



## **YM-FAB POST HARVEST CHEMICALS AND EQUIPMENT**

December 2017

### **What is Ym-Fab Nylate™®?**

Ym-Fab Nylate™® is made from the Dead Sea Bromine Salts and is in the form of granules which require an erosion feeder to dissolve. It is a highly sophisticated broad spectrum halogen based biocide. When added to water it forms two outstandingly effective biocides – Hypochlorous acid and Hypobromous acid. Optimum level of disinfection is in a pH range of 7.5 – 8.5. However it does work outside this range – with longer contact time.

There are no long term residues. Ym-Fab Nylate™® will provide initial kill of pathogens but produce will need to be placed a clean cool room or packaging as quickly as possible. In some cases a protective fungicide is required for export or long term storage.

After Ym-Fab Nylate™® has done its job of killing pathogens, all of its active components convert back to original salt components.

### **Ym-Fab Nylate™® has a place in all water treatment applications.**

Controls rots and moulds in post-harvest crops of fruits, vegetables and cut flowers.

Control algae and bacteria in irrigation supply water and recycled water.

Slime control in cut flowers.

Controls human pathogens as E.coli, Staphylococcus and Salmonella in wash water.

General Disinfectant of cool rooms, bulk bins, tools, floors, packing lines, protective clothing and graders. Areas which are quite often overlooked.

Purifies supply and re-used industry water of questionable quality.

### **Ym-Fab Anylate P®**

Powder form of the halogen based biocide known as bromine. It does not require an erosion feeder to dissolve and is ideal for manual shed operators on a small scale production.



18 Embrey Crt. Pakenham Vic 3810

Ph: (03) 5940 1077 Fax: (03) 5940 2599 Email: wobelea@wobelea.com.au

Z:\SBMain\Ym-Fab Post Harvest\NYLATE INFORMATION - DEC 2017.doc

POST-HARVEST  
**YM-FAB**  
CHEMICALS



## **Chemical Levels for Clean Safe Produce:**

With all Post Harvest water treatment it is important to maintain the following:-

Correct Ym-Fab NYLATE™® or Ym-Fab Anylate P levels for protective disinfection at 5-10 ppm..

Correct Ym-Fab CLOBR™ or Ym-Fab HiHO levels to maintain pH and alkalinity so Ym-Fab Nylate™® / Ym-Fab Anylate P can work effectively.

Contact times for relevant crop.

Log Book recordings and how often

### **Ym-Fab HIHO™-** Post Harvest Water Balancer

Liquid Inhibitor – automatically dosed from peristaltic pump.

Neutralize acid from Produce.

Oxidize metal contamination.

Stabilize pH and Alkalinity.

Contains Corrosion Inhibitor.

### **Ym-Fab CLOBR™.** Post Harvest Water Balancer.

Powder formulation for manual dosing.

Adjusts pH to 8.2 to stabilize Redox Probe output.

Adjusts Total Alkalinity to 150 ppm minimum.

Adds corrosion inhibitor to protect metal surfaces

### **Ym-Fab ACTIV 8™®.** Chlorine Tablets For Post Harvest Water Treatment.

Label Rate 25-80 ppm as Free Chlorine.

## **EQUIPMENT DESIGN FOR PACKING SHEDS. KEY POINTS.**

Volume of water v crop load.

Flow rates and water turnover.

Sand Filtration and sizing.

Nylate dosing capacity.

New controller/ data logger. Tightening of dose parameters and recording of data.

Auto backwashing of filters done with separate source of water. This prevents daily dumping of hydro-cooled water.

Automatic Liquid Inhibitor Dosing.

Separate Ym-Fab Nylate™® dose pump linked to controller/data logger.

Effective screens/ pre strainers to catch leaf matter prior to filtration

## **CHANGES AFFECTING PACKHOUSES.**

Water quality.

Field Heat.

Pathogen Load in Orchard.

Water use / Recycling.

Packaging. Clam Shell, Flow wrap.

Efficient Post Harvest Treatments.

Safe Food.

Good Pack-out Results.



18 Embrey Crt. Pakenham Vic 3810

Ph: (03) 5940 1077 Fax: (03) 5940 2599 Email:wobelea@wobelea.com.au

Z:\SBMain\Ym-Fab Post Harvest\NYLATE INFORMATION - DEC 2017.doc

POST-HARVEST  
**YM-FAB**  
CHEMICALS

