

SAFE

With an Oral and Dermal LD₅₀ > 2000 mg/kg, Neem 600WP is classified as Non Toxic by WHO standards

EFFECTIVE

Both in extensive field trials under rigorous test conditions, and detailed laboratory bioassays, Neem 600WP has shown excellent and consistent performance in the effective control of greenhouse whitefly

STABLE

Due to the unique WP formulation, the active compounds of Neem 600WP are remarkably stable following foliar application, ensuring its effectiveness for the duration of the recommended spray programme. In addition, the product was able to be granted a two year shelf life – efficacy is consistent during this period.

NO RESISTANCE

As Neem 600WP contains the full compliment of active compounds, pest resistance is virtually impossible. This overcomes one of the major difficulties with using conventional pesticides.

NO PHYTOTOXICITY

The wettable powder formulation is designed specifically to be safe to plants. At recommended application rates, there is no possibility of spray damage

IPM COMPATIBLE

Laboratory tests and grower experience shows that beneficial insects such as *Encarsia formosa* are unaffected by residues of Neem 600WP. Beneficial insects can be re-introduced immediately following application.

Neem 600WP Product Characteristics

A light brown powder

Formulation type: Wettable Powder (WP)

Specific Gravity: 500 - 650 g/l

Release Specifications:

- pH 4.0 - 5.0,
 - Particle Size 95% < 75 µm
 - Batch shows efficacy against test population
- Wettability: 3 seconds under FAO protocol
- Suspensibility: >80 % (Az-A) using FAO protocol

Packaging:

4 sealed 2.5kg packages in 10 kg cardboard carton.

(This is the amount required for one complete spray programme on 1000m²)

Compatibility:

Test any mixtures on a small section of crop prior to widespread use.

Grower experience indicates that Neem 600WP should be compatible

with most other WP, WDG and DF formulations.

Neem 600WP will not disrupt the normal management of your crop:

- No re-entry restriction
- No limitation on the use of other sprays
- No special climate requirements
- No effect on pollinator insects

Available From:

8 Suntec (NZ) Ltd 2006

Suntec (NZ) Ltd P O Box 41 Tokomaru 4864
www.suntec.co.nz



NEEM



600WP

Neem Wettable Powder

Botanical Insect Growth Regulator



Made in New Zealand

PRODUCT INFORMATION

Neem 600WP is a unique wettable powder formulation of neem, which contains active ingredients such as the azadirachtins and salannin from the Indian Neem tree, which affect feeding, and growth and development of insect pests established on treated plants. Most insect plant pests are extremely sensitive to minute quantities of these compounds which interfere with their hormonal systems and some will not even eat treated leaves preferring to starve instead.

Neem 600WP contains neem kernel powder, optimized for control of whitefly as a growth regulator, Registered for use on Tomato, Eggplant, Apples Kiwifruit and ornamental crop plants.

Besides greenhouse whitefly, the product controls caterpillars, aphids and thrips.

Being powder based and oil-free, the product does not pose a risk of spray damage on sensitive plants.

The powder formulation improves the stability of active ingredients during storage and after application.

Neem 600WP is safe for beneficial insects, and assists with the management of IPM programs by reducing pest numbers to below manageable thresholds.

Neem 600WP is essentially non-toxic ($LD_{50} > 2000\text{mg/kg}$) once sprayed on plants and is safe to use.

The active ingredient does not leave toxic residue on treated crops —there is no MRL.

Insect pests do not develop resistance to products such as Neem 600WP where the full spectrum of neem ingredients are active.

INTEGRATED PEST MANAGEMENT of GREENHOUSE WHITEFLY



Neem 600WP acts to prevent larval stages developing from 1 instar to the next.

There are 4 larval stages in Whitefly.

Timing of applications needs to be determined by monitoring numbers of nymphs on the undersides of leaves.

Whitefly eggs are laid on the newest leaves, and these eggs then take approximately 14 days to hatch and develop to the second instar stage at which point they are readily visible.

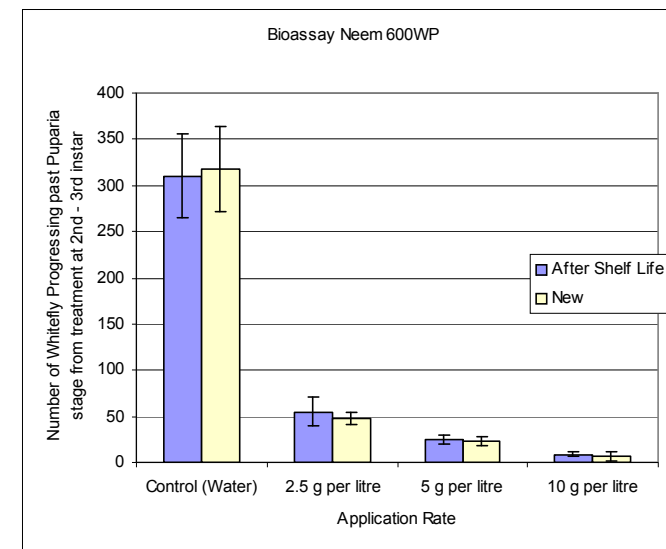
When nymph numbers reach a threshold level, of 10 to 20 per leaf a programme of four applications of Neem 600WP at 7 day intervals should commence to reduce numbers of nymphs to below the threshold.

These applications should be interspersed with two applications of a fast acting knockdown insecticide with short residual life to eliminate any adults which may be present, one at the start of the programme and the other 21 days later.

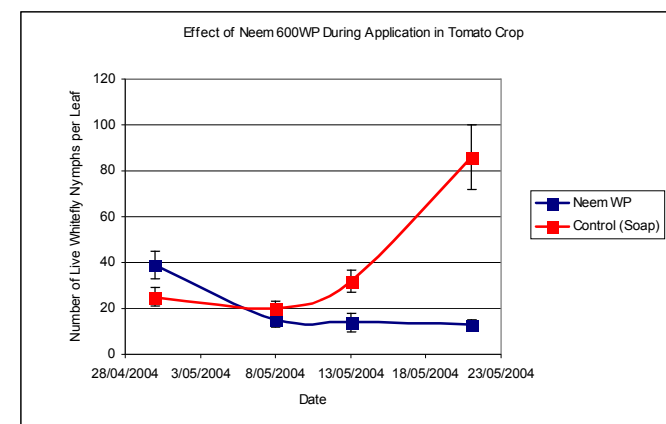
Numbers of nymphs per leaf should be monitored at weekly intervals during this spray program, and if adequate control is not being achieved the timing of sprays should reduce to every 3 days.

This 28 day programme should bring whitefly populations down to manageable levels for *Encarsia* or other biological controls to be re-introduced

Proven Effectiveness and Stability



Data: Crop and Food Research, February 2005



Data: Suntec (NZ) Ltd, May 2004

Registered pursuant to the ACVM Act 1997 No. P 7363

Refer to www.nzfsa.govt.nz/acvm for conditions of registration

