

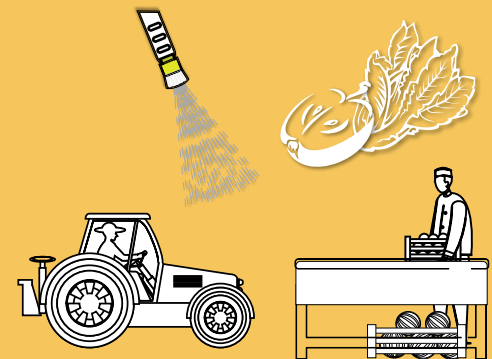
# CITRAN



## CITRAN 1 - NATURAL SANITISER

### Natural Commercial grade sanitiser and disinfectant

- Sanitises & disinfects all hard surfaces, walls, floors & machinery
- Fruit & vegetable sanitiser
- Not affected by presence of dirt
- 100% Natural, non-toxic & non-corrosive
- Excellent for footbaths because dirt does not affect efficacy
- Requires no rinsing



### How Citran works

Citran 1 Sanitiser does not poison the organism but acts by destroying the cellular membrane of a micro-organism (cell wall intrusion). Within a few hours of application the natural components that remain will have either combined with the organic acids and sugars present in the food, or broken down further into harmless components, leaving no detectable residues or toxicity.

### Safe for food contact situations

Citran meets the requirements of FSANZ for use as a processing aid under GMP for most raw foods including uncooked crustaceans, fruit and vegetables and poultry.

### Effective Sanitiser

Citran 1 Sanitiser reduces the bacteria loading and keeps it at low levels, to the point of eliminating them, reducing the risk of food poisoning. When used at recommended rates, Citran 1 will kill 99.99% of germs to the ARTG standard test for commercial grade disinfection. (Option C Method)

### Fruit & Vegetable Sanitiser

Citran is ideal for washing of whole fruit and vegetables, including leafy greens, before packaging and can be used to sanitise fruit and vegetables such as apples, oranges, lettuce cucumber, etc prior to packaging. Dilute in clean water before use.

### RATES

#### Commercial Grade Sanitiser:

Floors, walls, benches - 20ml/L (2% solutions)

#### Commercial Grade Disinfection:

Hard surface and processing equipment disinfection - 50ml/L (5% solution)

#### Biosecurity

- 50ml/L (5% solution)
- Sanitising vehicles, agricultural equipment, foot baths

#### Cool Room Fogging

- 5ml/L - produce present
- 20ml/L - empty
- Best used in water between pH 5 & 8, and temperatures under 60°C.

#### Fruit & Vegetable Sanitiser:

Dip & Spray

- 2.5ml/L (0.25% solutions) - minute contact time
- 5ml/L (0.5% solution) - 1 minute contact time
- may foam in high pressure sprays

**Pack sizes: 1L, 5L, 20L,**

### Specifications

Active Components - Octanoic acid, bioflavonoids (bitter orange extract).

Water Quality - suits a wide pH range: 5-8; Temperature up to 60°C; Dilute with potable water

## Keep your people and customers safe!

# CITRAN 2 - Multi-Purpose Cleaner

Citran 2 Multi-Purpose Cleaner cuts through grease and stains without the need for strong chemical or corrosive cleaners; also contains a natural sanitiser.

- All natural concentrate
- Food safe ingredients
- Non-corrosive and non-volatile
- Low to moderate foam

Packaging plant, cool rooms and transport vehicles can be cleaned and sanitised using Citran 2 to eliminate the risk of biological contamination.

Citran 2 Multi-Purpose Cleaner is a high performance cleaner made to high standards. It does not have the toxic, corrosive, or irritating side effects of strong chemical based cleaning formulations, yet produces outstanding performance results. It is low to moderate foam in use.

Certified by NASAA as an input for Organic Production.

## Directions for use:

Dilute in clean water before use.

1-4% solutions (medium to heavy soil)

"Spray and Wipe" Solution 20ml/L water

Floor Cleaner

25ml/L

## Safety Information

Non-hazardous, non-toxic.

We recommend keeping away from children and avoiding contact with eyes. If contact with eyes occurs flush with water.

**Pack sizes: 5L, 20L, 200L**



# CITRAN 1 - TEST RESULTS

## Effectiveness of Citran 1 against Fusarium Chlamydospores

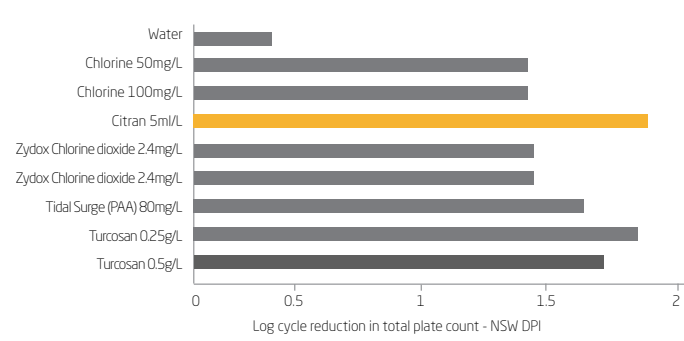
Treatment	Contact Times *	No soil # colonies	With Soil # colonies
Control (water + Fusarium)	0	659.3	791.6
	5 minutes	684.6	787
	30 minutes	597.2	785.7
	24 hours	347.3	782.4
Citran 1 (1 : 10 dilution)	0	0.4	0
	5 minutes	0	0
	30 minutes	0	0
	24 hours	0	0
Farmcleanse (1:10 dilution)	0	17.8	11.2
	5 minutes	8.2	5.7
	30 minutes	9.4	7
	24 hours	1.2	1.3

Note:

- Conducted by Dept of Agriculture & Fisheries (Qld DAF)
- Chlamydospores will survive for up to 30 years in soil and are considered the main long term infection source.
- "Due to the seriousness of the disease (Panama) to the banana industry, we would not recommend the use of a product unless undetectable levels (zero) were achieved in this bioassay." - Qld DAF

\* Time is the sampling time. The samples are incubated for 48 hours and then # colonies reported.

Reduction in total plate count by sanitisers



## Test Results (1 minute dip in Citran 1 - 0.5% solution)

### Tomatoes



Pears 24 days post treatment