

Systiva®
Seed Treatment Fungicide

BASF
We create chemistry

**Think
bigger:
unleash
the Systiva
effect**



Why Systiva® is the biggest thing in seed treatment

Robust and long-lasting protection

against all the major seed-borne, soil-borne and foliar diseases of barley.

Improved crop vigour at emergence,

stronger root development and increased green leaf area.

Simplified in-crop disease management,

with less need for an early fungicide application in barley.

Consistently bigger yields

compared to barley treated with conventional seed treatments.

Registrations

	Control	Suppression
BARLEY	Net form net blotch Spot form net blotch Leaf scald Powdery mildew Leaf rust Loose smut	Rhizoctonia
WHEAT	Bunt Septoria tritici	Rhizoctonia

Application rate: 150 mL/100 kg of seed

Why Systiva makes such a big difference

Even though it is applied like other seed treatments, Systiva works much harder for longer than any alternative product.

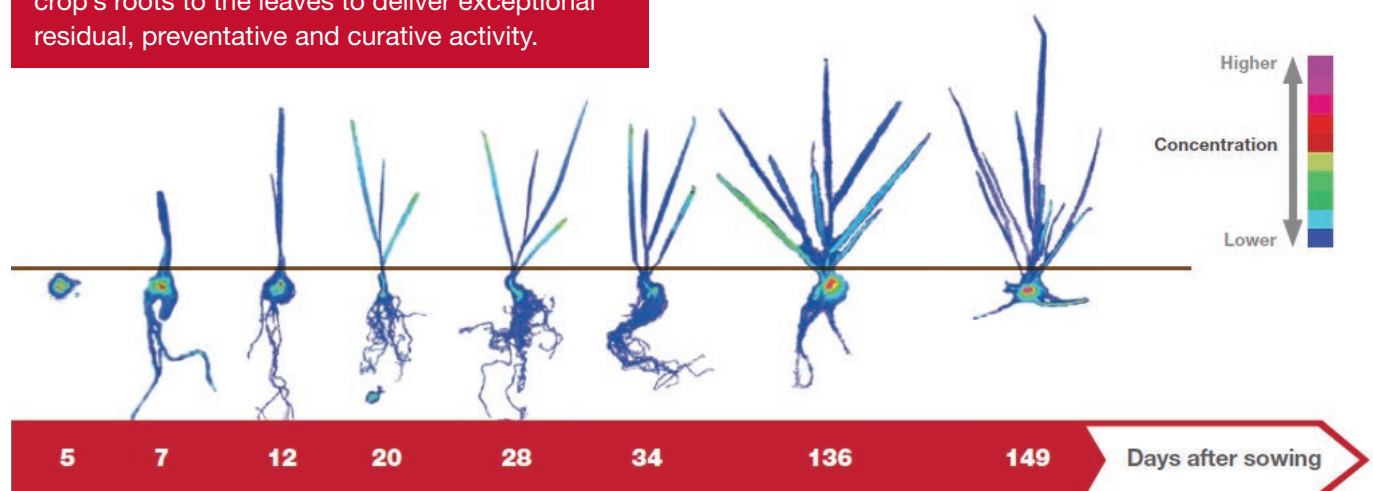
After sowing Systiva is quickly taken up and evenly distributed within the whole plant. Its innovative, powerful SDHI active ingredient is transported into the growing roots and leaves for an extended period, ensuring long-lasting control of a broad-spectrum of fungal diseases.

So Systiva protects the cereal seed against seed-borne and soil-borne diseases, then goes on to protect the young plant against foliar diseases. That longer-lasting and more comprehensive disease control gives treated plants a stronger start to the season and makes them more resistant to a range of environmental stresses, resulting in healthier crops and bigger yields.

That's what makes Systiva so unique.

Unique systemic movement extends control

Excellent mobility moves Systiva from the young crop's roots to the leaves to deliver exceptional residual, preventative and curative activity.



