LIFEGARD®

BIOLOGICAL PLANT ACTIVATOR



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Lifegard® is a biological fungicide and plant activator based on a naturally occurring soil bacterium. Unlike traditional fungicides that directly attack pathogens, BmJ works primarily by stimulating the plant's own immune system, triggering induced resistance responses that help the crop defend itself against fungal and bacterial diseases before infections become established. It has been used in crops such as potatoes, grapes, apples, tomatoes, blueberries, and sugar beets to help manage diseases including Cercospora leaf spot, downy mildew, powdery mildew, late blight, early blight, and fire blight. BmJ is classified in FRAC Group P06, reflecting its role as a plant defense inducer rather than a direct-contact fungicide.

Key features and benefits of Lifegard include its unique mode of action, low resistance risk, and compatibility with integrated pest management (IPM) and sustainable production programs. By activating the plant's natural defense mechanisms, it helps reduce disease severity and can complement conventional fungicides in resistance-management strategies. BmJ is most effective when applied preventatively, allowing plants to build defenses before disease pressure develops. It is also valued for its favorable environmental profile, safety to beneficial organisms, and suitability for organic production systems, making it an effective tool for growers looking to enhance disease protection while reducing reliance on conventional chemistry.

Active Ingredient:

Bacillus mycoides isolate J 40%

Key Crops:

Potatoes, grapes, apples, blueberries, tomatoes, peppers, strawberries, caneberries, cannabis, greenhouse veg.

Key Targets:

Cercospora leaf spot, downy mildew, powdery mildew, late blight, early blight, fire blight

FRAC Group:

P 06

Packaging Size:

20 x 454g

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RATES TABLE

Volume of water:	L/Ha G/Ac	≤210 ≤22	250 27	300 32	350 37	400 43	500 53	750 80	1000 107
LifeGard® rate:	g/Ha g/Ac	70 28.3	83 33.6	100 40.5	117 47.3	133 53.8	167 67.6	250 101.2	333 134.8
Ha / Pouch (454g):	Ha/Pouch Ac/Pouch	6.49 16.03	5.47 13.52	4.54 11.22	3.88 9.59	3.41 8.44	2.72 6.72	1.82 4.49	1.36 3.37

CROP	DISEASE	PHI	REI	ADDITIONAL INFORMATION
Grapes	Downy mildew	0 days	4 hours	Make first applications 2-3 weeks before bloom and prior to infection. Repeat applications at 7–21-day intervals as part of a rotational program with fungicides labelled for this use. Continue applications every 2 to 4 weeks after fruit set.
	Powdery mildew			
	Black rot			Begin as a preventative spray. Repeat every 7-14 days as part of a rotational program with fungicides labeled for this use.
	Phomopsis fruit rot			
Apples	Fire blight	0 days	4 hours	Begin applications when green tissue is present, prior to infection period. For suppression of shoot blight, start applications after petal fall and reapply 7-14 days during stem elongation. Do not apply during bloom period (pink stage to petal fall).
	Apple scab			Apply starting at petal fall through cover sprays on a 7- to 14-day schedule. Apply in an alternating or tank-mix program with labeled fungicides as part of a disease management.
	Powdery mildew			
	Sooty blotch			For summer disease control: Apply starting at petal fall through the cover sprays on a 10- to 14-day schedule Apply in an alternating or tankmix program with labeled fungicides as part of a disease management program.
	Flyspeck			
Peppers & Tomatoes	Bacterial leaf spot	0 days	4 hours	For direct seeded crops: Apply any time following emergence of first true leaf. For transplants: Begin applications immediately before or after transplanting. Transplants may be treated in the greenhouse or nursery prior to transplanting in the field. For bacterial leaf spot, early blight, and late blight repeat application at 7-day intervals.
	Early blight			
	Late blight			
	Bacterial speck (tomato)			
Blueberries	Mummy berry	0 days	4 hours	Begin as a preventative spray. Repeat every 7-14 days as part of a rotational program with fungicides labeled for this use.
	Botrytis			
	Anthracnose			
Raspberries & Blackberries	Anthracnose	0 days	4 hours	
	Botrytis			
Strawberries	Botrytis	0 days	4 hours	
	Anthracnose			
	Powdery mildew			
	Common leaf spot			
Potatoes	Early blight	0 days	4 hours	For early blight and late blight, repeat applications at 7-day intervals. For white mold apply at 7–14-day intervals. Use the shorter interval when high disease pressure is anticipated.
	Late blight			
	White mould			
Cannabis & Hemp	Sclerotinia white mould	N/A	4 hours	Begin as a preventative spray. Apply 7-to-14-day intervals when only LifeGard®WG will be applied. Use shorter interval when high disease pressure is anticipated. When used in biorational program with fungicides labeled for this use repeat 7-21 days.
	Botrytis			

Always read and follow the label.

LifeGard® is a registered trademark of Certis Biologicals™

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