

Systiva[®]
Seed Treatment Fungicide

Think bigger

Turn good
seasons into
great ones

 **BASF**

We create chemistry

Now even more cost-effective barley protection

Long-lasting protection against scald & brown rust as well as other 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.

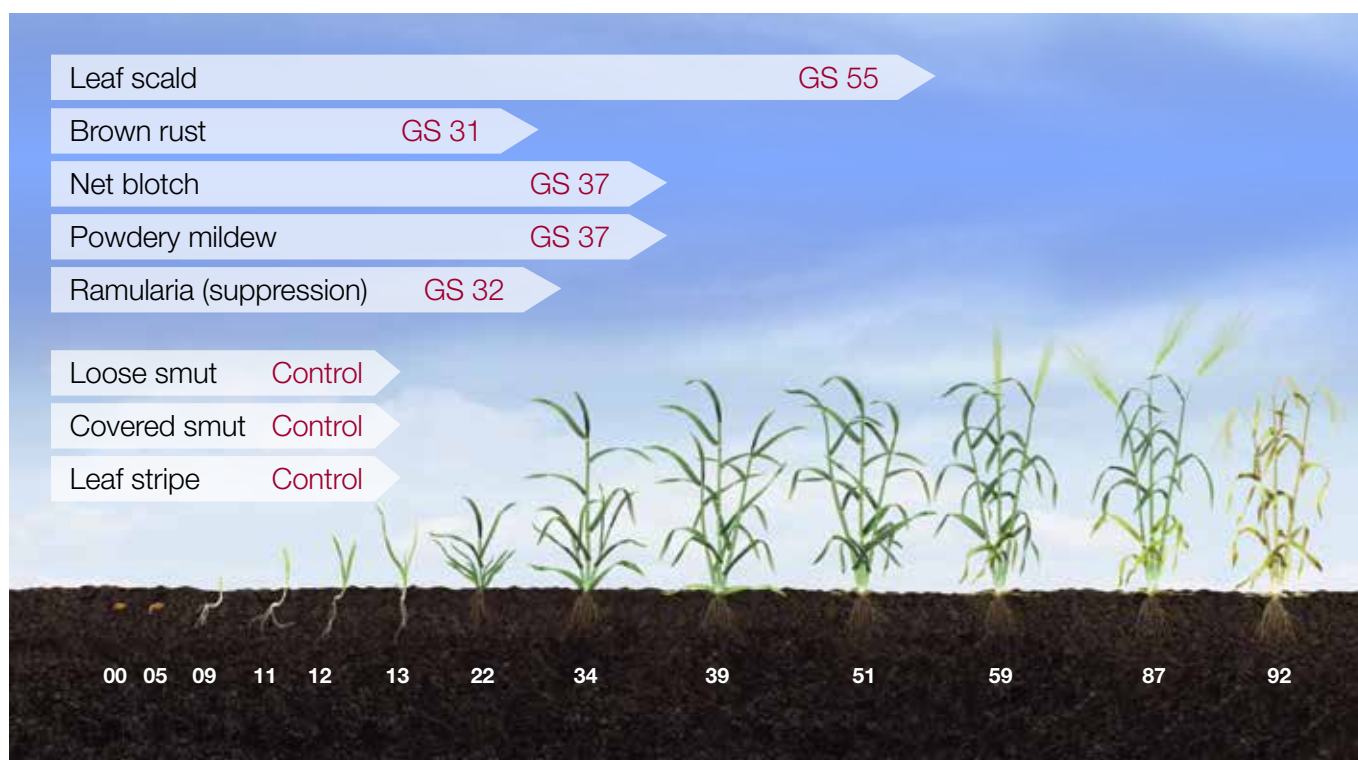
Extra profit at the new reduced price as added yield at less net cost delivers more margin.

Systiva registrations

	Control	Suppression
BARLEY	<p>Covered smut</p> <p>Loose smut</p> <p>Brown rust</p> <p>Leaf stripe</p> <p>Net blotch</p> <p>Powdery mildew</p> <p>Scald</p>	<p>Ramularia</p> <p>leaf and awn spot</p>
WHEAT	<p>Leaf rust</p> <p>Common bunt</p> <p>Loose smut</p> <p>Powdery mildew</p> <p>Stem rust</p> <p>Stripe rust</p>	

Application rate: 0.75–1.25 L/tonne of seed

Length of protection in barley



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.

