



Soil Sampling Procedure Sheet

Soil Sampling Kit

The kit (pictured) contains:

- An outer poly bag
- Two 10mm wide poly bags labelled **BioAg Soil Sample**
- Two smaller 7.5mm wide poly bags labelled **BioAg Program Sample**
- Two 7.5mm wide poly bags labelled **BioAg Client Soil Sample**
- Two **Paddock Information Sheets**
- A disposable poly glove to prevent contamination of the soil
- A **Soil Sampling Procedure** instruction sheet (this sheet)
- A **Soil Test Request Form**, which is your order form (you will be issued a Tax Invoice on completion)



Each kit contains enough bags to collect samples from two paddocks.

Sampling kits are available from your BioAg agronomist or from the BioAg Head Office by calling 02 6958 9911.

Sampling Procedure

Caution: *Please follow the instructions below carefully to enable us to prepare a professional program for you. The analysis will only be accurate if the samples you collect are taken with great care.*

You will need a stainless steel soil sampling probe to take the core samples. These are available from rural merchants and are an important tool in any farmer's kit.

If you don't have one and are unable to obtain one, call your BioAg agronomist and they will arrange one for you.

Always make sure the probe is clean before use.

See overleaf for steps.





Soil Sampling

Procedure Sheet *(continued)*

1. Clear any vegetable material from the top of the soil before sampling. Take the soil sample from the top of the soil to the depth of the aerobic zone – 10 to 15cm. Make sure to use a clean probe to extract the core samples, and try to avoid any contact of the samples with your skin.
2. Samples should be taken from soil types which have been farmed similarly. Use GPS or a drawing to recognise the sample spots for future sampling. Avoid areas of waterlogging, erosion points, burnt residues and carcasses, fence lines, traffic areas, headlands, fertiliser dumps and animal camps.
3. Place the samples into a new or clean bucket and mix them with a clean spoon or similar instrument. Approximately 20 cores will be required for each sample.
4. Without touching the sample, place one cup of soil (250ml) from the bucket into the **10mm BioAg Soil Sample Bag**, clearly and legibly mark all the requested details and remove excess air from the bag. Place this bag into the **Soil Sampling Kit Bag**.
5. Again, without touching the sample, place $\frac{1}{4}$ cup (60ml) of soil from the bucket into the **BioAg Program Soil Sample Bag**, clearly and legibly write down all of the requested details on the label and remove excess air from the bag. Place this sample bag into the **Soil Sampling Kit Bag**.
6. Similarly, place $\frac{1}{4}$ cup (60ml) of untouched soil from the bucket into the **BioAg Client Soil Sample Bag**. Write the details on the bag as above, and remove excess air from the bag. Retain this sample bag in a clean storage area free from chemicals and out of sunlight, or send it to your BioAg agronomist for program recommendations. Your BioAg agronomist will advise you whether to send the samples or retain them.
7. Place the **Soil Sampling Kit Bag**, the completed **Paddock Information Sheets** and the **Soil Test Request Form** in a Post Pack or Express Post Pack and address it to BioAg Pty Ltd, 22-26 Twynam Street, Narrandera NSW 2700. Note that the outer bag has the capacity to contain two Soil Sample Bags and two Program Soil Sample Bags (i.e. the samples required for tests from two paddocks).
8. If you have any queries about your soil test procedure, contact your BioAg agronomist or the BioAg Office on 02 6958 9911 or sales@bioag.com.au.



Soil Sampling

Paddock Information Sheet

PLEASE PRINT

Name

Date

Paddock Names/No.

It is important that this sheet is completed as completely and legibly as possible to provide the basis for the best possible interpretation of the results and to optimise the resultant prescription.

Depth to which soil has been sampled

Previous soil audit reference number

Average rainfall

Irrigation & if yes, type (flood, spray, trickle)

Soil Characteristics

Soil type

Area sampled

(ha)

Depth to hardpan (if evident)

(mm)

Soil aeration and/or soil structure

Soil moisture content





Soil Sampling

Paddock Information Sheet *(continued)*

Crop Details

Intended crop/pasture

Desired yield goal

Previous crop/pasture

Previous crop yield

Residue remaining

Current crop being grown

Dominant or problem weeds

Evident soil diseases

Fertiliser History

Calcitic Lime

year applied:	@	(t/ha)
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Dolomite

year applied:	@	(t/ha)
---------------	---	--------

Gypsum

year applied:	@	(t/ha)
---------------	---	--------

Phosphate Rock

year applied:	@	(kg/ha)
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Soil Sampling

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Phosphate Rock

year applied:	@	(kg/ha)
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Soil Test Request Form

Date	<input type="text"/>		
Name	<input type="text"/>		
Address	<input type="text"/>		
Phone	<input type="text"/>	Fax	<input type="text"/>
Email	<input type="text"/>		
BioAg Agronomist	<input type="text"/>		

Please indicate your requirements below by adding up the cost of the desired service by the number of samples. If you wish to make payment by cheque, please make cheques payable to BioAg Pty Ltd, and enclose with your soil sample/s. Alternatively, a Tax Invoice with payment options will be issued to you upon completion.

Code	Test	No. Samples	Cost per Sample	Total Cost
RA-PACK-001	Routine Agricultural Soil Analysis – Australian Reams / Albrecht Testing		ex GST	ex GST
	Includes pH and EC (1:5 water); Available Calcium, Magnesium, Potassium, Ammonia, Nitrate, Phosphate, Sulphur; Organic Matter; Exchangeable Sodium, Potassium, Calcium, Magnesium, Hydrogen, Aluminium, Cation Exchange Capacity); Bray I and II Phosphorus; Available and Extractable Phosphorus; Colwell Phosphorus; Available Micronutrients Zinc, Manganese, Iron, Copper, Boron, Silicon; Total Carbon and Total Nitrogen, TC/TN Ratio; Colour and Texture.		\$132.00	
RA-RACK-300	Agricultural – Albrecht / Reams plus Totals and Heavy Metals			
	Includes pH and EC (1:5 water); Available (Calcium, Magnesium, Potassium, Ammonium, Nitrate, Phosphate, Sulphur); Exchangeable (Sodium, Potassium, Calcium, Magnesium, Hydrogen, Aluminium, Cation Exchange Capacity); Bray I and II Phosphorus; Colwell Phosphorus; Available Micronutrients (Zinc, Manganese, Iron, Copper, Boron, Silicon); Total Carbon (TC), Total Nitrogen (TN), Organic Matter, TC/TN Ratio; Basic Colour, Basic Texture; Totals (Sodium, Potassium, Calcium, Magnesium, Sulphur, Phosphorus, Silicon, Cobalt, Molybdenum, Selenium, Zinc, Manganese, Iron, Copper, Boron and Aluminium); Heavy Metals (Silver, Arsenic, Lead, Chromium, Nickel, Cadmium, Mercury).		\$200.00	
	Total Samples			
	Total Cost ex GST			
	GST @ 10%			
	Total Cost inc. GST			

Please collect and label your samples in accordance with the method provided in the Soil Sampling Procedure.

