

Evaluation of Quintec for the management of bacterial spot of tomato, fall 2011.

Treatment, rate/A (application) ^z	Bacterial spot severity (%) ^y	Diseased fruit (% of total)	Marketable fruit (lbs/plot)	
	4 Nov		Total	Extra large
Quintec, 6 fl oz (1-9)	23.3	0.77	59.3	33.4
Quintec, 6 fl oz (1,3,5,7,9); Kocide 3000, 1.75 lb (2,4,6,8); Penncozeb 75DF, 2 lb (2,4,6,8)	11.4	0.42	67.3	37.7
Quintec, 6 fl oz (1-9); Kocide 3000, 1.75 lb (1-9)	7.88	0.72	64.3	34.1
Quintec, 6 fl oz (1-9); Penncozeb 75DF, 2 lb (1-9)	16.1	0	71.8	40.3
Quintec, 3 fl oz (1-9)	18.5	0.53	64.8	34.4
Quintec, 3 fl oz (1,3,5,7,9); Kocide 3000, 1.75 lb (2,4,6,8); Penncozeb 75DF, 2 lb (2,4,6,8)	13.4	0.46	76.8	42.5
Quintec, 3 fl oz (1-9); Kocide 3000, 1.75 lb (1-9)	13.8	0.56	62.0	32.8
Quintec, 3 fl oz (1-9); Penncozeb 75DF, 2 lb (1-9)	13.8	0.30	72.3	36.6
Quintec, 6 fl oz (1-9); Kocide 3000, 0.88 lb (1-9)	12.6	0	69.6	39.1
Quintec, 6 fl oz (1,3,5,7,9); Kocide 3000, 0.88 lb (2,4,6,8)	25.6	0.27	69.8	36.0
Kocide 3000, 1.75 lb (1-9); Penncozeb 75DF, 2 lb (1-9)	11.4	0.61	67.6	32.3
Non-treated Control	23.2	0.22	74.2	39.6
<i>P > F</i>	0.0749	0.8351	0.2689	0.4155

^z Listed treatments were applied weekly at a per acre rate basis unless noted otherwise.

^y The severity of bacterial spot was assessed as the percentage of canopy affected. The Horsfall-Barratt scale was used for all ratings, but values were converted to mid-percentages prior to statistical analyses.

^x Area under the disease progress curve (AUDPC) values were calculated using the formula: $\Sigma[(x_i+x_{i-1})/2](t_i-t_{i-1})$ where x_i is the rating at each evaluation time and (t_i-t_{i-1}) is the time between evaluations.