

Excel® Plus Surfactant

Enhanced horticultural mineral oil spreader for insecticides

For Increased coverage and wetting of cryptic and hidden pests

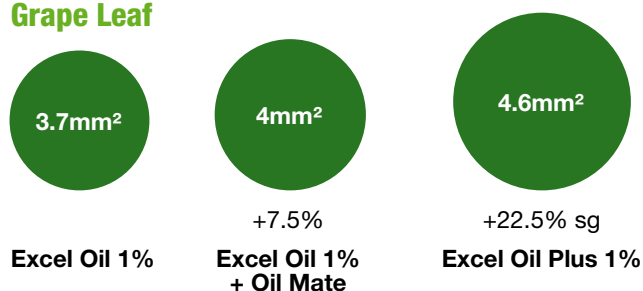
Advanced oil spreading all in one:

- No mixing**
- No measuring**
- No mistakes**

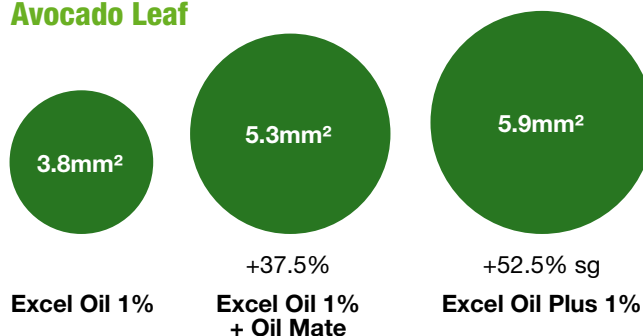
- Combination of high quality mineral spray oil and an advanced oil spreading surfactant.
- No additional surfactants required, simple to handle and measure. No pre-mixing, nor additional chemical to measure.
- Suitable for use in the dormant period and in season on a wide range of crops, with agrichemicals where oil surfactants are recommended to enhance spreading, adhesion and penetration.
- The advanced oil spreading surfactant contained greatly reduces the surface tension of the oil and continues to spread the oil even after the spray water has dried.
- Greater coverage and penetration into crevices and hard to wet sites on plants, improving contact with pests and diseases
- 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!
- Use example - Mealy Bug control, applications of Exault (Buprofezin) at bud movement in grapes should be mixed with Excel Plus Surfactant at 1%. See label for more information.

Coverage of 0.001ml spray droplet

Grape Leaf



Avocado Leaf



Spreading mm² of 0.001ml 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 Surfactant	4.6b	3.0c	5.9a	4.6c

Means with common post scripts are not significantly different (LSD P0.05).

Robyn Gaskin, PPCNZ, 2012

*Oil Mate is a Trade Mark of Elliot Technologies.