

Roots Shoots & Fruits Ltd.

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Waiheke Island
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Email: rsf@rd2.co.nz

SOIL COLLECTION PROTOCOLS

- ◆ Sample technique - Prior to crop establishment or during late Autumn / Winter (dormancy)
- ◆ Collect from root Zone of vine / plant
- ◆ Remove top few cm of soil and take soil profile to a depth of 15 - 20 cm (Removal of top few cm is particularly important if fertiliser has been recently applied)
- ◆ Separate samples may be taken for, performance within crops, various soil types etc. as assessed by the grower or consultant
- ◆ Take 15-20 core samples for each sample block to be analysed and mix thoroughly (Use gloves please)
- ◆ Place approximately 500 grams of soil in Glad plastic bag as provided
- ◆ Fill in Grower sheet with as much detail as possible, One grower sheet for each sample taken
- ◆ Forward sample to Hill Labs or preferred laboratory - Results to be emailed to rsf@rd2.co.nz
Please tick the following test requirements for full soil workup: –
Basic Soil, Organic Matter, Sulphate Sulphur and in 'other tests' mark - M3 / T
- ◆ Grower sheet to Roots Shoots & Fruits Box 72, Waiheke Island, Auckland Fax 09-3729156
- ◆ Turnaround time is approximately 14 days from time of receiving sample
- ◆ Full Comprehensive Soil analysis, plus interpretation and recommendation provided

LEAF “Balanced Analysis“ PROTOCOLS

- ◆ Sampling time is best 3 weeks prior to flowering, Verasion, Post Harvest or throughout the growing season to monitor crop
NB: A soil analysis may be taken at the same time as leaf to see what elements are being locked up i.e. what is in the soil, what has been taken up by the leaf
- ◆ Full leaf and Petiole to be sampled & tested together, try to collect samples as long as possible after chemical applications (min 3-5 days)
- ◆ 2-4 leaves from approximately 20 plants at random or (as stated in Hill Lab guidelines)
- ◆ The amount of samples will depend on the grower assessment of: - different varieties, problematic areas, different soil structures within blocks etc.
- ◆ Youngest mature leaf, generally third leaf back from tip on new growth (Please use gloves)
- ◆ Leaf to be forwarded to Hill laboratories as per guide, preferably paper bag or plastic ventilated bag ASAP
- ◆ Basic leaf analysis plus chlorides is to be analysed
- ◆ Forward sample to Hill Laboratories under Grower name
- ◆ Tick the: - RESULTS TO BOX on the Hill laboratory form and get copy emailed to Roots Shoots & Fruits
- ◆ One Grower sheet is to be completed per leaf sample and forwarded to Roots Shoots & Fruits or local distributor with Order Number
- ◆ It would be advantageous for new clients to supply latest soil analysis results for that block sampled (History)
- ◆ Turn around time for interpretation of the analysed results approximately 7 – 10 days