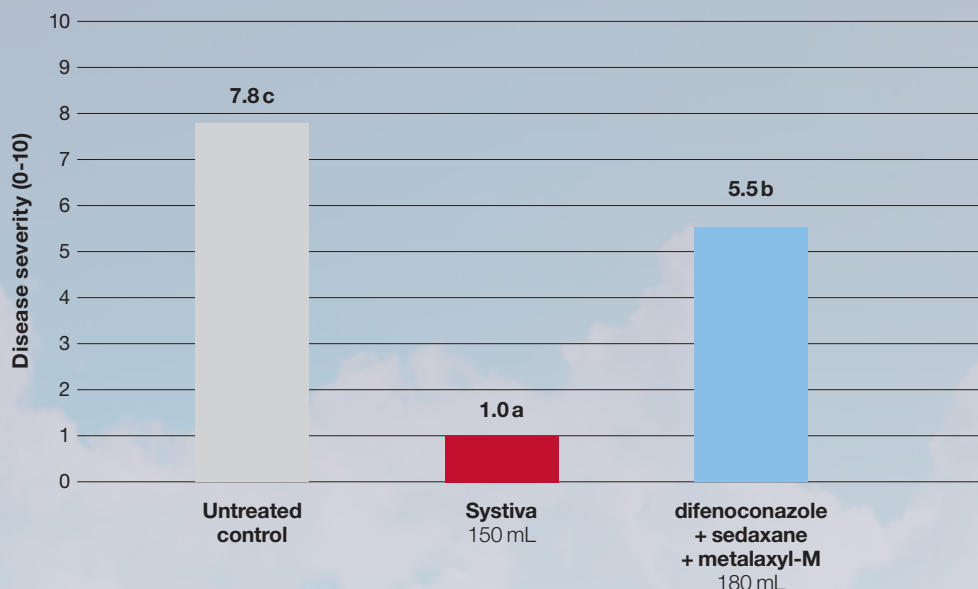
Source: BASF SE, Dr. H. Schiffer, APR/FM, C14 radioactive labeled Xenium in Systiva-treated winter wheat in lab and field.

Systiva®

Seed Treatment Fungicide

A big advantage in foliar disease control

Net form of net blotch control

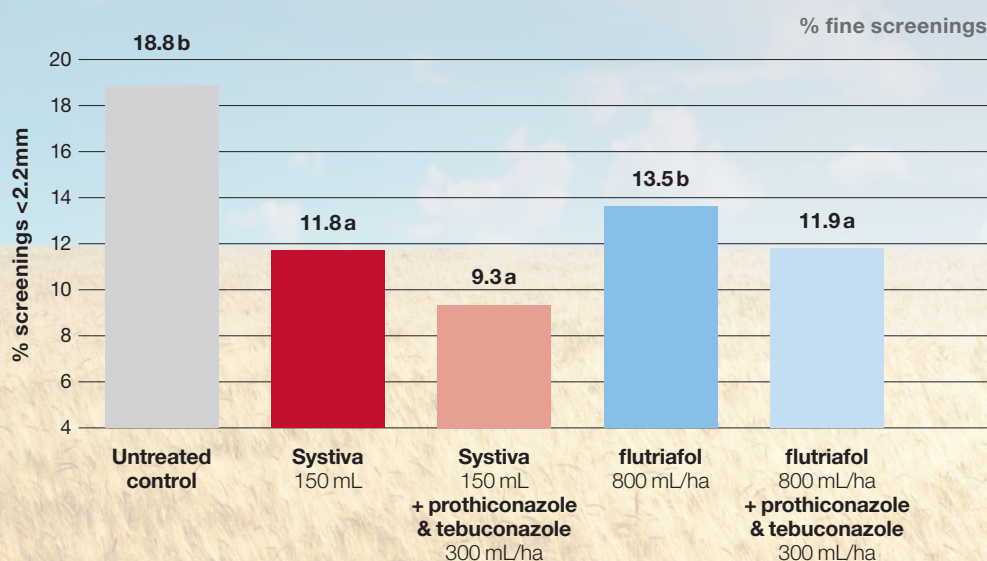


YPAG – Port Broughton SA 2014

All rates per 100 kg of seed

Systiva is the only new-generation SDHI seed treatment that controls the net form of net blotch.

