



## Agri Lab Soil, Plant, Media and NFT Sampling Notes for BerryCo Clients

We have sample supplies for soil, leaf, media and NFT samples at BerryCo Ltd, including complimentary addressed courier bags. Please phone or email the lab with any questions or to have sampling supplies couriered to you.

**To contact the Agri Lab:** email: [agrinz@eurofins.com](mailto:agrinz@eurofins.com) or phone Nevan Ofsoski: mobile 0274 059 068 or Sarah Jones: mobile 027 522 0344. Eurofins Agri Lab, 35 O'Rorke Road, Penrose, Auckland 1061

### ➤ Blueberry Soil Sampling:

- **WHEN:** Sample soils before crop establishment and every year in Autumn to early Winter.
- **HOW:** There are sample and courier bags and forms at BerryCo for Client use. Use the 15cm soil corer from BerryCo that Eurofins has donated for their Clients to use. Collect 15 -20 soil cores from the root zone of each blueberry area. Avoid any dripper zones.
- **RECOMMENDED TESTS:** BCS1 = BasicCEC + C/N Package (includes pH, P, SO<sub>4</sub>, Ca, Mg, K, Na, CEC, %BS, Total N, Total C, Organic Matter, Available N & the Total C:Total N ratio. The retail cost is \$101 + GST and **your BerryCo cost is \$85.85 + GST/sample** ).
- **Optional BasicCEC Test** – (pH, P, SO<sub>4</sub>-S, Ca, Mg, Na, K, CEC/BS data), **your cost is \$55.25/sample**. (Your price for additional soil tests - Available Nitrogen \$15.30; Trace5 – five trace elements \$25.50; Soluble Salts \$8.50)

### ➤ Blueberry Plant Sampling:

- **WHEN:** Three weeks prior to harvest, up to the 1<sup>st</sup> week in which 35% of the crop is harvested.
- **HOW:** From at least 10 plants, collect 50 young mature leaves\* (blade & leaf stalk) from the current seasons fruiting shoots.
- \*(Young mature leaves are the youngest fully sized leaves. Avoid old leaves and avoid young leaves that are not full size).
- **RECOMMENDED TESTS:**
- **Hort** profile (includes N, P, K, S, Ca, Mg, Na, Fe, Mn, Zn, Cu, B) and costs \$75 retail, or your **BerryCo price is \$63.75 + GST / plant sample**.
- **Hort + Mo** profile (includes N, P, K, S, Ca, Mg, Na, Fe, Mn, Zn, Cu, B + Mo) and costs \$90 retail, or your **BerryCo price is \$76.50 + GST / plant sample**. it is useful to request an extra Molybdenum test as adequate Molybdenum is needed for root uptake of Nitrogen.

### ➤ Blueberry Media Sampling

- Avoiding the drippers, collect a scoop of media from 7 to 10 planter bags and combine as one sample for the media test.
- (**Media** includes pH, Conductivity, NO<sub>3</sub>, NH<sub>4</sub>, P, K, S, Ca, Mg & Na) and costs \$67 retail or your **BerryCo price is \$56.95 + GST each**.
- Other Media Tests you may require
- (**MediaTE** includes Iron, Copper, Zinc, Manganese and Boron) and costs retail \$45 or your **BerryCo price is \$38.25 + GST each**.
- (**MediaCN** includes Total N, Organic N, Total C, Organic Matter, DM, Moisture, pH & the Total N:Total C ratio), this test is valuable to check that the TC:TN ratio is suitable and costs \$71.50 retail or your **BerryCo price is \$60.78 + GST each**

### Blueberry NFT Samples

- Using an NFT bottle from BerryCo, collect a bottle fill of solution. Mark on the submission form if it is a Drain or Working NFT solution, or a Stock NFT solution which would need dilution before testing.
- Includes pH, conductivity, NO<sub>3</sub>, P, K, S, Ca, Mg, Na, Cl, Fe, Mn, Zn, Cu, B and the retail cost is \$57 or your **BerryCo price is \$48.45 + GST**. Additional NFT tests include the Ammonium N(NH<sub>4</sub>) or Molybdenum level in the NFT solution.

### Blueberry Domestic Water Testing

- Collect a water test kit from BerryCo, being careful to select either a Domestic test kit or Domestic kit with E Coli. Follow the instructions & **courier the sample to Eurofins ELS, 85 Port Road, Seaview, Lower Hutt 5010 (mark Attn Water Lab & include the frozen gel packs)**.
- (includes pH, Conductivity, Turbidity, Alkalinity, Total Hardness, Cl, SO<sub>4</sub>, NO<sub>3</sub>, Arsenic, B, Ca, Cu, Fe, Mg, Mn, K, Silica, Na, and Zinc).
- To contact the Water Lab, phone (04) 568 1200 or email [asmelsnz@eurofins.com](mailto:asmelsnz@eurofins.com)

**Reporting** -We can post or email you a copy of the test report.

**Invoicing** - We will invoice you once the testing is complete.

**All the very best with growing your blueberry crops!**

## Submission Form for BerryCo Clients

 Consultant Code:  
**BCO**

Client Ref :

**Client Name**

Postal Address:

Email:

**Report Copies to:**
**SOIL SAMPLE TYPE:**

 Land Use: H = Horticulture  Other .....

Soil Group: S = Sedimentary, PU = Pumice, V = Volcanic, PT = Peat, O = Other

**PLANT TYPE** Blueberry  Other .....

**Sampling Date:** : / /

**Date Couriered:** : / /

SOIL TESTS	Land Use	Soil Group	(BCS1) Test	(Basic CEC) Test	Available Nitrogen (Avail N)	(Trace5) Trace Elements	Soluble Salts*	Other Tests
Sample Name								
(BCS1)	BasicCEC (pH, Olsen P, SO4-S, Ca, Mg, Na, K, CEC/BS data) + Total N + Total C + Avail N + TC:TN ratio							
(BasicCEC)	BasicCEC (pH, Olsen P, SO4-S, Ca, Mg, Na, K, CEC/BS data). * Soluble Salts = Soil Conductivity							

**PLANT TESTS**

Sample Name	Plant Type Blueberry	Other Plant (List)	(Hort) Test	Mo Test (if N is low)	Other Tests
<b>(Hort)</b> - N, P, K, S, Ca, Mg, Na, Cu, Fe, Mn, Zn and Boron					

**MEDIA TESTS**

Sample Name	(Media) Test -pH, N, P, K, S, Ca, Mg, Na, NO3, NH4, Conductivity	(MediaTE) - trace elements Iron, Copper, Zinc, Manganese and Boron	(MediaCN) Test - Total C, Total Nitrogen, DM, pH and TC:TN ratio

**NFT TESTS**

Sample Name	NFT Test - pH, conductivity, NO3, P, K, S, Ca, Mg, Na, Cl, Fe, Mn, Zn, Cu, and Boron	Ammonium N Test (NH4-N)	Molybdenum Test (Mo)

Comments:

Declaration:

I agree that the details on this submission form are correct and agree to abide by the terms of trade.

Signature:.....

**OFFICE USE:**
**Date**
**Initials**

Date Received

Date Entered

Validated

Report Release

18 October 2017