

Surety® MA: Your Assurance for Thriving Crops with Microalgae Technology Leadership!



Compatible:

- Compatible with all other agricultural products.
- With existing or new application plan
- Seamlessly integrates into your routine

Flexible:

- Add Surety® MA to your application plan at your convenience
- Flexibility to optimize your crop management strategy according to your needs and timeline.

Consistent:

- Backed by a production process that prioritizes quality and consistency
- Every application delivers reliable results
- Consistent performance for sustained crop excellence.



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Composition

Pure microalgae-extract, rich in peptides, organic matter, and natural plant-based bioactive compounds.



Liquid



Foliar / Soil



Microalgae

Activates plant's genes that are critical to assimilate and uptake nutrients

Enhances NUE and optimizes plant nutrition balance

Stimulates root development and vegetative plant growth

Certified



Corporation

This company meets high standards of social and environmental impact.



Shake well before use

Vegetable Crops			Rate			
			L/ha low	L/ha high	recommended timing	reapplication interval
Root and tuber vegetables	examples: carrot, sweet potato, radish (except potato)	soil	2,3	4,7	at planting or transplanting	
		foliar	1,2	3,5	7 - 14 days after crop emergence	14 - 28
Potatoes	russet, red, yellow, white	soil	2,3	4,7	at planting or transplanting	
		foliar	1,2	3,5	7 - 14 days after crop emergence	28
** For small-tuber potatoes (fingerling, petite, etc.) avoid applications during tuber initiation (BBCH 39-41) as this may result in larger sized tubers**						
Bulb vegetables	examples: onions, garlic, green onions	soil	2,3	4,7	at planting or transplanting	
		foliar	1,2	3,5	7 - 14 days after crop emergence	28
Leafy vegetables	examples: head lettuce, leaf lettuce, cabbage, mustard greens, spinach	soil	2,3	4,7	2-5th true leaf stage (BBCH 12-15)	14 - 28
		foliar	1,2	4,7	7 - 14 days after crop emergence	14 - 28
Brassicas	examples: broccoli, cauliflower, cabbage	soil	2,3	3,5	at planting or transplanting	
		foliar	1,2	4,7	7 - 14 days after crop emergence	14 - 28
Vegetable legumes	examples: beans like Phaseolus & Vigna, pea; edible podded, succulent shelled, and dried	soil	2,3	4,7	at planting or with first fertilizer application	
		foliar	1,2	4,7	2-5th true leaf stage (BBCH 12-15)	
Fruiting vegetables	examples: tomato, pepper, eggplant	soil	2,3	4,7	at planting or transplanting	
		foliar	1,2	4,7	14 days after planting; late budding to early flowering (BBCH 59-63); fruit sizing (BBCH 70)	
Cucurbit vegetables	examples: cucumber, squash, canteloupe, melon, zucchini	soil	2,3	4,7	at planting or transplanting	
		foliar	1,2	4,7	2-10th true leaf (BBCH 2-10); first flower (BBCH 50); fruit sizing (BBCH 70)	
Tree, Nut, Fruit & Berry Crops						
Citrus	examples: orange, tangerine, mandarin, lemon, lime, grapefruit	soil	2,3	4,7	At orchard planting or with first fertilizer application	
		foliar	1,2	4,7	shoot development (BBCH 30-35); full budding (BBCH 55); fruit set (BBCH 70)	
Pome fruit	examples: apple, pear	soil	2,3	4,7	At orchard planting or with first fertilizer application	
		foliar	1,2	4,7	shoot development (BBCH 30-35); full budding (BBCH 55); fruit set (BBCH 70)	
Stone fruit and almonds	examples: cherry, peach, plum, prune, nectarine, almond	soil	2,3	4,7	At orchard planting or with first fertilizer application	
		foliar	1,2	4,7	shoot development (BBCH 30-35); full budding (BBCH 55); fruit set (BBCH 70)	
Tree nuts	examples: pecan, walnut	soil	2,3	4,7	At orchard planting or with first fertilizer application	
		foliar	2,3	9,4	fruit set (BBCH 70)	
Strawberry		soil	2,3	4,7	At planting or with first fertilizer application	14 - 28
		foliar	1,2	4,7	5-10th leaves (BBCH 15-20); bud formation (BBCH 50-55); fruit sizing (BBCH 70)	OR 14 - 28
Berry & small fruit	examples: blackberry, raspberry, blueberry, grape, kiwifruit	soil	2,3	4,7	At planting or with first fertilizer application	
		foliar	1,2	4,7	shoot development (BBCH 30-35); full budding (BBCH 55); fruit set (BBCH 70)	14 - 28
Row Crops						
Cotton		soil in-furrow	0,6	1,2	in-furrow or over seed drill at planting	
		foliar	1,2	2,3	with a pre-flower pesticide application	
Rice		foliar	1,2	2,3	with application before pannicle formation (BBCH 30); with application between pannicle emergence to grain sizing (BBCH 50-70)	
Corn		soil in-furrow	0,6	1,2	in-furrow or over seed drill at planting	
		soil	1,2	2,3	at side-dressing or layby application	
		foliar	1,2	2,3	with a pre-flower pesticide application	
Soybean		soil in-furrow	0,6	1,2	in-furrow or over seed drill at planting	
		foliar	1,2	2,3	with a pre-flower pesticide application	
Oil crops	examples: canola, sunflower	soil	0,6	1,2	in-furrow or over seed drill at planting	
		foliar	1,2	2,3	preflowering to flower formation (BBCH 30-50)	
Cereal grains	examples: wheat, oats, barley	soil	0,6	1,2	in-furrow or over seed drill at planting	
		foliar	1,2	2,3	preflowering to flower formation (BBCH 30-50)	
		foliar	1,2	4,7	BBCH 2-10, 2-10th true leaf; BBCH 50, first flower; BBCH 70, fruit sizing	
Other Crops						
Herbs & spices	examples: basil, chives, oregano, mint, lavender	soil	2,3	4,7	at planting or transplanting	
		foliar	2,3	4,7	14 days after establishment	14 - 28
Hydroponic crops			2,3	4,7	(example: 1 - 2 qt/100 gal water)	
			2,3	4,7	(example: 1 - 2 qt/100 gal water)	14 - 28
Turfgrass	examples: sod, lawns, greens, fairways, tee boxes	1000ft2	3,1	6,4		14 - 28
			2,3	4,7	ideal timing is during active turf growth or prior to stress events or dormancy	14 - 28
Plant Stress Mitigation						
Plant stressors	examples: drought, heat, transplanting, deleterious environmental conditions	soil	2,3	4,7	2 - 5 days prior to anticipated stress event	
		foliar	2,3	4,7	2 - 5 days prior to anticipated stress event	

Surety® MA applied with standard fertilizer programs are ideal timings.

Surety® MA is highly compatible with other agricultural products (pesticides, fertilizers, etc.) and Surety® MA applications can be timed with with other planned product applications. Multiple applications at the lower recommended rates may provide the greatest crop benefit over single applications at the higher recommended rates.