Spot form of net blotch control



All rates per 100 kg of seed

Sheppard barley Hermitage
Research Station Warwick Qld
Greg Platz QDPI 2014

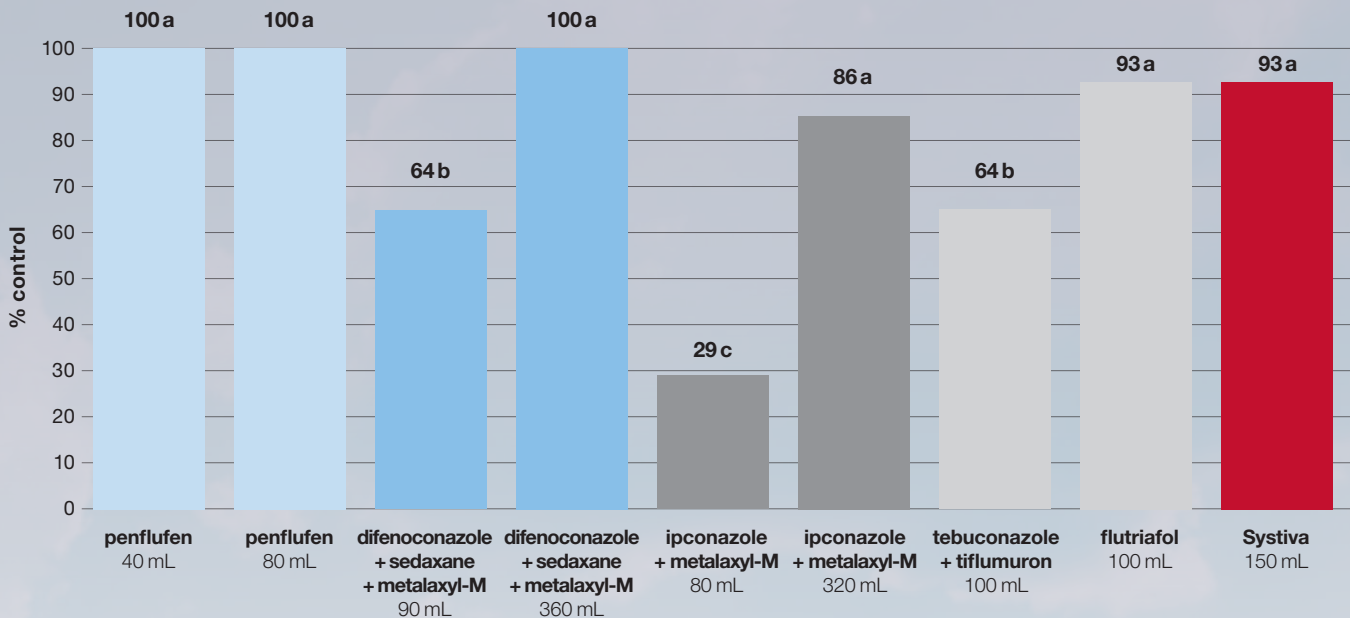


Compass barley at GS28.
Butler Tanks, Bawdens NRI EP SA
16 June 2015

Systiva standalone or in a program provided a significant improvement in grain quality in a trial with SFNB pressure.

