

TEST	WHEN?	HOW?
NEMATODE ANALYSES		
ROUTINE PLANT-PARASITIC NEMATODE ANALYSIS	Annual crops: When crop is still present, during growth phase. For intended crops, sample shortly before harvest.	<ul style="list-style-type: none"> Choose a sample area of 3 ha or smaller. Scrape away mulch layer (\pm 5cm). Take 10-20 subsamples and mix them well. Sample soil where roots are actively growing. Include 2kg soil per sample. For plant-parasitic nematode analysis, also include 10g fine roots (include tubers for tuberous crops). Avoid wet, lumpy, fine or powdery soil. Avoid dead zones or barren soil.
NEMATODE BIOINDICATOR ANALYSIS	Perennial crops: Around the same time each year. Keep samples from different rootstocks and plant ages separate.	
PLANT/ROOT ANALYSES		
MYCORRHIZAE COLONISATION	At least 2 months after planting.	<ul style="list-style-type: none"> Sample from an area with healthy, living plants. Cut roots from a living plant. Include 10g fine roots in soil per sample.
PLANT DISEASE ANALYSIS	Throughout the year.	<ul style="list-style-type: none"> Place samples in a Styrofoam (preferably) or sturdy cardboard box (with icepacks if possible). The plants can be lightly wrapped in dry paper bags. Place these wrapped samples in a plastic bag. Do not add any water. Include a completed submission form and attach it to the outside of the bag. Do not mix different samples (i.e. blocks, treatments etc., keep separately). Deliver as soon as possible (overnight).
PHYTOPHTHORA		
GRAPEVINE BUD ANALYSES		
BUD FRUITFULNESS	After leaf fall, before/during pruning.	Sample 10 shoots per hectare, each with 16 buds .
BUD MITE ANALYSIS		Sample 12 shoots per hectare, including bottom 6 buds .
INSECT ANALYSES		
PHYLLOXERA	Sample between December and February.	Sample roots from affected plant and include surrounding soil. Include 2kg soil and 10g fine roots .
OTHER INSECTS	Throughout the year.	<ul style="list-style-type: none"> Specimens can be collected in small vials in alcohol or live insects can be submitted in small containers. Infested plant parts can also be collected in brown paper bags or plastic bags. Keep cool and submit as soon as possible.
MITES		<ul style="list-style-type: none"> Monitoring: Collect 10-20 shoots per 1ha area/per tunnel. Place in paper towel inside plastic bag. Keep cool. Submit as soon as possible. Identification: Collect infested plant parts. Place in paper towel inside plastic or brown paper bag. Keep cool. Submit as soon as possible.
INSECT TRAP COUNTS	Dependent on insect being monitored but can be done throughout the year.	Wrap sticky traps individually in cling wrap or place inside plastic bag.
OTHER ANALYSES		
POLLEN VIABILITY TEST	Throughout the year.	Place approximately 1g in a plastic bag and seal it.

NB: Place samples in a clearly-marked plastic bag and **attach a completed submission form to the outside of the bag.**

Samples should be kept cool and dry on their way to the lab. They can be kept for short periods on cement or tiles, but never in vehicles or in direct sunlight.