

NURSPRAY® HC

fyteko
The Science of Biopossible

NURSPRAY® HC is a foliar spray featuring a cutting-edge Signal Molecule that boosts crop resilience and recovery under stress. This innovative formula, based on hydroxycinnamic oligomers, activates plants' internal tolerance mechanism towards abiotic stress.



TOP BENEFITS



- ENHANCED TOLERANCE TO WATER STRESS
- INCREASED FINAL YIELD
- ENSURES TRANSITION BETWEEN KEY GROWING STAGES UNDER ABIOTIC STRESS SITUATIONS



- SAFE, SUSTAINABLE AND NON-TOXIC
- NON-CLASSIFIED AS HAZARDOUS UNDER GHS
- NO RESIDUES

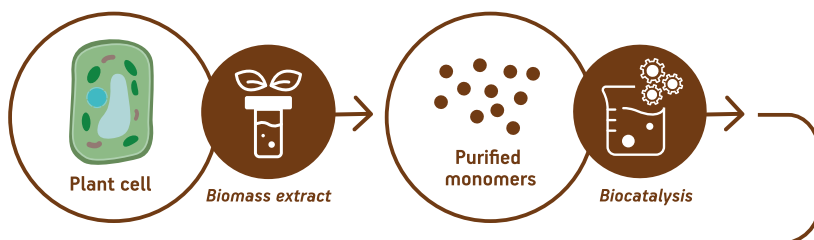


- EFFECTIVE PREVENTIVE ACTION WITHIN 24 HOURS OF APPLICATION
- FULLY COMPATIBLE IN TANK MIX WITH MOST AGROCHEMICAL AND BIOLOGICAL SOLUTIONS
- LONG SHELF LIFE = 2 YEARS

KEY TECHNOLOGICAL CONCEPT

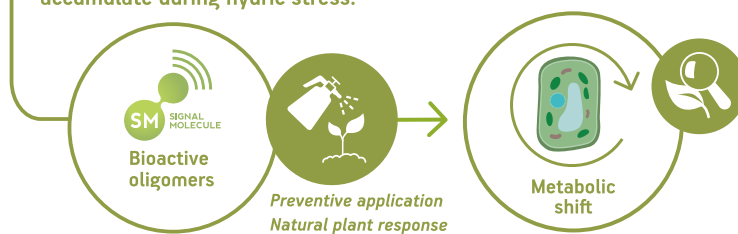
PRODUCTION PROCESS

The signal molecule is produced by extracting monomers from plant cells, which then go through a biocatalysis process to recreate the naturally occurring bioactive oligomers.



Through the application of our novel Signal Molecule, Nurspray® HC induces the production of osmolytes and antioxidants that the plants naturally accumulate during hydric stress.

EFFECT ON THE PLANT



This long-lasting pre-activation triggers the plant's capacity to resist better, respond faster, and recover more efficiently after stress, delivering a long-term effect that strengthens its resilience throughout the plant lifecycle.

MODE OF ACTION

1

NURSPRAY® HC APPLICATION

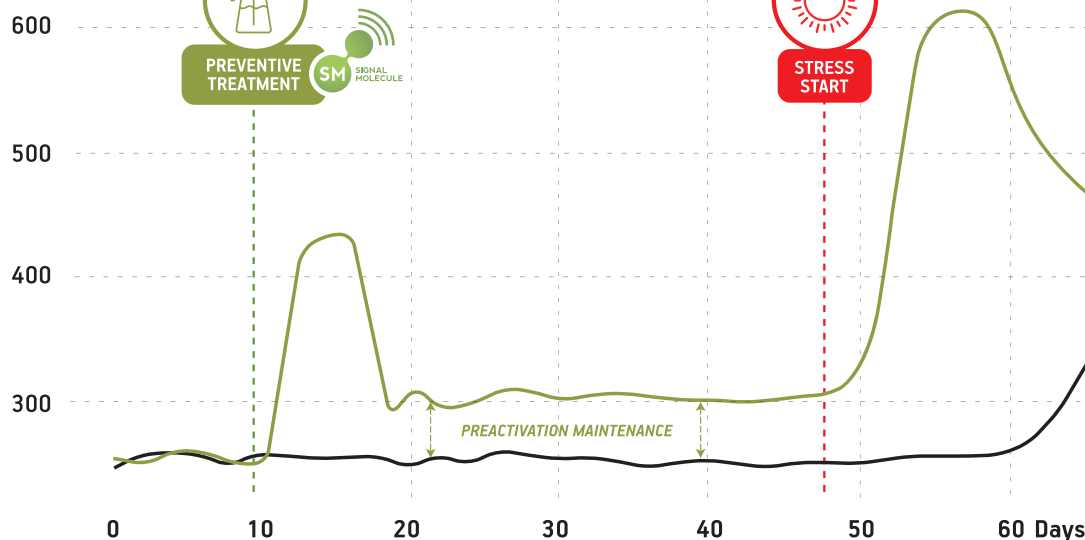
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INDUCTION OF INTERNAL OSMOPROTECTANTS SYNTHESIS

3

QUICKER RESPONSE AND ACTIVATION OF DEFENSES

Internal osmoprotectant content
(Proline $\mu\text{mol/g}$ fresh weight)



Research shows that plants treated with NURSPRAY® HC are better protected and recover quicker from an abiotic stress, resulting in yield increase.



Treated with NURSPRAY® HC



Untreated