



PATHO SOLUTIONS

Plant Pathology Practice and Research Station

Patho Solutions: Field Services & Pricing 2026

Since our inception in 2016, Patho Solutions has conducted Grapevine Leafroll surveys for numerous wine and table grape producers. Our experience and capacity have grown substantially over the years. We are committed to enhancing the efficiency of our Leafroll and disease control services to deliver reliable, high-value solutions to our clients.

All prices include VAT.

Reporting

Reports on each of the services below providing insights and recommendations for disease management and must be added to the service.

- Small (up to 5 hectares): R1,598.50
- Medium (up to 10 hectares): R3,197.00
- Large (up to 25 hectares and larger): R4,508.00

Mapping

Our spatial positioning system organizes a block into rows, bays, and vines, enabling precise tracking of each vine's status over time. This is a one-time cost per block and must precede scouting or sampling.

- New Block per hectare: R822.25

Scouting

Our field scouts specialize in identifying Leafroll disease symptoms in red cultivars. Scouting time varies based on infection levels, terrain, and block conditions. It identifies and lists individual infected vines.

- Low Incidence (up to 5 infections per hectare): R396.75
- Medium Incidence (5–50 infections per hectare): R529.00
- High Incidence (50–500 infections per hectare): R925.75



Sampling

We offer sample collection for pathogen (grapevine leafroll associated virus 3 or GLRaV-3) testing using ELISA. Pricing depends on the sampling strategy.

- Systematic Spot Testing (per hectare). Gives an indication of virus incidence.
 - Light: R396.75 (four individual vines)
 - Medium: R730.25 (eight pooled bays)
 - Deep: R1144.25 (eight bays individual vines)
- Grid Testing. Identifies individual infected vines in vineyard for roguing.
 - Per half hectare or portion thereof: R3,306.25
 - Per full hectare: R6,083.50

ELISA test

- Per pool of all vines from 2 bays (i.e. 8 to 14 individuals) (4 petioles per vine). Identifies double bays with one or more leafroll infected vine(s) within it.
 - Per pooled sample: R92
- Per individual vine from infected pooled bays. Identifies the individual vines within infected double bay pools
 - Per individual vine: R92

Equipment Cost (to conduct, mapping, sampling, or scouting)

- ATV Use
 - Light per day: R1012.00
 - Medium per day: R1,265.00
 - Heavy per day: R1,897.50
- Chainsaw Use (fuel and chain oil per day): R474.37

Travel (to conduct, mapping, sampling, or scouting)

Costs for site visits and staff transport. For unlisted regions, costs are based on distance from Wellington.

- Site Visit to Stellenbosch/Franschhoek: R701.50
- Site Visit to Helderberg/Tulbagh: R828.00
- Site Visit to Somerset West: R891.25



- Site Visit to Worcester: R891.25
- Site Visit to De Doorns/Overberg: R1,173.00
- Site Visit to Robertson: R1,385.75
- Site Visit to Wellington/Paarl: R483.00
- Transport for crew and ATV: R5.75 per km

Other Fees

Additional fees for various services.

- Collection Fee: R293.25 per sample collection at client
- Labour: R733.70 per hour
- Chemical Application: R6.90 per vine

Discounts

Discounts of up to 30% may be applied based on project size, test volume, terrain, and distance from Wellington.

Disclaimer

1. Surface area and cultivar references are based on provided farm maps.
2. Disease incidence assumes 3,000 vines per hectare unless specified.
3. Survey data is confidential and used for R&D with client privacy maintained.
4. Visual inspections do not guarantee individual vine status; ELISA testing is available.
5. Diagnostic assays have detection limits; negative results do not ensure pathogen absence.
6. Results apply only to listed samples at testing time.
7. Map scaling is for presentation and may not reflect exact block layouts.
8. Manual data collection may introduce errors; verify results for accuracy.

Contact:

Gert Pietersen, Managing Director

Patho Solutions (Pty) Ltd, Wellington, Western Cape 7654, South Africa

VAT: 4390288084

Phone: +27 72 900 0380

Email: gert@pathsol.co.za | info@pathsol.co.za

Website: www.pathsol.co.za

