



NANOMESH



MAXIMISE  
PROTECTION



 agrovista



 innovation  
range

#InnovationImpact



**NANOMESH is a cellulose nanofibre-based technology developed for application to crop foliage. When applied NANOMESH deposits a network of ultra-fine fibres across the leaf surface, forming a durable yet flexible physical layer.**

This layer is breathable and transparent, allowing normal plant processes such as photosynthesis and gas exchange to continue. NANOMESH is suitable for use across a wide range of crops and as part of integrated crop management programmes.

# What does it do?

**NANOMESH supports leaf protection by covering the leaf surface with a physical barrier that helps limit fungal penetration and external stress.**

By covering the leaf like a fine net, it reduces vulnerability at infection points while helping to moderate moisture loss from the leaf surface. This can support overall leaf condition and crop resilience, particularly when used alongside conventional crop protection strategies. NANOMESH complements existing programmes by helping to maintain healthy, functioning leaf area during key growth stages.

## Application

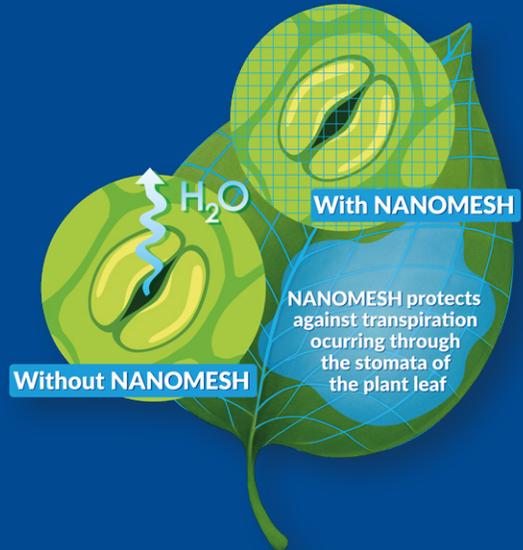
Use rate	1.0-3.0 l/ha
Total dose	8.0 l/ha
Crops uses	All edible and non-edible crops. Grassland and amenity grass
Water volume	100-200 l/ha applied as a fine to medium spray
Compatibility	Wide range of compatibility. Consult your agronomist

# How does it do it?

## Physical barrier



## Antitranspirant effect



## Features



- Cellulose nanofibre technology forming a physical layer on the leaf surface
- Micro-structured network that covers the leaf like a fine net
- Physical mode of action compatible with integrated crop management programmes

## Benefits



- Helps reinforce and protect the leaf surface
- Supports crop resilience under environmental and disease pressure
- Complements conventional crop protection programmes

# Results

## NANOMESH indicative performance 2024

KWS Extase, Lamport – Northamptonshire

System	Treatments	Yield (t/ha)
NANOMESH only	NANOMESH 1.0 x4 (Teb at second application)	9.35
NANOMESH + Innovation Range	NANOMESH + AA + Wholly K x2, Wholly K, 3alo T6p	13.31
Standard fungicide programme	Cello, Vimoy + Aviator, Myresa + Priaxor	13.00
Standard fungicide programme + NANOMESH	As above with NANOMESH	14.37

## NANOMESH indicative performance 2025

KWS Extase, Draughton- Northamptonshire

T0	T1	Yield (t/ha)
Arizona 1.0 + Tebucur 0.5	Arizona 1.0 + Thio S 3.0 + Tebucur 0.5	8.25
NANOMESH 1.0 + Tebucur 0.5	NANOMESH 1.0 + Thio S 3.0 + Tebucur 0.5	8.49
EXP Fungicide + Tebucur 0.5	EXP Fungicide + Tebucur 0.5	8.50
EXP Fungicide + Tebucur 0.5 + NANOMESH 1.0	EXP Fungicide + Tebucur 0.5 + NANOMESH 1.0	8.77

KWS Extase, Balne, Yorkshire

T0	T1	Yield (t/ha)
Arizona 1.0 + Tebucur 0.5	Arizona 1.0 + Thio S 3.0 + Tebucur 0.5	11.03
NANOMESH 1.0 + Tebucur 0.5	NANOMESH 1.0 + Thio S 3.0 + Tebucur 0.5	11.45

*Use plant protection products safely. Always read the label and product information before use.*



# innovation range

## Making a **real impact** on your farm

Bioscience products for healthier, productive crops. #InnovationImpact

# NANOMESH



Agrovista UK Limited

T: 0115 939 0202

E: [enquiries@agrovista.co.uk](mailto:enquiries@agrovista.co.uk)



@AgrovistaUK

[www.agrovista.co.uk/innovation](http://www.agrovista.co.uk/innovation)

*This product is a cellulose-based coating intended to provide a physical protective barrier on crop leaf and surface areas. It does not claim to prevent or control pests or diseases and has no chemical or biological mode of action. As such, it does not fall within the scope of the UK Plant Protection Products Regulation, nor is it classified as a fertiliser or biostimulant. Regulatory interpretations are based on current guidance and may be subject to change.*