

Heritage Maxx

Disease protection that stays cut, after cut, after cut

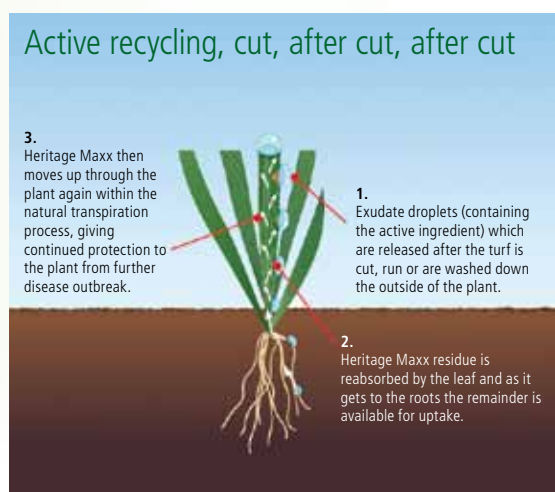
Heritage Maxx is a high performance systemic strobilurin fungicide, approved for the control of Fusarium Patch, Take-All Patch, Anthracnose, Brown Patch, Leaf Spot / Melting Out, Rust diseases and Type 2 Fairy Rings.

The renowned turf disease control of Heritage has now got even better and more efficient. Faster uptake and rapid movement through the plant means Heritage Maxx quickly gets to the site of infection and starts to tackle disease before damage is caused. The inclusion of Syngenta's unrivalled Maxx formulation has taken the world's top selling fungicide ingredient, azoxystrobin, to a new level for ease of use, longer-lasting control and consistently exceptional turf quality.

Root uptake captures more

The unique root uptake of Heritage Maxx gives the added advantage of tackling soil and root diseases at the source (such as Take-All Patch and Fairy Ring), ensuring maximum uptake and use by the plant. Any Heritage Maxx spray which lands on the thatch within the turf sward and is washed down into the root zone can be readily taken up by the roots and systemically translocated up through the plant*. This provides enhanced long-term disease control on new leaf growth.

Many other fungicides which end up in the thatch or soil on application are prone to being washed down through the soil profile and wasted. With the root uptake and movement of Heritage Maxx, more of the active is captured and fully utilised by the plant, with less risk of environmental loss into the soil.



Application rate

Maximum individual dose:	2.5 litres per hectare
Maximum number of treatments:	4 per annum



Heritage Maxx Benefits

- Five-way turf disease protection
- Seven foliar and soil diseases on the label
- Faster and more complete uptake by leaf and root
- Exceptional turf plant safety
- Easy to use Maxx formulation
- Active ingredient recycling gives long-lasting results
- No LERAP restrictions

Recommended use: all managed amenity turf, including fine turf, and amenity grassland

Heritage Maxx

Contains 95g/litre azoxystrobin
MAPP No. 14787.

Pack size	3 litre S-pac bottle
Packs per outer	4 x 3 litres
Pack coverage	1.2ha
Water volume	3

Period of use (dependent on plant growth)

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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Stable active

The new formulation of Heritage Maxx remains very stable once absorbed into the leaf and is slow to breakdown within the turf plant. This ensures that the inherently high level of activity against turf disease is still present weeks after application. In trials 90% of absorbed Heritage Maxx remained as the parent molecule in the leaf up to three weeks after application**.

Outstanding systemic properties

The optimised systemicity of Heritage Maxx has key benefits for turf health and disease protection by:

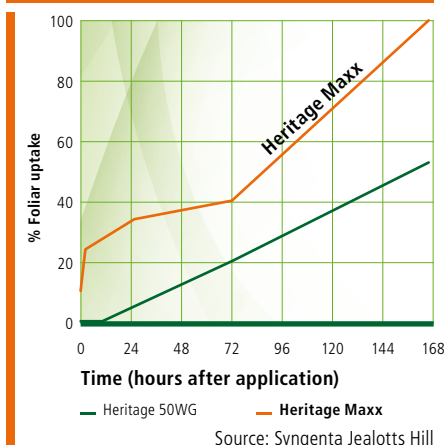
- Rapid local distribution through diffusion
- Translaminar movement through leaves
- Smooth and even redistribution in the xylem
- Universal distribution with no accumulation at leaf tips or margins
- Xylem movement to new growth
- Persistent delivery of fungicide activity after cutting
- Potential for recycling of active exudate from xylem after cutting

