

Table 3. Root yield and sugar content of sugarbeets treated with fungicides for powdery mildew control at the University of Idaho Parma Research and Extension Center, Parma, Idaho, 2004.

Treatment	Root ¹ Yield (T/A)	Sugar Content (%)	Gross Sugar (lbs/A)	Conduc- tivity (mmhos)	Extra- ction (%)	Estimated		Increased GR. Ret. ² (\$/A)
						Recoverable Sugar (lbs/T)	(lbs/A)	
1. Untreated Check	38.15	16.62	12686	0.594	86.94	289.0	11029	0.00
2. A. Sulfur 10lb/A B. Sulfur 10lb/A	38.25	17.05	13044	0.548	87.60	298.6	11421	47.05
3. A. Gem 7oz/A+Sulfur 5lb/A B. Sulfur 10lb/A	43.95	16.93	14877	0.529	87.82	297.2	13061	239.10
4. A. Headline 9oz/A+Sulfur 5lb/A B. Topsin .05 lb/A+Sulfur 5lb/A	42.57	17.31	14743	0.590	87.13	301.7	12846	232.49
5. A. Topsin .05 lb/A+Sulfur 5lb/A B. Laredo 8.0 fl oz/A	40.69	17.21	14009	0.571	87.36	300.7	12238	152.47
6. A. Enable 2F 8oz/A B. Sulfur 10lb/A	41.15	17.16	14122	0.596	87.03	298.7	12288	163.85
7. A. Eminent 13 fl oz/ A B. Sulfur 10lb/A	41.05	17.32	14213	0.584	87.21	302.0	12395	177.60
8. A. Gem 7oz/A B. Eminent 13 fl oz/ A	43.34	17.91	15510	0.587	87.28	312.6	13536	329.70
9. A. Rubigan 6.0 oz/A B. Rubigan 6.0 oz/A	40.03	16.87	13500	0.602	86.89	293.2	11731	92.31
10. A. Rubigan 8.5 oz/A B. Rubigan 8.5 oz/A	39.83	16.97	13516	0.581	87.18	295.9	11782	95.72
11. A. Rubigan 6.0 oz/A + Sulfur 5 lb/A B. Sulfur 10lb/A	41.00	17.14	14047	0.579	87.24	299.1	12254	156.21
LSD (0.05)	2.91	0.46	1001	NS	NS	8.5	857	
LSD (0.10)	2.42	0.38	834	NS	NS	7.0	714	
CV (%)	5.56	2.10	5.58	10.600	0.88	2.21	5.48	
Pr>F	0.0030	0.0005	<.0001	0.7747	0.7661	0.0007	<.0001	

A. First Application: July 14, 2004

B. Second Application: August 2, 2004

¹ Root yields have been tared 5%

² The increase in gross return due to treatment, compared with the untreated check. Cost of chemicals and application was not deducted. Price per ton was determined using the sugar content of each treatment at \$20 net per 100 lb sugar according to the contract of the Amalgamated Sugar Co.

When comparing yields or sugars of two treatments, the values may differ by a value equal to or greater than the LSD (0.05) given at the bottom of each column to be considered statistically different in this test.

Sulfur=Microthiol Disperss 80% Wettable Sulfur