

TABLE 1
First Application 2024-25 Season
Zinc-Copper-Lime Applications

Fixed coppers (e.g., copper hydroxide and copper oxide)

Application Volume	Rate	Metallic Zinc/100 gal	Metallic Copper/100 gal	Hydrated Lime/100 gal
400	gal/A	0.63-1 lb	0.41-0.75 lb	0.5-1.0 lb
600	gal/A	0.42-0.67 lb	0.28-0.5 lb	0.33-0.67 lb
800	gal/A	0.31-0.5 lb	0.21-0.38 lb	0.25-0.5 lb
Total*	lb/A	2.5-4	1.65-3	2-4 lbs

* - If the disease was observed or a positive NAVEK report was issued for Septoria spot in a grower lot last season, use a higher rate of each component within the range provided.

** - Lime can be substituted with a sticker adjuvant (e.g., NuFilm-17, Cohere, etc.) when using fixed coppers. Note that zinc sulfate is acidic and may need to be buffered in the spray tank to prevent phytotoxicity. Consult a PCA if lime is not applied.

TABLE 2
First Application 2024-25 Season
Zinc-Copper Bordeaux Applications
(Zinc monohydrate + Copper pentasulfate)

Application Volume	Rate	Metallic Zinc/100 gal	Metallic Copper/100 gal	Hydrated Lime/100 gal
400	gal/A	0.83 lb	0.41-0.62 lb	5-17 lb
600	gal/A	0.55 lb	0.28-0.41 lb	3.3-11 lb
800	gal/A	0.41 lb	0.21-0.31 lb	2.5-8.4 lb
Total*	lb/A	3.3	1.65-2.45	20-67

* - If the disease was observed or a positive NAVEK report was issued for Septoria spot in a grower lot last season, use a higher rate of each component within the range provided.

TABLE 3
First or Second Application 2024-25 Season
Fungicides other than Cu-Zn-Lime Treatments

Product	Amount (fl oz or oz/A)	Application volume (gal/A)*	Ground or Air application	PHI (days)
Abound	12-15.5	200-800	Ground or Air	0
QuadrisTop	10-15.4	200-800	Ground or Air	0
Oso	3.75-13.0	200-800	Ground	0
Ph-D	6.2	200-800	Ground	0
Priaxor	5-11	200-800	Ground	0
Cevya	4-5	200-800	Ground or Air	0
Luna Sensation**	5-6	200-800	Ground or Air	7

*- Applications volumes are suggested to provide sufficient coverage and may vary for citrus crop (tree size and canopy density).

** - Luna Sensation and Cevya are not labeled for Septoria but for other diseases of citrus in CA and FL.

Restrictions:

Crop	Preharvest fungicide	Preharvest Interval (days)	Max. Product Rate (fl oz or oz/A)	Max. No. of Applications	Max. No. of Sequential Apps.	Max. Product/Year (fl oz or oz/A)
Citrus fruit	Abound	0	15.5	4	2	92.3
	Luna Sensation	7	7.6	4	2	27.3
	Oso	0	13.5	6	2	81.0
	Ph-D	0	6.2	6	2	37.2
	Priaxor	0	11	4	2	44.0
	QuadrisTop	0	15.4	4	2	61.5
	Cevya	0	5	3	2	15.0

Note:

- MRLs have been established in many countries including Korea, but some countries may not have MRLs established for these fungicides. Check with the export country before making pre-harvest fungicide treatment/application decisions (MRLs are listed for several export markets in the GAPS).
- Additional materials may be needed for managing brown rot. A fixed copper may also be used with other