Evaluation of conventional, biological, and natural products for control of powdery mildew, 2026

M. J. Gutierrez, K. A. Blauer, and G. J. Holmes

Location	Cal Poly Greenhouse
Greenhouse temperature max/min	75° & 55°F
Cultivar	Monterey
Trial design	Randomized complete block; replicated 4 times; 4 plants/plot
Backpack sprayer specs	Single flat fan nozzle calibrated to deliver 100 gal/A at 25 psi
Planting date	4 May 2026
Inoculation date	22 May 2026
Application dates; (spray interval days)	5 weekly sprays (26 May, 2, 9, 16, 23 June)
First sign of disease	1 June 2026
Evaluation	1 day prior to each fungicide application



Figure 1. Visual comparison of disease severity. From left to right: 15% severity, 65% severity, 100% severity.

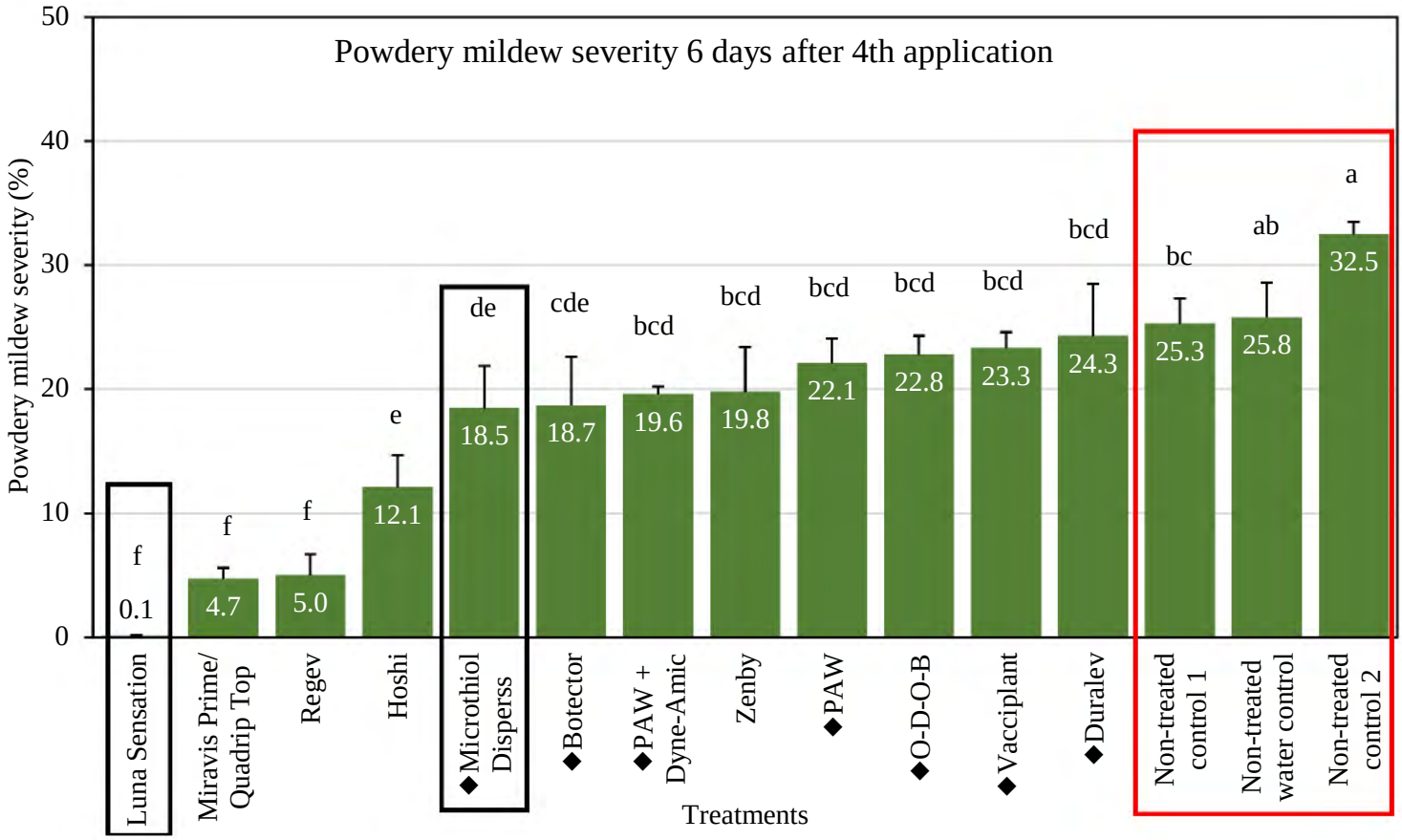


Figure 2. ☐ = Non-treated control; ☐ = Strawberry Center standards; / =Weekly rotation; + =Tank mix; O=Oso; D=Duralev; B=Botector; ◆= biological or natural product. Data was subject to ANOVA and Fishers LSD mean separation. Error bars represent standard error of the mean. Means that do not share the same letter are significantly different (α=0.05).