

ACTIVE INGREDIENT: 500 g/L Indaziflam

GROUP 29 HERBICIDE

IMPACT OF WEEDS ON ROAD INFRASTRUCTURE

Road maintenance often focuses on visible issues like potholes and cracks, while the risks posed by weeds are frequently underestimated. Left unchecked, these plants can cause significant and costly damage to road infrastructure, concrete surfaces and surrounding environments.

Uncontrolled roadside weed growth threatens road integrity, public safety, and council maintenance budgets. For councils, road authorities and asset managers, understanding the hidden costs of inaction and the escalating risks of unchecked weeds is critical to effective asset management.

Proactive weed management is essential to protect road assets, ensure driver safety, safeguard native environments and keep council maintenance and repair costs under control. Early, consistent control measures reduce long-term expenses and support safer, more sustainable road networks.

BENEFITS OF PRE-EMERGENT CONTROL

- **Simplifies ongoing management:** Roadsides remain cleaner and more manageable throughout the year. With fewer weeds emerging, the focus can shift to maintenance rather than constant reactive work, improving operational efficiency and overall results.
- **Reduces herbicide use:** By preventing weeds from emerging in the first place, pre-emergent control significantly cuts the need for reactive herbicide applications. This not only lowers chemical costs but also reduces the environmental impact of repeated spraying.
- **Long-term proactive strategy:** Instead of fighting weeds after they appear, pre-emergent control is a forward-thinking approach that addresses problems at the source. It creates a sustainable, cost-effective, and safer roadside environment that benefits councils, contractors, and the community.



HOW WEEDS THREATEN ROAD INFRASTRUCTURE

Weeds silently undermine the strength, safety, and lifespan of our road networks – turning small problems into costly failures:

- **Hindered water drainage**
Dense roadside vegetation blocks drainage channels, causing water to pool on or near the road surface, accelerating damage.
- **Destabilised road structures**
When water collects on or near the road's edge due to weed interference, it can seep into base layers, weakening foundations and increasing the risk of costly structural failures.
- **Structural damage**
Aggressive root systems can penetrate and degrade road seals, leading to cracking, surface deterioration, and shortened asset lifespan.
- **Environmental impacts**
Invasive weeds can displace native species, reduce biodiversity and alter the roadside ecosystem.
- **Increased fire risk**
Dry roadside vegetation can significantly increase bushfire risk by creating corridors of fuel during fire season, threatening both infrastructure and nearby communities.
- **Safety hazards**
Overgrown weeds can obscure road signs, markers, roadside assets and wildlife, creating hazardous conditions that reduce motorist visibility and safety – especially in regional and re-mote areas.
- **Maintenance costs**
Without proactive control, weed infestations quickly escalate – driving up spraying requirements, fire mitigation efforts and costly repairs.





CONTROLLING ROADSIDE WEEDS WITH ESPLANADE

Preventing weeds from emerging is one of the most effective strategies for managing roadside vegetation. [Esplanade®](#) Herbicide delivers long-lasting, pre-emergent control-targeting roadside weeds before they emerge, significantly reducing the need for frequent follow-up treatments. This residual activity translates into lower labour demands and long-term cost savings for vegetation management programs. [Esplanade](#) provides superior control of over 30 weed species, including those resistant to other herbicides, ensuring safer and more efficient weed management. [Esplanade](#) is designed with environmental safety in mind. Its low active ingredient loading and strong binding to soil limit off-target movement, makes it a cleaner, more responsible option to control roadside vegetation.

TANK MIX PARTNER

If weeds are present, add a knockdown or other partner herbicide as a tank mix.

PRODUCT PROFILE

Active Ingredient:	500g/L indaziflam
Mode of Action:	Inhibition of cellulose biosynthesis Group 29
Formulation:	Suspension Concentrate (SC)
Pack size:	1L & 5L
Rate:	150mL/ha

STEWARDSHIP

Always read the label before use.

For full list of application and usage recommendations, view the [label](#).

CONTACT US

For further information on the treatment of roadside weeds, please contact the Envu team.

Details can be found on the Envu website by visiting [Our Team in Australia](#)