No loss of control below the soil

Loose smut control

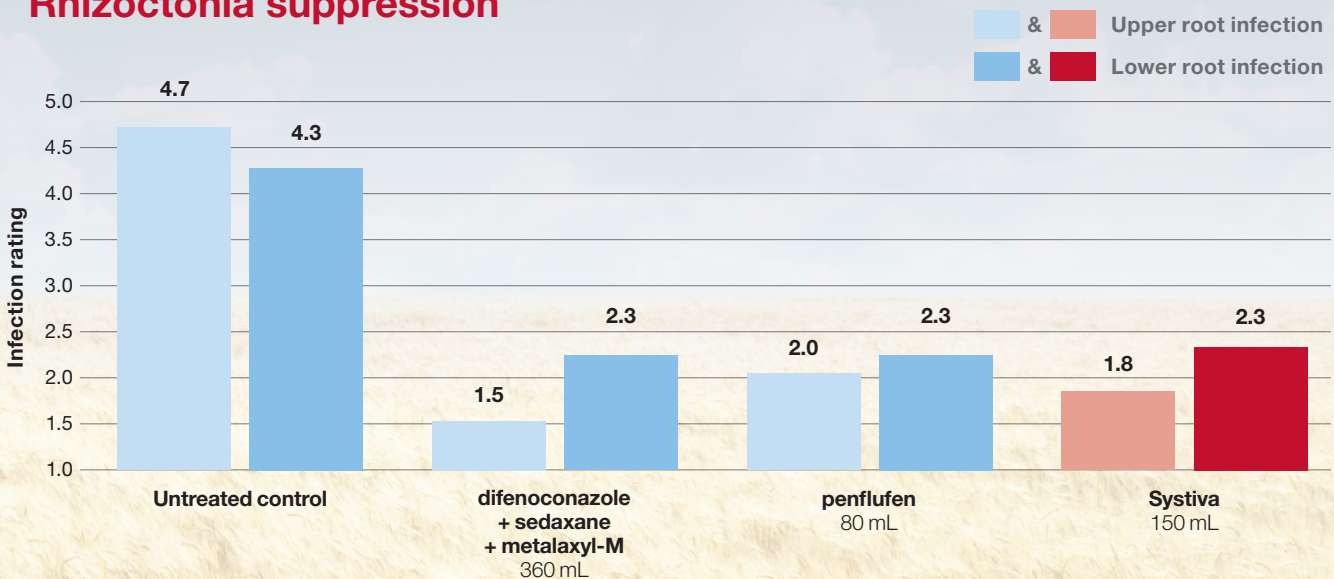


All rates per 100 kg of seed

12% of seeds infected in the untreated control
Source: SARDI – Hugh Wallwork and Mark Butt 2015

Systiva provides equivalent control to the older standard treatments for loose smut.

