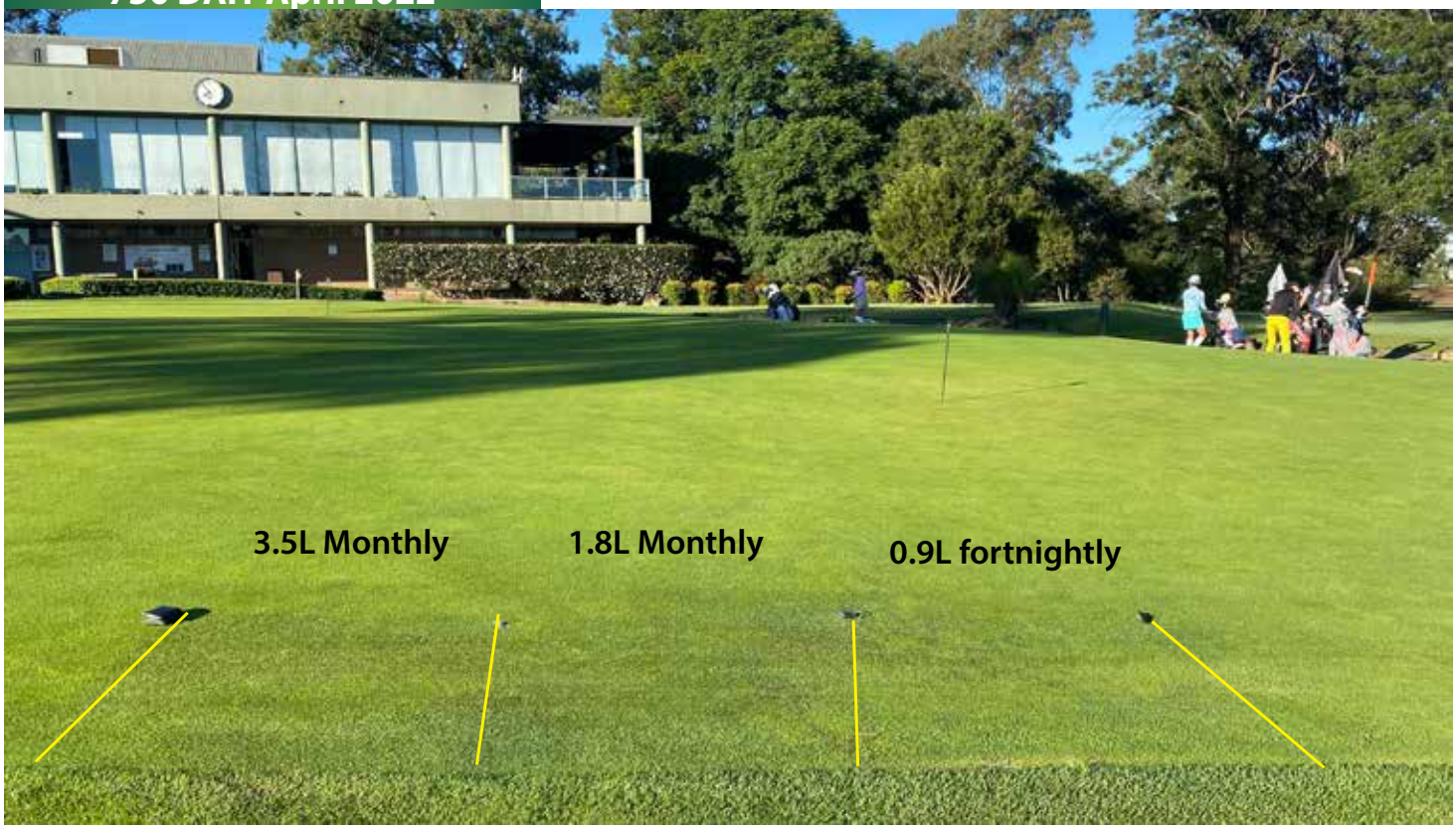
DAIT = days after initial treatment

224 DAIT November 2020



PoaCure Permit Trials

750 DAIT April 2022



In this trial you can see that PoaCure continues to give long term benefits more than 2 years after the full program had been completed.

805 DAIT June 2022

Aim of trial (autumn applied): PoaCure sportsfield (couch) history of resistant poa.
Treatments:

- 3.5L/ ha monthly 2 applications

Conclusion: Full long term result not know. Pictures were in May (top) and June (bottom) 2021. Applications were April 3.5L/ha and May 3.5L/ha 30 days apart

Aim of trial (autumn applied): To determine if PoaCure is effective on large poa plants. Other products have not been successfully in controlling existing poa
Rate: 35mL per 100m^2 4 applications 2 weeks apart.
Conclusion: PoaCure controlled the initial poa that was in the plot. New poa emerged after 121 days 4 months after the trial had started. The untreated poa was still very strong and the pressure around the treated plot is very high.

You can see PoaCure has started to kill all poa in the plot (right picture)

You can see PoaCure has killed all poa in the plot (left picture). New poa has emerged after 121 days. No other treatments have been applied. Note the health of the untreated poa.

A Word From PoaCure Users

"After half the course was rebuilt in 2016-2017 we were looking to implement a program to transition our old Poa/Bent greens to a greater percentage of Bentgrass in the hope to improve playability across our greens surfaces. PoaCure has allowed the club to take a measured approach to minimise any effect on play on these greens. Not only have we achieved what we set out too, we are now implementing the same measured approach to remove what Winter grass that remains!"

Rob Green
Golf Course Superintendent
Brighton Lakes Recreation & Golf Club

"With the transition of our surrounds to cool season grasses PoaCure has helped us keep Poa at bay from preventing it taking a hold. This has allowed us to produce a great putting surface and eliminated any Poa plants and associated seedhead from our greens. "

Gary Smith
Superintendent
Commercial Albury Golf Resort

"PoaCure has given me another tool to use in a never ending battle against poa. We have seen a reduction in poa levels in greens treated with PoaCure much more than the greens we have not treated with PoaCure"

Cameron Hall
Course Superintendent
The Kew Golf Club

"The ability to use a product like PoaCure gave us the confidence to transform our Poa/Bent putting surface to pure Bent grass surfaces. I knew it was going to make a difference, but it exceeded my expectation, it visually highlighted the contours in our greens, and agronomically it has helped to a great extent with our goal being more environmentally and financially sustainable."

James Newell
Course Superintendent
Magenta shores Golf & Country Club

"We've been using PoaCure on a rotation basis on our greens. Those greens have been the best on course requiring less inputs saving us money and providing a more consistent playing surface."

Mark Spraggs
Golf Course Superintendent
Tuncurry Golf Course