

Fungicide Management of Alternaria Rot of Citrus in California, 2018

Mandarin (*Citrus reticulata* 'Sumo')

P.S.F. Lichtemberg, Ryan Puckett, John Lake, T.J. Michailides

Alternaria Rot (AR); *Alternaria alternata*

University of California – Davis, Parlier, CA 93648

Treatment (amount/A) ^a	Days after 1 st spray	n ^b	Latent Infection (%) (std) ^c	n ^d	Fruit Drop (mean) (std) ^c
K-PHITE 7LP (2 quarts)	0, 29	90	63.2 (0.11)	9	12.4 (8.92)
Quadris Top (15.4 fl oz)	0, 29	90	69.6 (0.24)	9	4.8 (5.59)
Vapor Gard (1 gallon)	0, 29	90	82.0 (0.10)	9	25.3 (11.77)
Luna Experience (7.6 fl oz)	0, 29	90	83.9 (0.20)	9	10 (3.87)
Pristine (18.5 fl oz)	0, 29	90	86.7 (0.09)	9	7.6 (4.42)
Ph-D (6.2 oz)	0, 29	90	90.0 (0.07)	9	16.3 (10.26)
Control		90	91.4 (0.10)	9	21.8 (12.15)
Actinovate AG (12 oz)	0, 29	90	92.2 (0.05)	9	27.2 (11.52)
Parka (1 gallon)	0, 29	90	93.8 (0.11)	9	16.3 (7.37)

^aSpreader 90 at 16 fl oz /A (100 gallon) was added.

^bNumber of fruits examined for latent infection of *A. alternata* at the stem-end (10 fruits per replicate tree).

^cStandard deviation of the mean.

^dNumber of trees inspected for fruit drop due to *A. alternata* at commercial harvest date.



K-PHITE[®] 7LP, manufactured by Plant Food Systems, Inc., is the only patented linear polymer phosphite in the industry which results in efficacies both fungicidal and bactericide for prevention and control in addition to greater overall plant health and yield.