

# BioStart PHENOLIX



Plant-Safe natural biocide for post-harvest treatment and surface sterilisation.

## FEATURES OF BIOSTART PHENOLIX

- Contains a blend of plant-derived phenolic compounds that have strong biocidal properties
- Ideal for machinery wash-down
- Eliminates biological contaminants when used in washing
- A liquid formulation designed for use in irrigation and spray system without blocking

**PLANT SAFE**  
IN-CROP or POST-HARVEST USE

**FAST**  
ACTING

**ELIMINATES BACTERIAL,  
FUNGAL AND VIRAL CONTAMINANTS**

**TUBER AND BULB DIP**

**SELECTIVE CONTROL**

**USE IN SPRAY, DRIP  
AND IRRIGATION EQUIPMENT**

BioStart PHENOLIX utilises the natural plant response to pathogens by mimicking their production of phenolics to deter diseases. The unique combination of phenolic compounds has a significant effect on pathogenic species of bacteria and fungi, but are also shown to have low efficacy on beneficial fungi and bacteria.

Phenolix can be used as a pre-planting dip on known diseased tissue, as well as a soil drench where diseases are known to be present.

Use on post-harvest material will reduce bacterial and fungal diseases which are known to cause reduction of shelf-life, such as Botrytis, Penicillium, Alternaria, Aspergillus, Colletotricum, Fusarium, Geotrichum, Phomopsis and Rhizopus. Studies have shown the reduction of diseases to below 2 c.f.u per gram of tissue.

Phenolix is a safe and convenient solution for modern agriculture due to its selective nature, and can be used when crops are present for surface sterilisation (eg trays and plastics). Phenolix degrades rapidly and efficacy diminishes rapidly with further dilution.



## Application rates

	Rates	Water Volume
PRE-CROP USE (Soil) (Bulb/Tuber)	1000-2000ppm 1000-1500ppm	Use with surfactant in drip irrigation. Use as a dipping solution
IN-CROP USE (Surface sterilisation)	800-1200ppm Do not exceed 1500ppm	For coverage of surfaces. Use when plants are semi/mature onwards.
POST-HARVEST USE	1500-3000ppm	Use within conventional water washing equipment
SURFACE STERILISATION	up to 4000ppm	As required

Available in:  
5L Bottle  
20L Can

NOTE: The suggested rates of application are designed for typical UK conditions and such should be used as a guide only. Each farmer's climatic conditions, water quality, soil types, application processes and practices may differ and therefore necessitate corrections to ensure optimum results. Good agricultural practice requires that application be avoided under extreme weather conditions such as temperatures over 28 C, high humidity, frost, rain etc. It is recommended that when applying to a crop or area for the first time, or in combination with other chemicals, a small test area should be sprayed and observed prior to the total spray. Where possible, it is recommended that regular leaf (sap) tests are conducted to determine actual plant nutrient availability during each growth cycle. Soil tests at least once per year are essential

Mix well before use.

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