

Block Key Diseases with Confidence

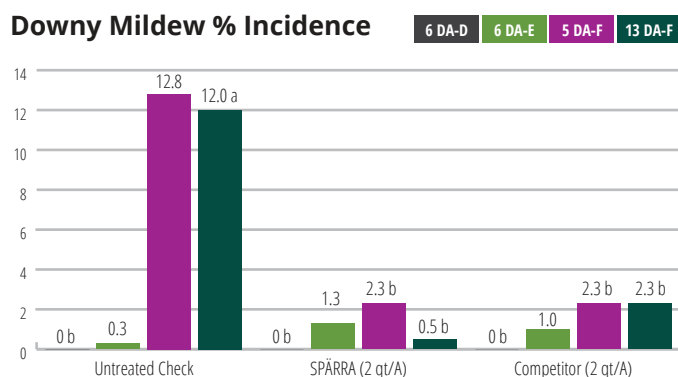


SPARRA™ contains the highest active ingredient of any EPA-registered phosphite on the market. This FRAC P07 broad-spectrum systemic fungicide-bactericide controls downy mildew, powdery mildew, *Pythium*, *Phytophthora*, and other key diseases in specialty and row crops. Applications may be made up to the day of harvest (0-day PHI) on agricultural crops, greenhouse crops, turf, and ornamentals.

SPARRA Controls Downy Mildew in Romaine

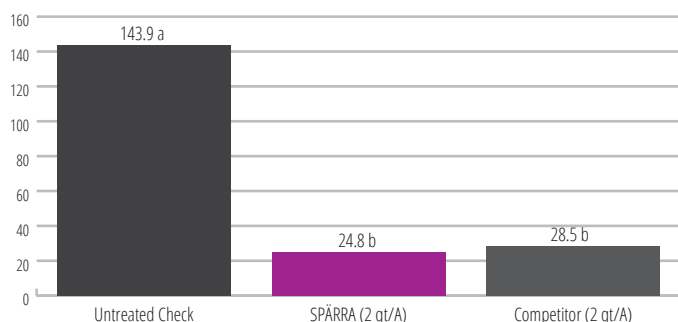
Trial #: PDF203005CA01

Reduced Downy Mildew Incidence



All treatments were statistically equal to each other and better than the UTC for reduction of Downy Mildew symptoms. No phytotoxicity was observed at any time during the trial.

Downy Mildew % Incidence



SPARRA Benefits



100% active ingredient derived from potassium phosphite



Controls key diseases, including downy mildew, powdery mildew, *Pythium*, and *Phytophthora*



Unique formulation improved upon a well-established and efficacious active ingredient



Exceptional efficacy with lower use rate/acre vs. competitive products (see pg 2 for comparisons)



Long term shelf-life stability for maximum performance

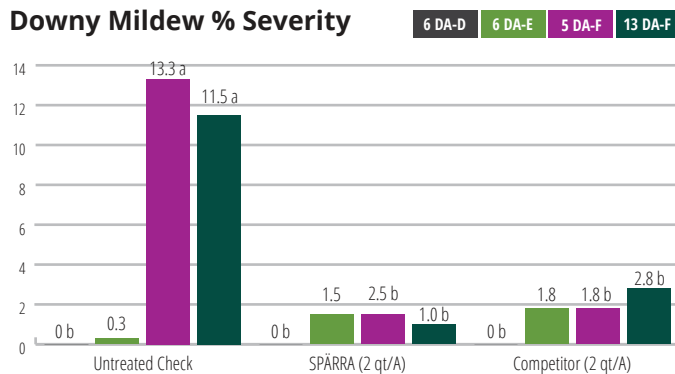
SPARRA Controls Downy Mildew >>

SPARRA Controls Downy Mildew in Romaine

Reduced Downy Mildew Severity

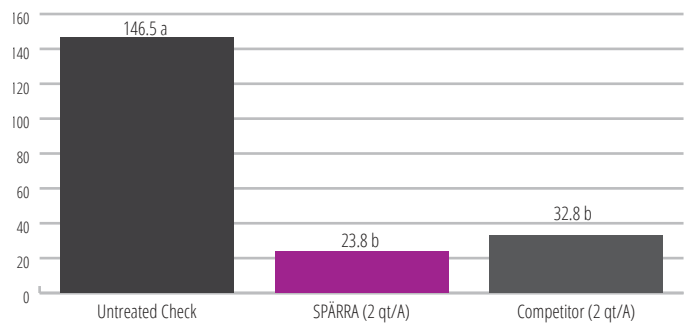
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Downy Mildew % Severity



All treatments were statistically equal to each other and better than the UTC for reduction of Downy Mildew symptoms. No phytotoxicity was observed at any time during the trial.

Downy Mildew % Severity



SPARRA Product Rate Comparisons

SPARRA provides exceptional efficacy with lower use rates, reducing environmental load vs. competitive products.

Competitor 1		VS	SPARRA	
Density	11.60		Density	12.80
% a.i.	45.50%		% a.i.	59.24%
lb/gal a.i	5.28		lb/gal a.i	7.58
Rate (qt/A)	% a.i./A		Rate (qt/A)	fl oz
1.00	1.32		0.70	22.27
1.50	1.98		1.04	33.41
2.00	2.64		1.39	44.55

Use **35.8% less SPARRA** to reach the same efficacy

Competitor 2		VS	SPARRA	
Density	12.51		Density	12.80
% a.i.	56.00%		% a.i.	59.24%
lb/gal a.i	7.01		lb/gal a.i	7.58
Rate (qt/A)	% a.i./A		Rate (qt/A)	fl oz
1.00	1.75		0.92	29.56
1.50	2.63		1.39	44.35
2.00	3.50		1.85	59.13

Use **7.9% less SPARRA** to reach the same efficacy

Control Downy Mildew With SPARRA



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