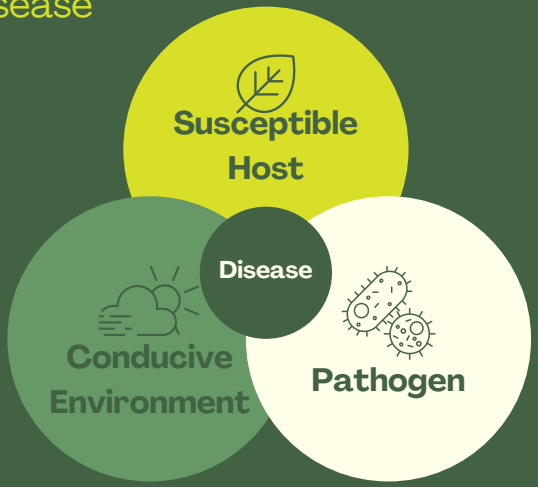
Root's PCS calculates pathogen risk twice per week and alerts you when there's a threat of disease



At Ridge Monte Bello, spores were detected 4 weeks before early signs of powdery mildew were visible on the vine, giving them ample time to respond

"I recommend other farmers utilize Root's Pathogen Control System to reduce applications and save money."
David Gates, Senior VP Vineyard Operations, Ridge Vineyards, Inc.

In Carneros, Gloria Ferrer'svineyard adjusted sulfur sprays from every 8 days to every 14 days. Integrating Root's PCS saved them $34,000 in the month of May alone.

"The data provided by Root gives you peace of mind and allows you to trust elongating your application intervals."
Brad Kurtz, Gloria Ferrer Vineyard Director

Sign up now for the 2023 growing season

Contact Root to learn more about our innovative and cost-effective approach to abate powdery mildew

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Contact

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Confidence to Spray Only When Necessary

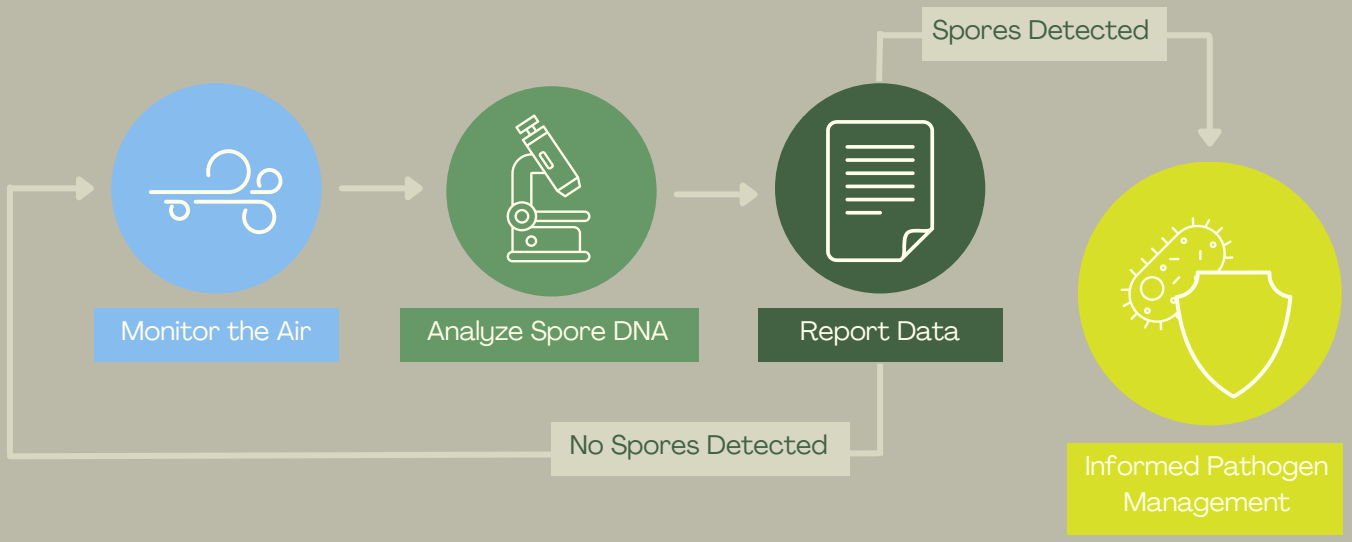
Prophylactic Fungicide Applications

Current spray routines (e.g., calendar-based + PMI) lead to over-spraying because fungicide is often applied when there is little to no risk of powdery mildew infection. In addition to the unnecessary expense, overspraying can lead to fungicide resistance and crop loss, it's time-consuming, unhealthy, and bad for the environment.

Data-driven Pathogen Control

Root Applied Sciences (Root) developed a patent- pending, hassle-free Pathogen Control SystemTM (PCS) that detects spores while still airborne before they are visible on the plants. These timely and accurate alerts eliminate the need for over spraying. Growers can now take action only when there is a real threat of disease, giving them confidence to spray only when necessary.

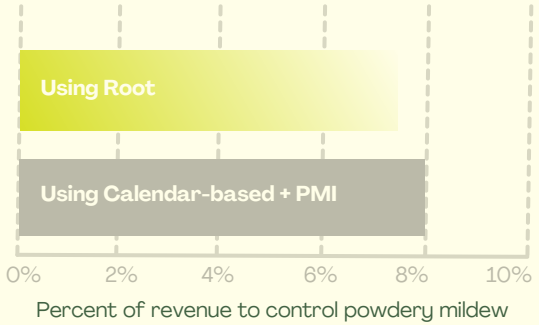
How Root's Pathogen Control System (PCS) works



Root's PCS is DNA-based

Many plant pathogens look the same under a microscope but can only infect specific plant hosts. Root's DNA-based service provides data on the specific spores that cause disease and crop loss.

Root's PCS Reduces Applications and Costs



Percent of revenue to control powdery mildew

Additional Benefits

- Reduce crop loss
- Delay the development of fungicide resistance
- Maximize fungicide performance
- Increase health and sustainability