

Maximize disease protection from root to leaf tip.

Choosing between control of soilborne or foliar diseases isn't good for you or your course. Heritage® fungicide is formulated to defend against both types of diseases without compromise. This unique strobilurin is absorbed into leaves and sheaths when applied and also moves from the soil into the roots. From there, it translocates up throughout the entire blade, providing control of turf diseases for up to 28 days.

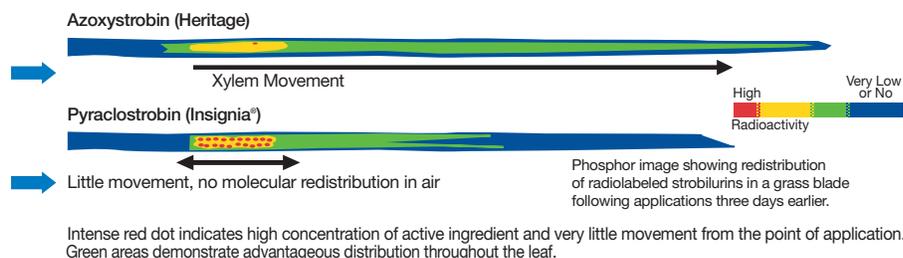
Total root-to-leaf distribution

Azoxystrobin, the active ingredient (AI) in Heritage, is taken into turf blades quickly for protection upon application. However, a significant portion of Heritage remains on the leaf surface. Upon irrigation, rainfall, or even a heavy dew, this remaining AI is washed down the surface of the turf. Some is then absorbed into the leaf, but the majority of Heritage moves into and through thatch to the soil. Here it is further absorbed by the roots to control soilborne diseases and continues up through the entire turfgrass plant for additional foliar protection.

Excellent mobility

Once in the plant, Heritage is highly systemic and transported through the xylem to cover all leaf tissue up to the tip of the leaf blades. It also moves translaminarily to cover the underside of the leaf. The active ingredient is constantly delivered upward for gradual, even distribution to new growth.

Redistribution of strobilurin fungicides over three days: A comparison



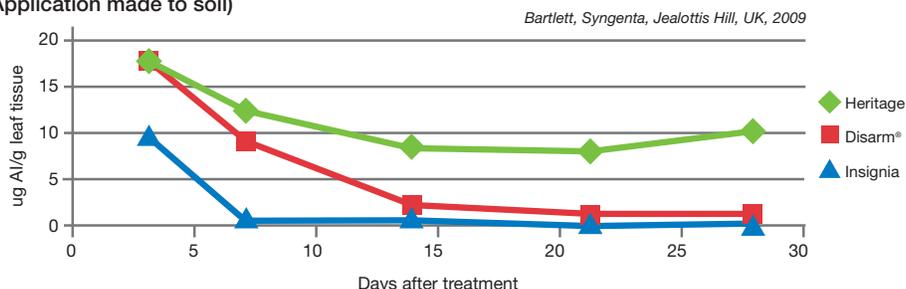
Added protection at mowing

With exudation through the stomates and after each mowing, Heritage:

- Protects following mowing injury
- Can be secondarily recycled via irrigation back into the soil and roots
- Moves up into new growth

Levels of AI recovered from leaf

(Application made to soil)

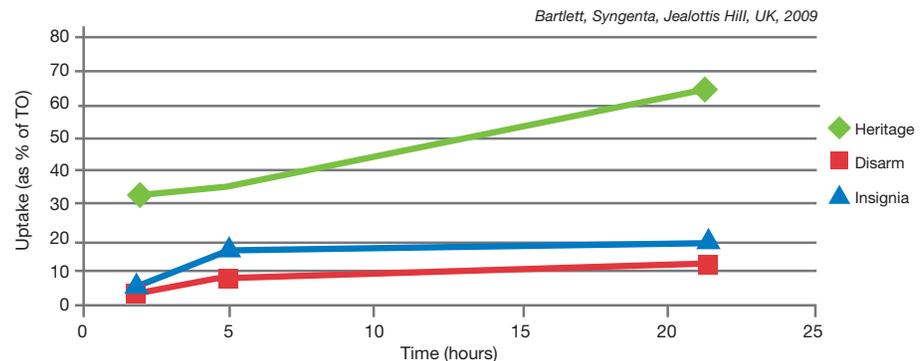


No-compromise control

Some strobilurins have little to no root uptake at all. Others may require more watering-in order or higher water volumes to be transported to the roots, which can sacrifice foliar control of diseases like brown patch, yellow patch, anthracnose, and leaf spot. Studies show that Heritage fungicide's degree of root uptake exceeds that of other strobilurins—like Disarm, Insignia, and Compass®—without compromising efficacy against foliar diseases.

Leaf uptake over 24 hours

(Application made to foliage; no irrigation)



Broad-spectrum protection

Heritage is a systemic fungicide with preventive and curative properties for control of some of the toughest turf diseases.

Labeled diseases

Anthracnose	Leaf and Sheath Spot	Pink Snow Mold	Stripe Rust
Brown Patch	<i>(Rhizoctonia zaeae)</i> ¹	Powdery Mildew	Southern Blight
Brown Ring Patch ¹	Leaf Rust	<i>Pythium</i> Blight	Summer Patch
Cool Weather Brown Patch	Melting Out	<i>Pythium</i> Root Rot	Take-All Patch
Fairy Ring	Microdochium Patch	Red Thread	Typhula Blight
Gray Leaf Spot	<i>(Fusarium Patch)</i>	<i>Rhizoctonia</i> Large Patch	Yellow Patch
Gray Snow Mold	Necrotic Ring Spot	Spring Dead Spot ¹	Zoysia Patch
Leaf Spot	Pink Patch	Stem Rust	

¹Note: Syngenta supports FIFRA Section 2(ee) recommendations for the use of Heritage 50WDG for control of Brown Ring Patch, *Rhizoctonia* Leaf Spot, and *Rhizoctonia* Sheath Spot and for the use of Heritage TL for control of Brown Ring Patch. For the sake of clarity, Heritage TL is currently labeled for use on *Rhizoctonia* Leaf Spot and *Rhizoctonia* Sheath Spot. Heritage TL and Heritage 50WDG are labeled for Spring Dead Spot.

Preventive anti-sporulant activity

Heritage delivers control at every stage of a pathogen's life cycle. This highly potent spore germination inhibitor prevents many fungal diseases before they occur and is also active after infection. To prevent infections, applications should be made well before visible disease symptoms occur.

Three effective formulations



Heritage 50WDG (water-dispersible granular)

- Forms stable suspension in one–two minutes
- Provides for easy product mixing and tank mixing
- Available in 4-oz bottles, 1-lb bottles, and 6-lb jugs

Heritage G (granular)

- Combines the efficacy of a liquid with the convenience of a granular
- Highly water soluble for quick uptake
- Available in 30-lb bags

Heritage TL (turf liquid)

- Features smaller particles in a unique MEC formulation
- Provides faster foliar and root uptake for quicker control
- Available in 10-gallon Link Pak™ containers and 1-gallon jugs



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