



isoCLEAR® HPO

*n*C₂₃ HORTICULTURAL PARAFFINIC OIL

Horticultural Paraffinic oil

isoCLEAR® takes Horticultural Paraffinic Oil innovation to the next level. Its hyper spreading technology ensures the highly paraffinic oil covers leaves, fruit and pests rapidly, evenly and thoroughly. Better coverage means better insecticidal activity against a range of pests such as Aphids, Scale, Mites and Mealybugs on horticultural crops and better banana disease control from contact fungicides.



An Agricultural
Sciences Company



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Features

- Extraordinary leaf coverage from each droplet maximises the physical modes-of-action of the paraffinic oil including blocking pest respiration and ovipositional (egg laying) deterrence.
- Works in partnership with beneficials and so doesn't flare secondary pests, making it an ideal IPM option.
- Low phytotoxicity risk from its highly paraffinic, *n*C23 base oil.
- Registered for control of pests in horticultural crops, refer to the product label for details.
- Formulated with biodegradable, non-ionic emulsifiers.
- Emulsifies readily in water for superior tank dispersion.
- Acts as an adjuvant for other insecticides by improving the coverage, spreading and wetting action.

Benefits

- Soft on beneficials.
- Ideal Integrated Pest Management (IPM) component.
- Excellent rotation choice in resistance management strategies.
- Excellent storage properties.
- Rinses Clean with water.
- No persistent environmental residues.

Recommended Applications

Bananas

An effective stand-alone fungicide, or carrier adjuvant for DMI fungicides or dithiocarbamate fungicides.

Tree Crops

An effective insecticide for light to moderate pest infestations in Citrus, Stone and Pome fruit. Time applications to target the crawler stages of pests with volumes adjusted proportionally for tree size, planting density, target foliage, canopy density and degree of infestation.

Hyper-coverage

The physical mode-of-action of paraffinic formulations demands extensive coverage for effectiveness. Figure 1a and 1b show how effectively isoCLEAR® droplets spread and cover the surface of a leaf. As shown in figure 1b, isoCLEAR® provides even coverage ensuring all areas of the leaf receive a similar dose of paraffins, thereby avoiding phytotoxicity issues that can arise in leaf areas that receive concentrated droplets at the expense of other areas that receive no coverage.



Figure 1a

The area covered by two droplets of conventional paraffinic oil formulation (LH leaf) 30 seconds after placement and isoCLEAR® (RH leaf) droplets placed at the same time.

Figure 1b

The droplet coverage after 20 mins. The isoCLEAR® droplets have spread to many times their original size (RH leaf) while the conventional paraffinic oil droplets have only spread a little (LH leaf).

Photos courtesy D. Johnson

Key Details

Registered crops: Citrus, Bananas, Pome/Stone fruit and Ornamentals

Active ingredient: paraffinic oil 812g/L

Equivalent *n*-paraffin median carbon number: *n*C23

Unsulphonated residue: no less than 98%

Pack Sizes

20 L, 1000 L

Refer to product label for full mixing and application instructions.

For further information please visit www.fmccrop.com.au or contact your local representative.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS.

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