Rhizoctonia suppression

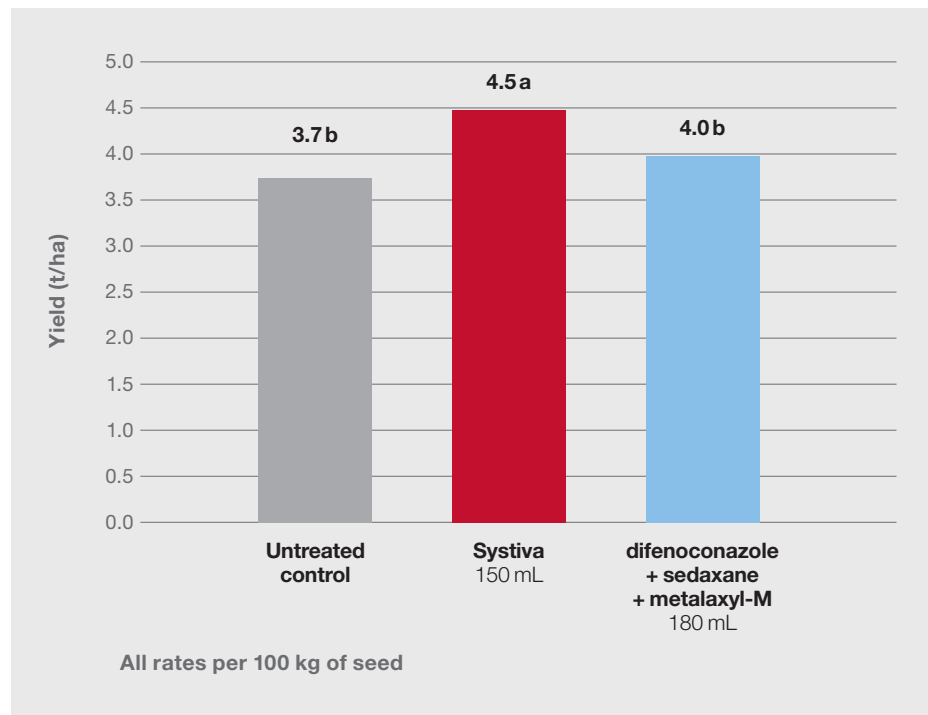


All rates per 100 kg of seed
All treatments were inoculated with rhizoctonia

2013 Kalyx trial in Emu Rock
Wheat at Galong NSW

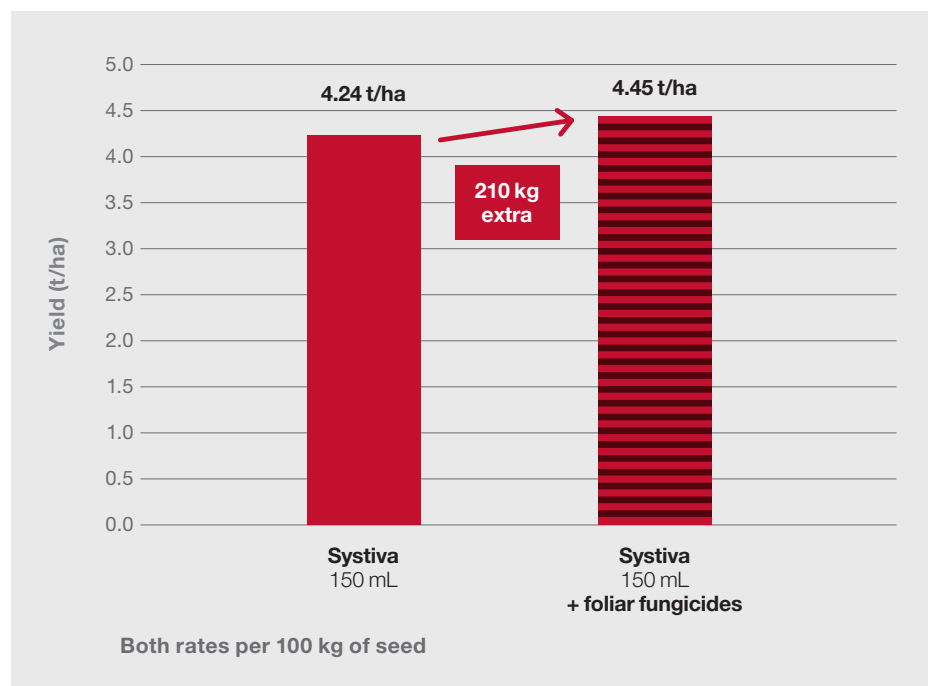
Systiva also matches the performance of the previous standard treatments for rhizoctonia.

Big increases in crop yield



Trial under NFNB pressure.
YPAG – Port Broughton SA 2014

Comprehensive disease control promotes improved crop vigour and maximises potential yield.



Mean yield advantage
across 21 Australian
trials 2014–16

P = 0.003

* Foliar fungicides used include: Opera, azoxystrobin (200 g/L) + cyproconazole (80 g/L), prothioconazole (210 g/L) + tebuconazole (210 g/L), tebuconazole (250 g/L) + propiconazole (250 g/L), propiconazole (250 g/L)

Follow-up foliar applications increase the yield advantage Systiva has already established.

Systiva-treated crops averaged **300 kg/ha extra yield** across 69 trials from 2010 to 2016.

A big extra return on investment

In this 2016 trial, Systiva improved yield and grain quality to deliver \$158.36/ha in extra profit.

