

## Excel® Oil Range

Excel® Spring Oil | Excel® Oil | Excel® Organic Oil



Excel® Oils are formulated in New Zealand using the highest quality emulsifiers and mineral oil.

Excel® Oils typically have an unsulphonated content that typically exceeds 95%, GroChem label to the highest international standard for Horticultural minerals of an unsulphonated residue being a minimum 92%.

Excel® Oils have been independently trialed in New Zealand by HortResearch.

New Zealand has a unique climate with unique challenges.

Excel® Oils are formulated using special emulsifiers developed specifically for New Zealand conditions. It is these emulsifiers combined with the highest quality horticultural paraffinic mineral oil that gives Excel® Oil the highest level of efficacy, crop and handler safety.

Excel® Oils do not require a DG to transport. Always read the label before use. Do not apply in temperatures exceeding 20°C.

### Using Mineral Oils: How does a mineral oil work?

Mineral oils work by blocking the breathing holes or trachea of insects smothering them. Unlike most chemistry this is effective at all stages of the life cycle, including the eggs.

Mineral oils kill only those insects it covers on the initial spray application. No residual effect on insect populations exists.

Excel® Oil's effect on beneficial insects is short lived or non-effective, maintaining balance within the orchard.

Mineral oils work best when applied as two applications of 1% rather than one application of 2%!

**Excel® Spring Oil** - 820g/L - is for dormant/out of season use. Excellent clean up spray for scale and mites. In grapes we recommend the use of oil with a suitable insecticide to obtain optimum control of Mealy Bug.

**Excel® Oil** - 843g/L - is a gentle in season spray oil to control crawling insects such as Scale, Mites and Thrips while preserving beneficial insect numbers. Can also be combined with other insecticides to increase their efficacy.

Powdery Mildew in Grapes - Excel® Oil will provide good control of powdery mildew in grapes, it is especially suited to times when Sulphur use is an issue to workers or efficacy of sulphur is limited by temperature. Oils should not be considered as a standalone control program especially under moderate to heavy pressure.

**Excel® Organic Oil** - 832g/L - is the same high quality oil as Excel® Oil, but with a new emulsification system that meets all international standards for organics and is well proven to be effective and safe to use on the most oil sensitive crops. *BioGro approved.*