



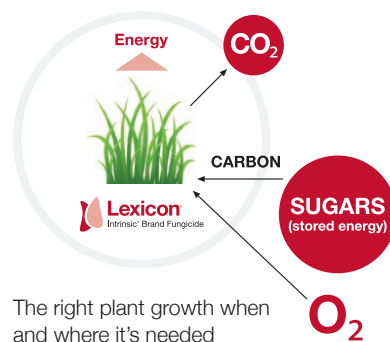
## BASF Intrinsic® technology powering turf establishment

Intrinsic® brand fungicides are the future of disease control today. Achieving disease free, healthy turf is at the forefront of grower intentions and intrinsic products are integral in their provision of both advanced, long-lasting disease control, and plant health benefits.

Intrinsic brand fungicides offer plant health benefits beyond disease control as they promote stronger, denser roots, advanced ground coverage and faster recovery from both environmental and mechanical stressors. Pyraclostrobin's unique technology harnesses maximum CO<sub>2</sub> levels to increase net photosynthesis, ensuring efficiency is optimised to prioritise energy production (Figure 1).

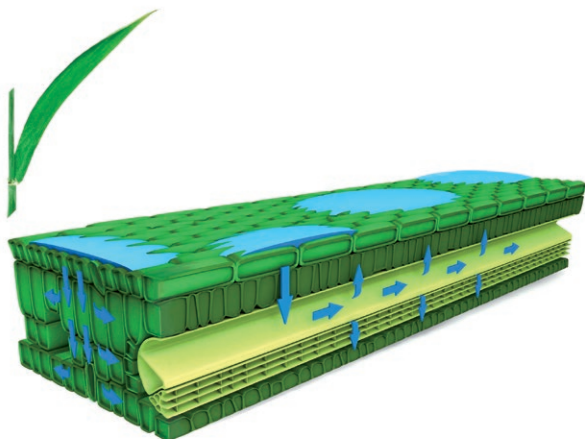
### Lexicon Intrinsic Brand Fungicide

With its two unique chemistries, Fluxapyroxad + Pyraclostrobin, Lexicon Intrinsic brand fungicide provides optimal protection from key turf diseases, in addition to delivering plant health benefits and faster recovery from stressors. While Fluxapyroxad effectively disrupts the energy supply of essential building blocks stopping the growth of fungal cells, Pyraclostrobin maximises green resilience advancing rooting and cover. Preventative and curative activity are provided by systemic movement through the waxy leaf surface resulting in the highly sought-after combination of quick knockdown and long residual action (Figure 2).



The right plant growth when and where it's needed

**Figure 1:** Pyraclostrobin's unique technology reduces night respiration redirecting carbon to root growth and turf establishment.



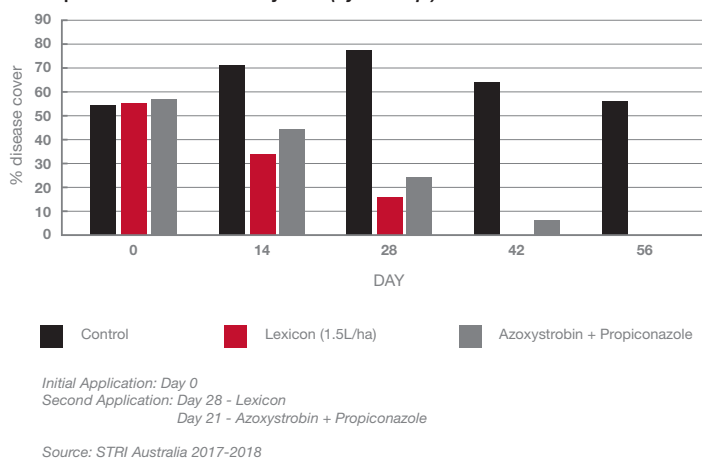
**Figure 2:** Fluxapyroxad provides unmatched systemic movement Absorbed to waxy layer and evenly transported in leaves.

