

Table 7. Fungicides registered for use for use in hazelnuts.

Chemical name	Commercial Name (PCPA)	Chemical group	Rate of Application	Pre-Harvest Interval	Minimum Re-entry	Target Disease	Application guidelines
Fungicides							
chlorothalonil	Bravo ZN (28900) Bravo 500 (15723)	M	6.72L/ha	120 days	48 hours ¹ / 20 days ² / 3 days ³ / 11 days ⁴	Eastern filbert blight (EFB)	Apply preventatively from bud break to shoot elongation at 20 day interval. Do not exceed 3 applications per season
copper oxychloride ⁵	Guardman Copper Oxychloride 50 (13245) Copper Spray (19146)	M	3-9kg/ha in 1000L of water	2 days	48 hours	EFB, Bacterial blight*	<u>Apply preventatively at 10 to 14 day interval</u> Do not exceed 3 applications per season
copper octanoate ⁵	Cueva (31825)	M	470-940L/ha (0.5-2% solution)	1 day	4 hours	EFB, Bacterial blight*	<u>Apply preventatively at 5 to 10 day interval.</u> Do not exceed 3 applications per season
trifloxystrobin	Flint (30619)	11	140-280g/ha	60 days	12 hours	EFB	Apply preventatively from bud break, at 14 day interval. Do not exceed 4 applications per season
penthiopyrad	Fontelis (30331)	7	1-1.5L/ha	14 days	12 hours	Botrytis grey mould	Begin applications prior to disease development and continue on a 7 to 14-day interval. Max. 4.5L/ha per season
Metalaxyl-M	Ridomil Gold 480SL* (28474) <u>Emergency registration from July 19th, 2019 until July 18th, 2020</u>	4	1ml in 5L water per tree	30 days		Phytophthora root, crown and collar rot	Apply to the soil at the base of the tree to cover the root system. Apply preventatively or at the sign of first symptoms. 3 applications per year
metconazole	Quash (30402)	3	245 g/ha	25	12 hours	EFB	Apply preventatively from bud swell to bud break, at 14 day interval. Do not exceed 4 applications per season
metconazole	Quash SC (33081)	3	255 mL/ha	25	12 hours	EFB	
azoxystrobin	Quadris Flowable (26153)	11	900ml/ha in 1000L water	45 days	12 hours	EFB	Apply preventatively from bud break, at 7 to 10 day interval. Do not exceed 3 applications per season

M: Multi site fungicide

PCPA: Under the Pest Control Products Act (PCPA), pesticides imported into, sold or used in Canada are required to have a PCPA Registration Number. This number is listed on the product label.

¹ General re-entry ² Scouting activities

³ Orchard maintenance ⁴ Transplanting

⁵Note that Copper is generally accepted for organic production. Check with the certifying agency.

*Bacterial blight- **All copper products should be applied as follow:**

Make the first application in August/September before fall rains, the second application when 3/4 of leaves have fallen, and the third in early spring before bud set. Use the low rate on small trees and the high rate on large trees. Apply in 1000 L water/ha by ground spray only.

NC Group not indicated on product label — Information not specified on product label

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