

Sample Collection & Processing Workflow

Sample collection kit mailed to Customers



Collected at Farm



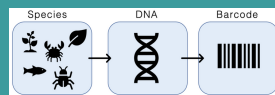
Insect Traps

Infected leaves

Infected bark



Samples processed at Evolve



Data & Insights shared with Customer



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Service Plans

One-time Test Services

- Diagnosis of Plant diseases
- Insect pest identification

Pricing based on number of samples & turn-around time required

Subscription Plans

- Regular Monitoring of Pests & Pathogens
- Soil Microbiome testing

Pricing based on duration (semi-annual or annual), size of the farm and sampling frequency

Contact us

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Leverage Genomics to Protect your Farms



About us

We are an innovative team of scientists and subject matter experts with broad experience in latest genomic technologies, food microbiology, environmental biodiversity, crop sciences, plant pathology, bioinformatics, data science and clinical laboratory practice.

At Evolve Genomix, our mission is to empower everyone to harness the high-quality analytical power of advanced genomic tools to improve the quality, yield, health, and sustainability of our food, farms, environment, and public health.

Human health has been the primary focal area for applying advanced genomic tools like next generation sequencing for many years and rightly so. But, as the cost of DNA sequencing has reduced significantly now, it is time for many underserved markets such as food industry, crop science, cattle & livestock farming, veterinary diagnostics and environmental monitoring to benefit from the genomic revolution. We, at Evolve Genomix, are looking to be a trustable testing partner for private & public companies, academic labs, government agencies and reference labs in these industries.



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Comprehensive Pest Monitoring



- Monitor over **150+** National priority insect pests in your farm
- Detect dangerous insects like ACP, Black scales, Leafminers, Long-horned beetles, Sharpshooters, etc. **early**
- Full taxonomic identification to genus & **species-level resolution**
- Superior **accuracy** & exceptional reproducibility compared to conventional microscopic morphology based identification
- Can detect **all forms** of insects in all its life stages (eggs, larvae, nymph, adult)
- **Fast** Turn-around time (5-7 business days)

Tracking Vector-borne Pathogens



- Detect dangerous pathogens like CLAs (HLB) and Xylella fastidiosa (Pierce's disease) **inside the body** of their insect vectors or **in the rhizosphere soil** before even you see infected plants in your farm
- Track all bacteria & fungi inside all insects in your farm **in one test**
- Full taxonomic identification to **genus & species-level resolution**
- Can detect even **unculturable** microbes
- **Fast** Turn-around time (5-7 business days)

Diagnosing Plant Diseases



- Detect all microbes present **directly** from the infected plant parts
- Full taxonomic identification to genus & species-level resolution
- Pair the microbe data from infected plants with that of the insect traps gathered from the farm to **triangulate the root cause** of the plant disease
- Early identification of the correct reason allows for early quarantining or culling of infected trees to **prevent widespread disease** in the farm
- **Fast** Turn-around time (5-7 business days). Culturing microbes can take several weeks



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