After cutting, any xylem exudate containing Heritage Maxx may be reabsorbed by the leaf and recycled within the plant to further protect from disease for longer. Furthermore, any active washed down into the root zone by rain or irrigation may be root absorbed, tackling soil-borne pathogens and reworking its way back through the plant to combat foliar disease. The movement of Heritage Maxx within the xylem will ensure optimum protection at the cut end of the leaf, which is the point most susceptible to disease ingress.

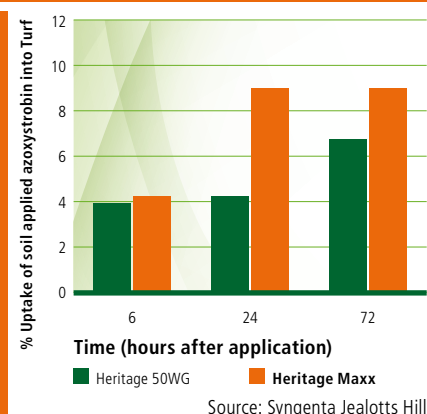
Label Approved Diseases

	Heritage Maxx	Pyraclostrobin	Trifloxystrobin	Iprodione
Fusarium Patch	✓	✓	✓	✓
Anthracnose	✓	✗	✗	✓
Brown Patch	✓	✗	✗	✗
Leaf Spot / Melting Out	✓	✗	✗	✓
Rusts	✓	✗	✗	✓
Take All Patch	✓	✗	✗	✗
Type 2 Fairy Ring	✓	✗	✗	✗
LERAP	No LERAP	Category B restriction	Category B restriction	Category B restriction

Uptake of Heritage Maxx is faster and more complete than granular Heritage



Heritage Maxx is absorbed by roots and translocated to the leaves more rapidly than Heritage 50WG



The Maxx Formulation – moves faster for quicker activity

The unique Maxx formulation has been specifically designed for turf applications. Its advantages include;

- Outstanding turf safety
- Increased and enhanced product uptake for faster effect
- Very stable in the sprayer tank
- Easy to use liquid formulation
- Compatible and easy to mix with other products

The precision manufactured sub-micron particles of active ingredient in the Maxx formulation ensure fast uptake and quick effects. Typically over 1,000 Heritage Maxx micelles would fit across the leaf opening of a single turf stomata. The fine particle formulation is very turf-safe and causes minimal stress to the plant as the active gets into the leaf and starts to work. The Maxx formulation bonds the active molecules onto the leaf surface, quickly making it safe from wash-off by rain or irrigation. In trials, 30% of the Heritage Maxx formulation had already been absorbed into the plant the day after application, compared to less than 5% with the granular formulation. After 72 hours, over 40% was in the plant and working, compared to 20% with the granular product. For the maximum possible efficacy, 100% of the active applied on the leaf was taken up by the plant a week after application, compared to 60% with the granular formulation.

Trials have shown faster root uptake with up to twice as much active absorbed and getting to work in the plant 24 hours after soil application, compared to granular Heritage. This is because the unique root uptake of Heritage Maxx gives the added advantage of tackling soil and root diseases at the source, ensuring maximum uptake and use by the plants. Any Heritage Maxx spray which lands on thatch within the turf sward and is washed down into the root-zone can be readily taken up by the roots and systematically translocated through the plant, providing enhanced long-term disease control on new leaf growth.

Other products in the Maxx family include the fast acting fungicide, Banner Maxx, and the UK's leading turf growth regulator, Primo Maxx.

* Ref: 'Biokinetics of Heritage Maxx' – Karen Meade, Biokinetics Research Scientist, Syngenta

** Ref: 'Heritage unique uptake and redistribution' – David Bartlett, Biokinetics Group Leader, Syngenta