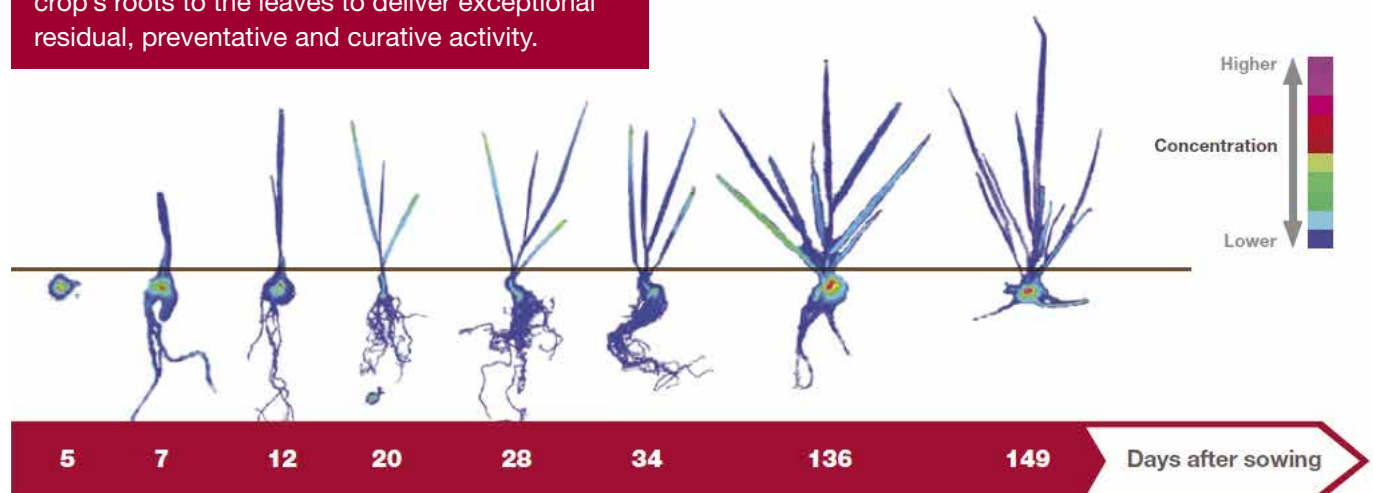
After sowing Systiva is quickly taken up and evenly distributed within the whole plant. Its innovative, powerful SDHI active ingredient is transported into the growing roots and leaves for an extended period, ensuring long-lasting control of a broad-spectrum of fungal diseases.

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

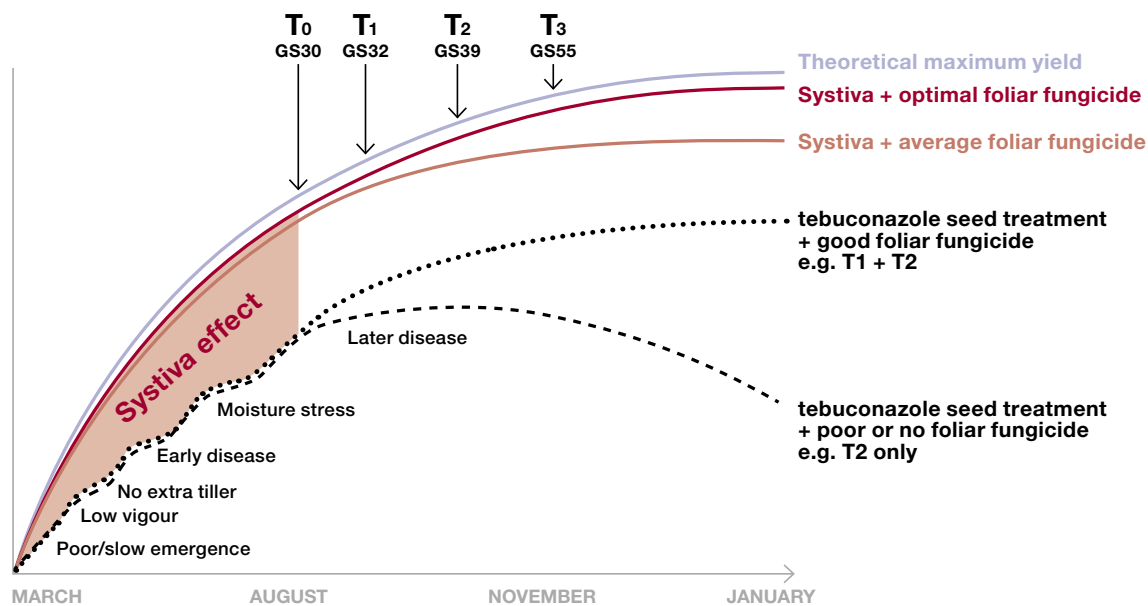
Excellent mobility moves Systiva from the young crop's roots to the leaves to deliver exceptional residual, preventative and curative activity.



