



Science For A Better Life

Tempo® XTRA Turf Application Considerations – Rates & Timing			
Insect	Rate	Application Considerations	Application Timing
Lepidoptera pests including; Lawn Armyworm Cutworm Webworm	2-4L/ha (20-40mL/100m ²)	Apply to mown turf in a minimum application volume of 200L/ha. Irrigate treated areas after application with up to 4mm water.	Apply when insects or damage first appear. For severe infestations, repeat every 7 to 14 days as needed.
Argentine Stem Weevil (adults)	5L/ha (50mL/100m ²)	Apply preventatively at 6 weekly intervals in a minimum volume of 400L/ha. Irrigate treated areas after application with up to 4mm water.	Start applications in early Spring (Sep-Oct) to get 1st generation. Apply curatively at first signs of activity.
Mole Crickets	5L/ha (50mL/100m ²)	Apply in a minimum volume of 400L/ha. Irrigate treated areas after application with up to 4mm water.	Apply at first signs of activity.
Couch Mite	5L/ha (50mL/100m ²)	Apply in a minimum volume of 400L/ha. Uniform application is critical is maximising performance.	Apply in mid to late Spring when populations are low. Industry thresholds are set at 4-8 stunted tufts (witches brooms) per 100cm ² .
African Black Beetle Argentinian Scarab Pruinose Scarab	5L/ha (50mL/100m ²)	Apply for adult control as required. For control of larvae add 1.25L/ha Merit® Turf and Ornamental Insecticide.	Apply mixture at peak egg hatch which is mid-spring to mid-summer depending on species. Apply to adults when activity first occurs.
Billbug	5L/ha (50mL/100m ²)	Apply for adult control as required. Spray with at least 400L water/ha to ensure even coverage. For control of larvae add 1.25L/ha Merit® Turf and Ornamental Insecticide. Preferably spray on dewy grass. Irrigate with 5 to 12mm of water commencing within one to 24 hours of application.	Monitor adult activity through late spring and early summer. Spray when numbers peak, or when small larvae (4mm) are found in the thatch or surface soil. Early application is essential to minimise grass damage due to feeding.
Ants	5L/ha (50mL/100m ²)	Spray with at least 400L water/ha to ensure even coverage.	Apply when ants are active. For best results, locate nest and treat these areas specifically.
Grasshoppers	400mL/ha	Apply by ground based equipment only. Adequate coverage is essential for effective control.	Apply when grasshoppers are active.

Our mission:
“Bayer: Science For A Better Life”

Bayer is an inventor company with a long tradition of research. By applying science to the major global challenges, we deliver innovations that address unmet customer and market needs.

Bayer is a global leader in providing innovative solutions to pest, weed and plant disease problems in the professional non-crop markets, including the turf and amenity sector.

The company’s product portfolio consists of turf fungicides, insecticides and a range of herbicides. Key brands include Dedicate®, Interface®, Tribute®, Destiny® and Spearhead®.

Bayer is committed to sustainable development and regularly invests in local R&D sports turf projects to help improve the future quality and management of sports turf, as well as having first hand experience at the ‘BayArena’ stadium, home to the company’s football team – Bayer Leverkusen, which adds valuable insight into the solutions needed for effective maintenance of sports surfaces.



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Tempo®
XTRA

Does it
better.



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- ✓ Better Knockdown
- ✓ Better Spectrum of Activity
- ✓ Better Chemistry
- ✓ Better Performance

Tempo[®]XTRA is a unique dual mode of action insecticide designed to control tough pests in Turf and Ornamental situations.

In Turf, **Tempo[®]XTRA** is registered to control 9 pests, including difficult insects to control such as Argentine Stem Weevil and Couch Mite.

In Ornamentals, **Tempo[®]XTRA** is registered to control 12 pests, including economically important insects such as Aphids, Mealybug, Scale, Whitefly and Thrips.



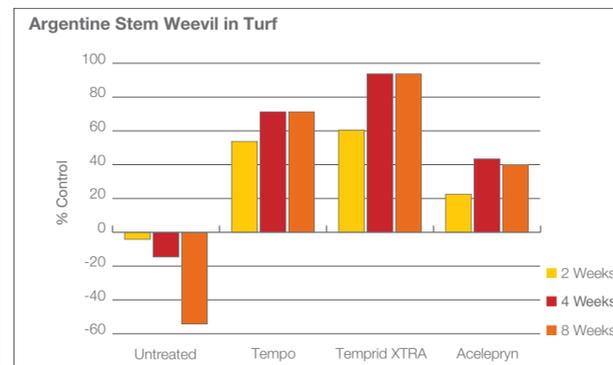
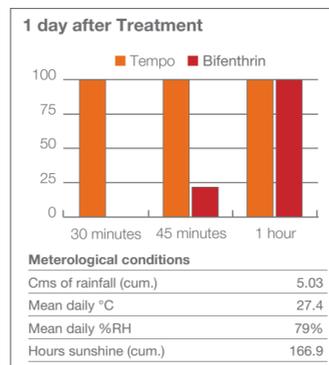
Does it better.

