



PIVOTAL
AGRO-SERVICES



ECKOSIL®

A SILICON BASED SPRAY ADJUVANT TO ENHANCE EFFICACY OF PESTICIDES. CONTAINS PLANT AVAILABLE SILICON (Si), A FUNCTIONAL ELEMENT FOR PLANT GROWTH.

Trade Name: ECKOSIL
Active Ingredients: Silicon + Silicon Dioxide 43.36g/l
Registration No: 20-ADJV-14-1
Target crops & Pests: See Below Table

Mode of Action:

ECKOSIL contains silicon in the form of orthosilicic acid, meaning the silicon can be easily absorbed by the plant. It is a product that offers iron, zinc and molybdenum giving the plant two entirely different purposes, nutrient absorption regulation and mechanical protection against external aggressions. By its own nature ECKOSIL has the property to absorb surface moisture from plants, increasing plant resistance to various abiotic stress, such as high and low temperatures, drought, wind and high concentrations of salts. The orthosilicic acid builds up in the epidermis of the plant cell making it more elastic and resistant to external factors.

RECOMMENDED APPLICATION RATES:

CROP	DOSAGE RATE/HA	NUMBER OF APPLICATIONS	METHOD AND STAGE OF APPLICATION	BENEFITS
Potato	300ml	4	First application at 30 days after planting and repeat at 21-day intervals. ECKOSIL can be tank-mixed and applied with all pesticides and foliar fertilizers.	- Strengthens stems and reduces lodging. - Resistance to frost and pests - Strengthens skin of tubers and reduces bruising at harvest
Row Crops (Wheat, Barley, Maize, Soyabeans)	500ml	2	First application at 30-45days after planting and second application 21 days later.	- Increases in leaf area. - Lodging resistance - Increase in yield
Macadamia	300ml	4	First application at flower initiation and repeat at 21-day intervals. ECKOSIL can be tank-mixed and applied with all pesticides and foliar fertilizers.	- Improved flower retention - Improved fruit set - Reduces November fruit drop due to heat stress
Vegetables (Cabbages, Chillies, Peas, Tomatoes)	500ml	2	First application at 20-25 days after planting. Second application at time of flower initiation.	- Prevents flower drop. - Resistance to powdery mildew - Increase in yield

Cucurbits (Cucumbers, Melons, Squash)	500ml	2	First application at 20-25 days after planting. Second application at time of flower initiation.	- Prevents flower drop. - Resistance to powdery mildew - Increase in yield
Tuber Crops (Carrots, Garlic, Onions, Beetroot)	500ml	2	First application at 20-25 days after planting. Second application at time of flower initiation.	- Increases and strengthens the crop. - Reduces dislodging. - Develops resistance to the pests and diseases
Fruit Trees (Apples, Avocado, Citrus, mango, Granadilla, Plums, Peaches)	300ml	4	First application at flower initiation and repeat at 21-day intervals. ECKOSIL can be tank-mixed and applied with all pesticides and foliar fertilizers.	- Improved flower retention - Improved fruit set - Reduces sunburn. - Resistance to Powdery Mildew - Increase in yield and fruit quality
Roses	500ml	2	First application after pruning and repeat 21 days after first application.	- Prevents flower drop. - Resistance to powdery mildew, mites and scales
Tea	300ml	4	Apply as foliar spray at 21-day intervals after plucking, skiffing and pruning	- Breaks bud dormancy. - Increases tea shooting. - Increases leaf density
All other Crops	500ml	2	Apply at 21-day intervals in tank mix with pesticide or foliar fertilizers	- Stronger cell wall structure - Better nutrient and water uptake - Growth and development - Stress tolerance - Reduced pest damage. - Increased yield and quality.

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