

# WATER SANITATION AT POINT OF ENTRY

Available actives	Concentration	pH of mixture	ORP	Exposure time
<b>Calcium hypochlorite (Chlorine; Ca(ClO)<sub>2</sub>)</b>	150 – 200 ppm 75 – 100 ppm free chlorine (30 g / 100 l of a 680 g/kg formulation)	6,5 – 7,5	> 800 mV	2 min (minimum)
<b>Chlorine dioxide (ClO<sub>2</sub>)</b>	Please consult with the supplier, differs for each system	5,0 - 7,5	≥ 670 mV	2 min (minimum)
<b>Clove oil</b>	0,2% (2 l/100 l of the 10 % formulation)	> 5,5	N/A	1 - 3 min
<b>Ozone (O<sub>3</sub>)</b>	Consult supplier	N/A	N/A	15 s
<b>Peracetic acid (PAA)</b>	140 - 420 ppm Higher ppm can lead to phytotoxicity 0,1 – 0,4%, depending on formulation	3,0 – 8,0	N/A	1 - 2 min

## Concentration Management

1. The use of an automatic dosing system is preferable.
2. Always dissolve granular chemicals in lukewarm water (35 – 40°C) before adding to the flume.
3. Maintain concentration and mixture parameters (e.g. pH) to keep products effective – measure every 2 hours.
4. Replace recirculating mixtures when dirty, but at least weekly.

## Warnings and Important Information

1. Some sanitation (disinfectant) products are incompatible with fungicides or each other. Always check the compatibility before use.
2. Some sanitisers will dissipate after a period of time so concentration measurement and management is crucial.
3. The efficacy of a system is dependent on each unique packhouse, e.g. roof height, air flow, humidity, length of line, etc.
4. Pre-sort and remove decayed/injured fruit to reduce pressure on the system and prevent the spread of disease.

# WATERSANITASIE BY PAKLYNINGANG

Beskikbare aktiewes	PARAMETERS			
	Konsentrasie	pH van Mengsel	ORP	Blotstellingsperiode
<b>Kalsiumhipochloriet (Chloor; Ca(ClO)<sub>2</sub>)</b>	150 – 200 dpm 75 – 100 dpm vrye chloor (30 g / 100 l van 'n 680 g/kg formulاسie)	6,5 – 7,5	> 800 mV	2 min (minimum)
<b>Chloordioksied (ClO<sub>2</sub>)</b>	Konsulteer verskaffer, stelsels verskil	5,0 – 7,5	≥ 670 mV	2 min (minimum)
<b>Naeltjie Olie</b>	0,2% (2 l/100 l van die 10 % formulاسie)	> 5,5	Nvt	1 - 3 min
<b>Osoon (O<sub>3</sub>)</b>	Konsulteer verskaffer	Nvt	Nvt	15 s
<b>Perasynsuur (PAA)</b>	140 - 420 dpm Hoër dpm kan lei tot fitotoksiteit 0,1 – 0,4%, ahangend van formulاسie	3,0 – 8,0	Nvt	1 - 2 min

## Bestuur van Konsentrasie

1. Maak verkieslik gebruik van 'n outomatiese doseringsstelsel.
2. Los altyd korrelrige chemikalieë op in lout water (35 – 40°C) voor byvoeging in tenk.
3. Handhaaf deurgaans korrekte konsentrasie en mengsel parameters (bv. pH) vir effektiewe werking van produkte – meet elke 2 ure.
4. Vervang die gehersirkuleerde mengsel wanneer vuil, ten minste weekliks.

## Waarskuwings en Belangrike Inligting

1. Sekere saniteermiddels (ontsmettingsmiddels) is onverenigbaar met swamdoders of met ander saniteermiddels. Maak seker van verenigbaarheid voor gebruik.
2. Sekere saniteermiddels se konsentrasie sal verminder oor tyd, dus is meting van konsentrasie en bestuur krities.
3. Die effektiwiteit van 'n stelsel is pakhuisafhanklik, bv. die dakhoogte, lugvloei, humiditeit, lynlengte, ens.
4. Voorsorteer en verwyder vrot/beseerde vrugte om siektdruk op die stelsel en die verspreidingsrisiko te verminder.

For further specifications contact the suppliers of the above mentioned products.  
**ALWAYS REFER TO PRODUCT LABELS FOR APPLICATION DETAILS.**  
 MRL list and restrictions: Visit [www.cga.co.za](http://www.cga.co.za) or email [ph@cga.co.za](mailto:ph@cga.co.za) for "RECOMMENDED USAGE RESTRICTIONS FOR PLANT PROTECTION PRODUCTS ON SOUTHERN AFRICAN EXPORT CITRUS"