“New South Wales Golf Club has been trialling **Tempo[®]XTRA** for Bayer over the past two summers. I can say without hesitation that this product has been a welcomed addition to our rotation of insecticides in our battle with Stem Weevil. The visual and immediate results when using this product give a reassuring sense that the insect levels are being managed and damage is kept to minimal levels.”

Gary Dempsey, Course Superintendent, New South Wales Golf Club

Rapid Knockdown with Tempo[®]XTRA

Tempo[®]XTRA works fast in knocking down insects. When you compare against other synthetic pyrethroid products such as bifenthrin, **Tempo[®]XTRA** can control key turf insects within 30 minutes, where it takes up to an hour with bifenthrin materials. When rapid control is required, **Tempo[®]XTRA** is your answer.



Broad Spectrum of Activity

Turf

Lawn Armyworm, Cutworm, Sod Webworm, Argentine Stem Weevil, Billbug, Mole Crickets, Couch Mite, Ants, Argentinian Scarab, Pruinose Scarab, Grasshoppers.

Ornamentals

Aphids, Bugs, Caterpillars, Garden Weevil, Whiteflies, Thrips, Hibiscus Flower Beetle, Longtailed Mealybug, Psyllids, Soft Scales, Grasshoppers, Sawfly Larvae.

Tempo[®]XTRA Ornamental Application Considerations – Rates & Timing

Insect	Rate	Application Considerations	Application Timing
Aphids	40-80mL/100L water	Apply as a foliar spray. Ensure underneath leaf surfaces are treated. Apply until leaves are evenly coated with spray but not dripping.	Spray foliage thoroughly when insects are first seen or if they reappear. Do not spray if it is raining or about to rain.
Passionvine Hopper, Mealybug, Lacebug			
Caterpillars			
Garden Weevil			
Whiteflies			
Thrips			
Hibiscus Flower Beetle	40-80mL/100L water + 30-40mL/100L of Merit [®]	Spray buds and flowers as needed.	Apply when insect activity is present.
Longtailed Mealybug	40-80mL/100L water + 30-40mL/100L of Merit [®]	Apply 3 sprays 2 weeks apart. Use a non-ionic surfactant at label rate.	Apply when insect activity is present.
Psyllids	40-80mL/100L water + 5-15mL/100L of Merit [®]	Repeat application a week after the 1st application.	Spray at first sign of insect activity.
Soft Scales	40-80mL/100L water + 5-15mL/100L of Merit [®]	Add a wetting agent to ensure best results. Apply 3 sprays 2 weeks apart to get the best results.	Spray in late spring or when small scales are first seen.
Grasshoppers	6mL/1L water	Adequate coverage of plant is essential for effective protection. Repeat as necessary.	Spray plants directly when pest insects are observed.
Sawfly Larvae	6mL/1L water	Apply thoroughly as a full cover spray. Repeat at beginning of renewed pest activity.	Spray at first sign of insect activity. Do not spray if it is raining or about to rain.

Ornamental Plant Safety

Tempo[®]XTRA Residual Insecticide has been used on a wide range of ornamental plant species without damage. This includes, but is not limited to the following plant groups: Roses, Azaleas, Pelargoniums, Magnolia, Malaleuca, Eucalyptus, Viburnum, Camellia, Azalea and Lilly Pilly. Some species and varieties however, are particularly sensitive to chemical sprays and as this is often related to local conditions. If unsure, it is advisable to treat only a small number of plants first, in order to ascertain their reaction before treating the entire crop.

Key Features

- > Broad Spectrum insect control in both Turf and Ornamentals
- > Excellent activity on tough turf pests such as Argentine Stem Weevil & Couch Mite
- > Rapid knockdown of pests. Quicker than any other product within the market.
- > High quality formulation, containing HAS Technology for superior and consistent performance
- > Unique mix of residual (systemic) and knockdown (contact) chemistry provides excellent protection for the plant
- > Research has shown that the active ingredients in combination provide a synergy, increasing control by up to 40%
- > Ideal as a resistance management tool (2 different modes of action are being used simultaneously)
- > Ultimate versatility. Also registered for pest control uses. Good for the maintenance facility



Tempo[®]XTRA is a quality formulation. What provides the **Tempo[®]XTRA** formulation difference is the unique milling process, whereby the two active ingredients are finely milled in combination.

This co-milling creates a range of benefits including uniform particle size for the two actives which improves hang time in the tank, gives greater coverage and maximizes biological exposure of both actives.

This unique formulation is called HAS™ Technology.

Nuisance Ants in Landscape & Ornamental Situations

Tempo (Beta-cyfluthrin) alone in this trial provided excellent knockdown of the ant population and Merit (Imidacloprid) provided some residual activity, but with little to no knockdown capacity.

Tempo[®]XTRA provided the best knockdown capacity with even better residual performance than any other treatment in the trial.

When it comes to ant control, **Tempo[®]XTRA** is a great tool to have at your disposal!