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

Using the 'Systiva effect' to increase barley yield

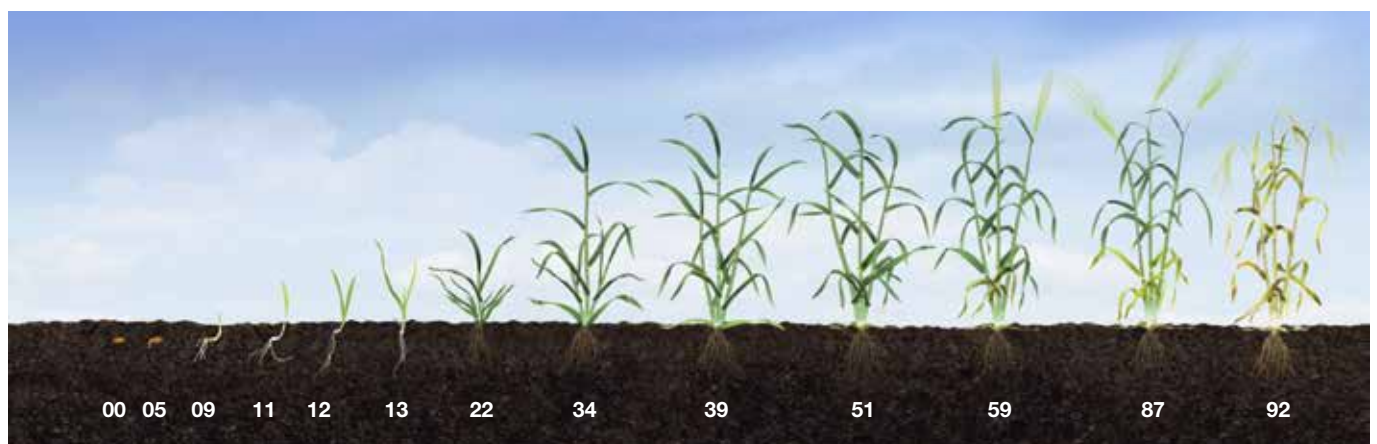
Systiva's early protection helps to maximise a barley crop's yield potential and that 'Systiva effect' can be locked in by follow-up foliar sprays.



As the diagram shows, the high level of protection Systiva provides through the crucial establishment phase can put the crop on track to fulfill its yield potential.

Applying the right foliar fungicides as a follow-up can help sustain that 'Systiva effect'.

Recommended barley spray programme



Systiva

triazole-based
solution

Imtrex® plus
triazole

Consistently higher crop yields

Irrigated barley

Spray programme	tebuconazole	Systiva	Systiva effect
Nil	6.5	7.07	0.57 t/ha
T2	8.74	9.59	0.85 t/ha
T1+T2	10.13	10.61	0.48 t/ha
T0+T1+T2	10.37	10.87	0.50 t/ha

The programme with the best MOCC (margin over chemical cost) was Systiva followed by foliar applications at T0, T1 and T2.

Non-irrigated barley

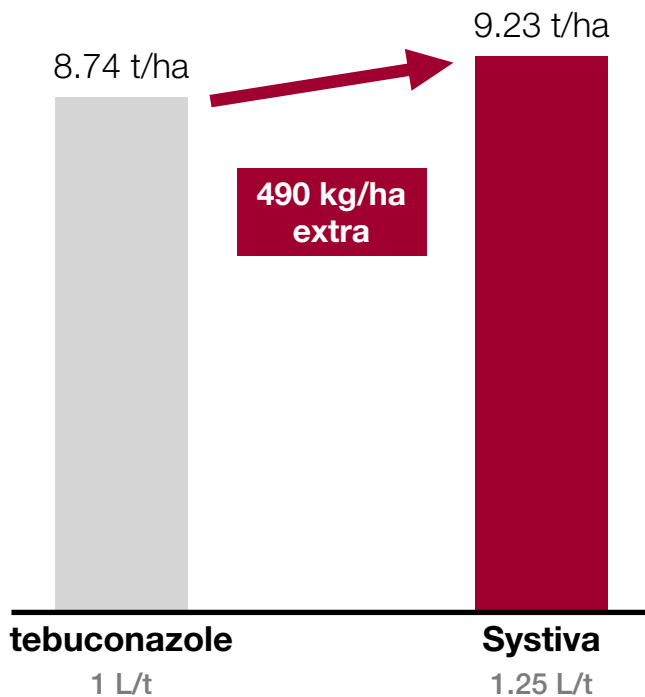
Spray programme	tebuconazole	Systiva	Systiva effect
Nil	7.06	7.72	0.66 t/ha
T2	8.45	8.95	0.50 t/ha
T1+T2	9.05	9.44	0.39 t/ha
T0+T1+T2	9.63	9.55	- 0.08 t/ha

Both results from a 2013/14 FAR trial in Tavern barley at Chertsey

As the quality and extent of the foliar fungicide programme increased and the need for disease control decreased, the Systiva effect was less pronounced.

In this case, the third foliar spray was actually counter-productive.

Significant yield gain across all programmes



Mean result from all spray programmes in the 2013/14 FAR trial

Tank-mixing for extra protection

Systiva can be tank-mixed with a range of BASF products to extend the spectrum of protection for treated barley.

Kinto® Duo Seed Treatment Fungicide adds protection against:

- Loose smut
- Fusarium/foot rot
- Snow mould

Poncho® Systemic Seed Treatment Insecticide will prevent aphid damage for up to six weeks after emergence.

BASF also supplies a range of polymers that can be used to improve seed flow at sowing, minimise dust and add customised colours to identify treated seed.

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.co.nz
or call 0800 932 273

ALWAYS READ AND FOLLOW LABEL DIRECTIONS.

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