

# Spring Recovery Program

## **SIGNATURE<sup>®</sup> XTRA<sup>™</sup>** + Stressgard<sup>®</sup>

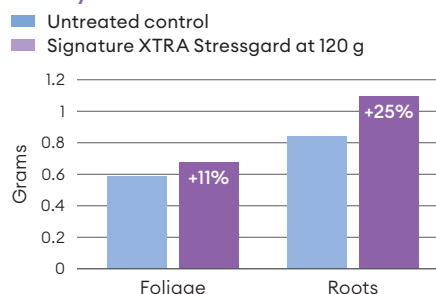
With spring recovery in full swing, existing and newly established turfgrass will need all the help it can get after a very slow start.

Signature<sup>®</sup> XTRA Stressgard<sup>®</sup> should be considered as a tool in an effective spring recovery and establishment program. The fully systemic fosetyl aluminum fungicide with Envu's patented Stressgard Formulation Technology not only inhibits spore germination and mycelial development in several important turfgrass pathogens, but conveys proven plant health properties such as:

- Induced synthesis of natural plant antimicrobials and antioxidants (phytoalexins)
- Thickening of plant cell walls – enhanced vigour
- Increased photosynthetic capacity and carbohydrate accumulation
- Reduced plant respiration under stress conditions
- Enhanced mycorrhizae symbiosis for improved root development

The proposed treatments below should allow for a more vigorous and robust stand of turfgrass coming out of dormancy.

### Increase in foliage and root growth – 20 days after treatment



The added benefits of Signature XTRA Stressgard in a spring management program will not only allow for quicker recovery of existing turfgrass, but encourage strong rooting and disease resistance in newly established seedlings.



Increased turf vigour and root development on 4-week-old creeping bentgrass after single application of Signature XTRA Stressgard at 120 g/100 m<sup>2</sup>.

### Proposed spring recovery program using Signature XTRA Stressgard

All rates are per 100 m<sup>2</sup> – all applications @ 800 L/Ha (2 gal/1,000 ft<sup>2</sup>)

	Green conditions	Severely damaged/ overseeded	Moderately damaged
	Application timing	Signature XTRA Stressgard rate per 100 m <sup>2</sup>	
1st application	based on GDD (220-250)	200 g	200 g
2nd application	10-14 days*	120 g	120 g
3rd application	7-10 days*	120 g	-
4th application	7-10 days*	120 g	-

Normal/routine spring maintenance and management practices (e.g., mowing, fertility, PGR, etc.) should continue.

\*If covers are used to encourage seed germination, reduce application timing to 5-7 days and include Banol<sup>®</sup> at 64 mL/100 m<sup>2</sup> to protect seedlings from damping-off pressure. Untreated check plots are encouraged on each green to better showcase treatment validity.

A small board or similar non-permeable object can be placed in the same spot prior to each treatment application.