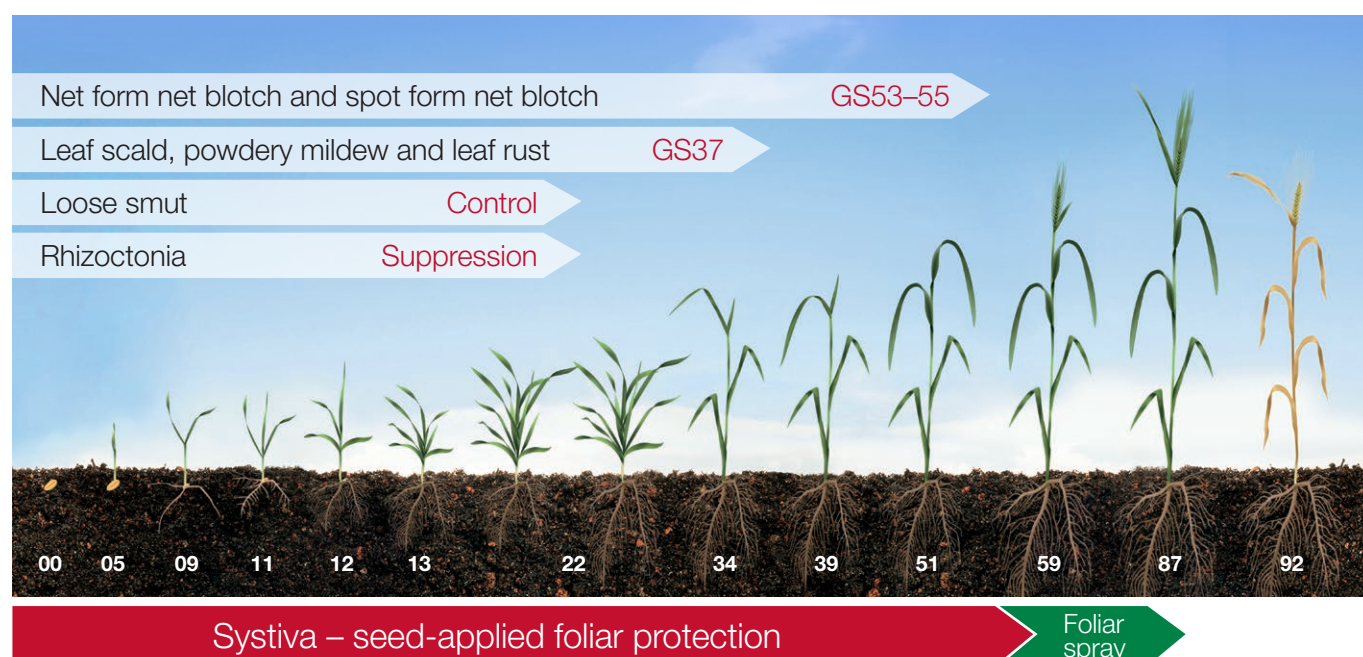
Treatment	Ave. yield (t/ha)	Ave. screenings (grade)	Costs \$/ha	Return/ha
Systiva 150 mL/100 kg	5.03	Scop1	\$25.38 /ha	\$1,056.30
Standard 180 mL/100 kg	4.62	Scop2	\$5.24 /ha	\$877.80
Difference	+ 0.41 t/ha	+ \$20/t	+ \$20.14	+ \$178.50

At 2018 prices, the same yield result would have delivered **over \$370/ha in extra profit.**

Northampton, WA strip trial planted 12 May 2016. GSR: 420 mm Standard product = difenconazole + sedexane + metalaxyl-M. Return based on price at 25/10/16: Scop1 \$210/t; Scop2 \$190/t. 2018 calculation based on prices at 1/11/2018: Scop1 \$387/t; Scop2 \$335/t.

A big advance in seed-applied protection

Systiva will control all of the five most damaging foliar diseases in barley well into the season.



Integrated disease management

While Systiva is a big step forward, it's important not to rely on any one solution. Systiva should be used as part of an integrated program that includes:

- foliar fungicides with other modes of action, such as Opera® Fungicide
- planting cereal varieties with higher genetic tolerance
- effective stubble management to reduce inoculant load
- adequate crop rotations to minimise the risk of resistance developing and protect yields.

Systiva®

Seed Treatment Fungicide

Thinking bigger from the very start



Control of seed-borne,
soil-borne and foliar diseases



Increased crop vigour
+ extended disease control



Optimised farm management
with less need for early foliar sprays



Increased yields and
+ an extra return on investment

**For more information about Systiva,
visit crop-solutions.basf.com.au
or call 1800 558 399.**

ALWAYS READ AND FOLLOW LABEL DIRECTIONS.

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