

SuperFifty[®] PRIME



PRIMING TECHNOLOGY FOR CROPS

► **IMPROVES FRUIT SET & MARKETABLE YIELD**

► **REDUCES OXIDATIVE STRESS CAUSED
BY ADVERSE WEATHER CONDITIONS**

0-0-7

Net Content: 2.75gal/10.41L

Manufactured by BioAtlantis Ltd.,
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Product of Ireland



Product suitable for use in Organic Agriculture
conforming to Regulations n° 834/2007 and
889/2008 and to NOP Regulation
Inspected by ECOCERT SA F - 32600

SuperFifty® Prime an innovative technology proven to prime and protect crops from oxidative stress damage during reproduction and when exposed to adverse weather conditions.

Critical application timings:

- Apply 2 pints/acre of SuperFifty® Prime, prior to fruit set & at early fruit sizing to improve fruit-set and marketable grade.
- Apply 2 pints/acre of SuperFifty® Prime, 3-5 days in advance of a stress event (e.g., heat, drought, cold and water logging). This will reduce crop losses.

Fruit & Nuts Crops	Dosage / Application Pints/acre	Foliar application stages		
		First	Second	Third
Apple	2	Before first king bloom	At ½" fruit size	2-4 weeks pre-harvest
Almonds	2	Early flowering	Full bloom	At ½" fruit size
Avocados	2	Early bloom	Full bloom	Petal fall
Blueberry, Currant, Gooseberry	2	Pre-bloom	Petal fall	Every 7 days during fruit sizing, most fruits not ripened
Cherries	2	At full bloom	Shuck fall (Jacket fall)	Early fruit sizing (Green ovary)
Citrus (Lemon, Orange etc.)	2	2 weeks after blooming	Petal fall	10 days later
Grape (Wine & Raisin varieties)	2	Single flowers separated	Cluster elongation stage	Post calyptra fall
Kiwi	2	Visible flower buds	Later petal fall	Fruit set
Peaches, Apricots, Plums	2	Pink or white bud	Bloom	Shuck fall (Jacket fall)
Pear	2	Visible flower buds	Early bloom	1 week post petal fall
Pistachios	2	Late bud burst	Fully leafed-out stage	Nut shell hardening (early nut fill)
Strawberries, Raspberries, Blackberries	2	Pre-bloom	Full bloom	At early fruit sizing, most fruits small and white in colour
Table grapes	2	8" shoot growth	Early berry growth	At bunch closure
Walnuts, Hazelnuts, Pecans	2	Beginning of bloom	Beginning of fruit growth	14 days later (fruit filling stage)
Vegetable Crops		First	Second	
Asparagus	2	Spear emergence	Summer vegetative growth before senescence	
Beans, Lentils, Peas, Peanuts	2	First flower bud on stem	Early pod stage	
Cabbage, Broccoli, Cauliflower	2	6-8 true leaf stage	At early head formation	
Carrots, Beets, Radish, Turnip	2	8-10 leaf stage	Root expansion stage	
Cucumber, Pumpkin, Squash	2	First flower bud on stem	Full-bloom stage (determinate variety); every 14 days (continuous flowering variety)	
Lettuce, Celery, Spinach, Parsley	2	4-6 true leaf stage	At early head formation	
Melon, Watermelon, Cantaloupe	2	Pre-bloom	First fruit on main stem	
Onions, Garlic, Shallots, Leeks	2	Start of bulbing	Bulb swelling	
Potatoes, Sweet potatoes	2	Hook stage	Tuber buking stage (-45 days after emergence)	
Tomatoes, Peppers, Eggplant	2	Flower bud emergence	Full-bloom stage (determinate variety); every 14 days (continuous flowering variety)	
Field Crops		First	Second	
Alfalfa, Pasture, Forage	2	2-4" crop height	7 days after first cut	
Cotton	2	At flower initiation	Early boll development stage	
Maize, Sweet corn	2	8 leaf stage	Just prior to tasselling	
Oilseed rape	2	4-5 leaf stage	at the first flower open stage	
Rice	2	Early tillering	Inflorescence emergence	
Soybeans	2	3 rd true leaf stage	First flower open stage	
Wheat, Barley, Sorghum, Oats	2	Early tillering	Flag leaf stage	
Hemp	2	Foliar or fertigation application after planting, every 14 days.		
Greenhouse crops & Ornamentals	2	Every 14 days and after every cut or new bud.		

The above table covers specific applications which can be increased based on the growers knowledge.

Foliar/Broadcast application: Final spray volume can be adjusted based on plant size. Optimal dilution rate is 2 pints in 50 gallons of water per acre. Apply as a fine mist and avoid overdosing. Extra nutrients may be required in the event of enhanced fruit-set. Addition of a sticker will be beneficial.

Small volume spray: Dilute 1.4 fl. oz. in a 2.5 gallons sprayer machine.

Fertigation/soil: Every 14 days, after emergence and until harvest. Apply 2 pints in 500 to 1000 gallons of water per acre. Inject at the last phase of the irrigation cycle to ensure product availability in the root zone. Inject through the irrigation system, drip systems, micro-sprinklers, pivots, etc.

Recommendations & compatibility: Shake the product well before opening. Avoid extreme temperatures, including strong sunshine or potential rainfall during the application. Compatible with most insecticides, fungicides and fertilisers. Determine the compatibility by utilising a small volume test (e.g. bucket test). While tank mixing with other chemicals, dilute the chemicals first thoroughly in water and subsequently add the product.

Storage: Store above 41°F and away from direct sunlight.

Caution: Keep out of reach of children. Avoid breathing dust/fumes/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection. If skin irritation occurs, get medical attention.

Seller's guarantee: shall be limited to the terms set out on the label and subject thereto. Results may vary. The buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on those conditions.

Guaranteed analysis:
Soluble Potash (K₂O): 7%
Derived from: Seaweed *Ascophyllum nodosum* and potassium hydroxide.
(4.17lbs minimum dry matter content per gallon)

Net Content: 2.75gal/10.41L
Net Weight: 28.0lbs/12.7kg
Density: 10.2lbs per gal
at 68 degrees Fahrenheit