### Plant Health Benefits and Turf Establishment

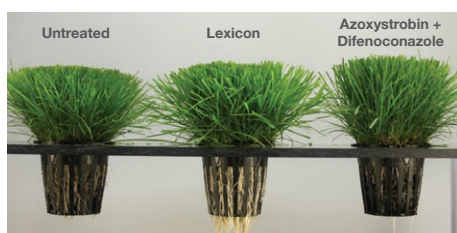
As a high cost and labour-intensive crop, the importance of optimum turf establishment is becoming increasingly realised particularly in seeding and sprigging programs. Overseeding and sprigging programs are often compromised by the risk and presence of disease pressure, particularly Pythium, which can spread to kill large areas of turf in conducive conditions. Lexicon Intrinsic Brand Fungicide provides superior control of Pythium when compared to competitor fungicides (Figure 3), providing you confidence that turf will establish disease free.

An added benefit of Lexicon Intrinsic brand fungicide in turf establishment programmes results from the advanced health benefits provided by Intrinsic brand fungicides. Establishment of new seed and/or treated sprigs is accelerated, so not only are tough diseases controlled but your turf will establish faster and look healthier. The images and data below demonstrate the benefits that Lexicon Intrinsic Brand Fungicide can provide during reseeding programs.

**Lexicon Intrinsic Brand Fungicide Outperforms On Control Of Pythium (Pythium sp.)**

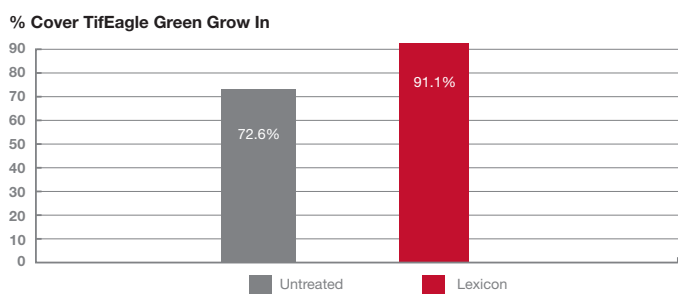


**Figure 3:** Lexicon Intrinsic Brand Fungicide outperforms on Pythium control.

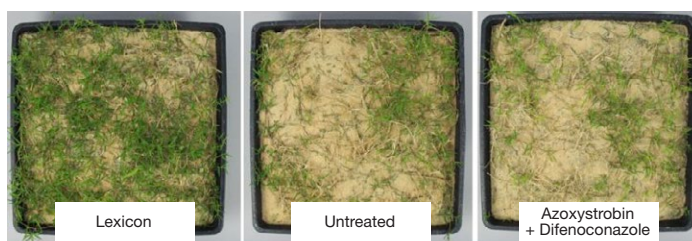


**Figure 4a & b:** Illustrates the improved root development and establishment provided by Lexicon Intrinsic Brand Fungicide.

Faster establishing root systems is integral to healthy looking turf. Data below illustrates that not only do roots establish faster and stronger, but this results in improved turf cover.



**Figure 5:** Demonstrates the influence of pre-treatment on couch grass sprigs grow in rates.



**Figure 6:** Illustrates the improvement in turf establishment from sprigs when treated with Lexicon Intrinsic Brand Fungicide.

**Lexicon Intrinsic Brand Fungicide provides turf managers with the confidence that not only will turf disease be kept in check, but turf will establish quicker and stronger ultimately resulting in improved stress tolerance. When establishing new plantings, over-seeding or sprigging – Lexicon Intrinsic Brand Fungicide is the only choice for disease free healthy turf.**

For more information on Lexicon Intrinsic Brand Fungicide, visit [crop-solutions.basf.com.au](http://crop-solutions.basf.com.au) or contact BASF on **1800 558 399**

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS BEFORE USING ANY PRODUCT IN THIS FACT SHEET.**

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