

# Excel® Plus

## SPRAYING OIL

ENHANCED HORTICULTURAL MINERAL OIL INSECTICIDE & FUNGICIDE

### Improved scale control

Enhanced control of scale insects over standard oil formulations – 15% increase in scale mortality.

### Increased coverage

Greater coverage and penetration into crevices and hard to wet sites on plants, improving contact with pests and diseases.

### Advanced oil spreading in one container

- No mixing
- No measuring
- No mistakes

No additional surfactants required, simple to handle and measure. No pre-mixing, nor additional chemical to measure.

Combination of high quality mineral spray oil and an advanced oil spreading surfactant.

Suitable for use in the dormant period and in season on a wide range of sensitive crops.

The advanced oil spreading surfactant greatly reduces the surface tension of the oil and continues to spread even after the spray water has dried.

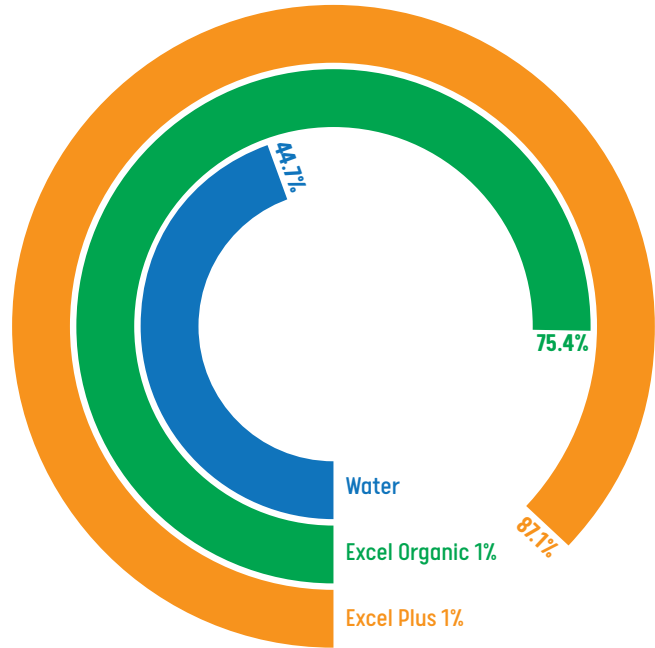
Coverage of a single spray droplet on grapes leaf increased by 22.5% over oil alone!

Coverage of single spray droplet on avocado leaf increased by 52.5% over oil alone!

*Excel is registered trademark of Agrinova NZ Ltd.*

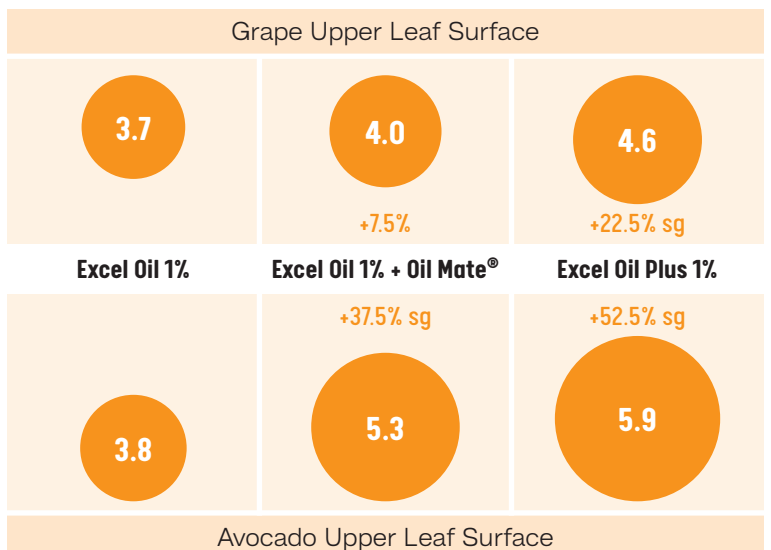
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Mortality of second instar Armoured Scale seven days after application



Spreading mm<sup>2</sup> of 0.001 ml spray droplet

Treatment	Grape Leaves		Avocado Leaves	
	Upper	Lower	Upper	Lower
Excel® Oil 1%	3.7b	2.7c	3.8d	4.2c
Excel® Oil 1% + Oil Mate*	4.0b	2.7c	5.3b	3.3c
Excel® Plus Spraying Oil	4.6b	3.0c	5.9a	4.6c



Means with common post scripts are not significantly different (LSD P0.05)  
Oil-Mate is a registered Trademark of ETEC Crop Solutions. — Robyn Gaskin, PPCNZ, 2012