



SWEP *Fast, Accurate, Reliable*
Soil Analysis

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POST SAMPLE TO:
PO BOX 583, NOBLE PARK VIC 3174

COMPLETE TRUFFLE SOIL ANALYSIS
FOR ESTABLISHED PLANTATIONS ONLY

Client Information:

Name: _____ Contact Phone: _____
Postal address: _____ Mobile Phone: _____
_____ Postcode: _____
Email address: _____

SWEP specialise in soil science and has extensive experience in testing and recommending for soils producing Truffles. Over the years SWEP have also utilised the consultancy of Palm-Ag Services to provide you with assistance and guidance in using this test.

Please tick the box if you choose to have a copy of your results sent to Larry Palmer of Palm-Ag Services for product interpretation and guidance in applying our recommendations.

Disclaimer: All recommendations are made in good faith at the time and are based on SWEP's experience and research. However, we cannot guarantee production of truffles by the use of this test or recommendations and cannot be held responsible for any results obtained.

In order for us to continue our research on these soil tests it would be greatly appreciated if you could give us some indication of your production. This will benefit all growers including you in the long run. We do not expect you to give exact figures. All information is confidential and will not be disseminated.

Please tick the box on the right that applies to you:

Sample information:

Topography	Hill	Flat	Swamp	Slope
Drainage	Very good	Good	Poor	
Annual Rainfall (mm/in)				
Applications:				
Was there a previous truffle soil analysis done on this area through SWEP? Yes / No. If Yes please provide SWEP file #: _____ Date: _____				
Please fill out: <i>'Complete truffle soil PREVIOUS APPLICATIONS' page 3.</i>				

- Is your plantation too young to be producing?
- Is your plantation old enough but not producing?
- Is your plantation giving less than 1kg per hectare?
- Is your plantation giving between 1-10kg per hectare?
- Is your plantation giving between 10-20kg per hectare?
- Is your plantation exceeding 20kg per hectare?

Any Comments:

Sample Identification:

Sample Name	Age of plantation	Land use	Certified Organic		Area – Ha or Ac	Sample depth	Amount
			Y	N			
		Truffles	Y	N		0-15cm (0 – 6 in)	\$ 715.00 (Inc GST)

NB. If not paying online please enclose your payment as either: **Money Order** (payable to **SWEP Pty Ltd**) or **Credit Card details**.

Credit Card Payment:

Full Name (as shown on card) _____
_____ Cardholder's Signature

Please debit my **VISA / MASTERCARD** for the amount of \$ _____ (AUD)

□□□□-□□□□-□□□□-□□□□

Expires: □□/□□

Directions on sending in samples of Truffle growing soil (Complete)

- **Collect your sample/s according to instructions below**, and then place 250g of mixed soil in sealable zip lock bag/s.
- **Complete all details on soil information sheet** with as much information as you can provide and enclose the completed form with your soil sample.
- **Include payment with your samples** (credit card details, cheque or online payment at www.swep.com.au. Please contact us if you would like to pay via EFT).

Please read the instructions below carefully before taking samples

Collecting soil samples for analysis

Remember, you are looking for a 'Representative average' for a particular area. Look for changes where soil varies, i.e.: colour, texture or clay content and where there is a distinct change in tree growth or health, or where truffle production varies (no, minimal or good production) and other differences, such as hills compared to flats or slopes. Sampling a large area with such variance, in particular truffle production, will not allow the cause of the difference to be determined. Most importantly, you need to use the right soil sampling implement and sample to the right depth with every core.

As a general rule:

- **Each sample area is uniform in terms of:** soil type, topography, land use & fertiliser history.
- **One sample can cover up to 2 hectares (5 acres)**
- **Sample depth should cover the zone in which Truffles form** – soil surface to 15 cm (6 inches)
- **All cores should be consistent** eg. All cores taken to a depth of 15cm from the soil surface to the bottom of the core and approximately 20 - 25mm in diameter. If obvious soil differences occur within a block it would be wise to test this area separately. If this is not possible, leave this area out of the sample as a major soil type variation may alter results significantly.
- **Do not touch soil sample with your hands, as this may affect the sodium level.**
- **Do not brush away or remove any surface material before taking a soil core!**

Use a Stainless steel core sampler (other metals produce distorted results for Iron, Copper & Zinc etc.). Please contact us if you are having trouble finding a sampler.

Collect 15-20 cores from the tree canopy drip line on established trees or approximately 0.5 metres from the tree line of immature trees. Where possible, record and mark the approximate position where sample was taken, eg. "*between tree 35 and 36, in row 10*". This should give a more consistent and concise result each time you sample. Ideally retest annually, following the same path, same sample depth, at the same time of the year, this way you can track changes that occur over time.

Mix these cores very thoroughly with a clean stainless steel spoon, not your hands in a clean plastic bucket. Remove any growing matter (grass etc).

Write the relevant information on sample bag provided, then **take 250g of mixed cores**, fill and seal bag (excluding as much air as possible).

Fill in the information sheet provided, add payment details and mail to SWEP Pty Ltd in an express post satchel.

Key: X = sample T = tree o = marker

T	T	T
x o		
T	T	T
	x o	x o
T	T	T
x o	x o	
T	T	T
	x o	
T - 36	T	T
x o		x o
T - 35	T	T
T	T	T
	x o	
T	T	T
		x o
T	T	T
Row 10	Row 11	Row 12

Complete Truffle Soil Analysis continued

Client Name:

In order for us to help you with product interpretation / recommendations, please fill out this form with as much detail as possible.

Previous Applications:

Applications	Date D/M/YR	Quantity t/ha	Analysis	
			Ca__%	S__%
Lime Fine (tonnes/ha)			Ca__%	
Lime Course (tonnes/ha)			Ca__%	
Gypsum (tonnes/ha)			Ca__%	S__%
Dolomite Fine (tonnes/ha)			Ca__%	Mg__%
Dolomite Course (tonnes/ha)			Ca__%	Mg__%
Magnesium Oxide (tonnes/ha)				Mg__%

Fertiliser (kilograms per hectare)	Date D/M/YR	Quantity kg/ha
Nitrogen eg. S.O.A, UREA		
Phosphorus eg. DAP, MAP, SSP		
Potassium eg. S.O.P		
Sulphur eg. Elemental Sulphur		

Trace Elements (kilograms per hectare)	Date D/M/YR	Quantity kg/ha
Copper Sulphate		
Zinc Sulphate		
Manganese Sulphate		
Iron Sulphate		

Biological Stimulants (litres per hectare)	Date D/M/YR	Quantity L/ha
Kelp		
Molasses or White Sugar		
Worm Leachate		
Fish Emulsion		
Liquified Humate		
Green Manure		