



# BACK PADDOCK SoilMate

**V 5.5**

**User Guide**



# SoilMate User Guide

Version – 5.5

© Back Paddock Company 2011

---

**Contact Us:**

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Table of Contents

Getting Started .....	4
Installing SoilMate .....	4
Starting SoilMate .....	4
SoilMate Licencing .....	5
New Users .....	5
Existing Users .....	6
Process Flow Chart.....	7
Printing Barcode Labels .....	<b>Error! Bookmark not defined.</b>
Laboratory Test Codes .....	8
Inputting Basic Information .....	14
Sample Order Form.....	24
Hand-written copy .....	24
Electronic copy.....	25
Adding a new Trading Name, Farm or Paddock.....	26
Sample Information Form.....	29
Hand-written copy .....	29
Electronic copy.....	30
Pre-Logging Data.....	31
Adding a new Trading Name, Farm or Paddock.....	32
Soil Texture .....	34
Evaluation .....	34
Evaluation Parameters .....	36
Sample Depth.....	36
Model Tabs .....	36
Sample Details.....	37
Associated Sample Profile Details .....	37
Paddock History Details .....	38
Importing Lab Test Results.....	39
Evaluating Results .....	41
Evaluation Tab .....	42
GrainNPlan / CotNPlan .....	45
Making a Recommendation .....	46
Recommendation Tab.....	46
Add.....	46
Wizard.....	46
Last Used .....	46
Adding a New Fertilizer to the database of fertilizer products .....	47
Order of Fertilizer Program .....	48
To add Application comments .....	48
To add a Timing comment:.....	48
Details & Reports Tab .....	49
Fertilizer Summary Report .....	50
Trend Analysis.....	51
Blocked Lab Tests.....	60
No Matching Purchase Order.....	62
Purchase Order Under Filled .....	63
Purchase Order Overfilled.....	64
Payment of Soil Tests.....	65
How add your logo to SoilMate reports.....	70
Soil Ammendment Model .....	74
LimeMate .....	75
SodiCalc.....	75
Setting up the Ammendment Model .....	76
Products .....	76
Recommendations .....	78
LimeMate Tab .....	80
SodicCalc Tab .....	82
LimeMate Inputs Tab .....	83
SodiCalc Inputs Tab .....	84
Selection of Evaluation Tables .....	81

### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Getting Started

### Installing SoilMate

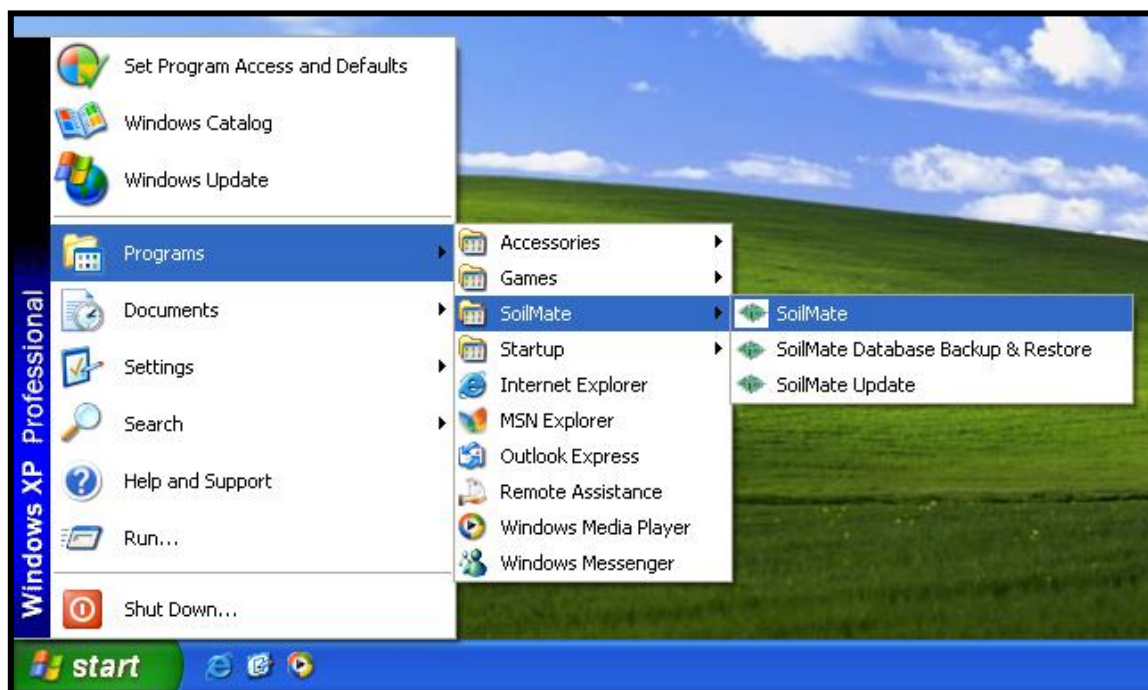
Load the **SoilMate CD** into the **disk drive** on your PC. An **installation guide** will be displayed on screen. Please follow these instructions to **install SoilMate software**. A restart of your computer will be required (maybe > 1 restart).

### Starting SoilMate

Once SoilMate is installed you will need to start the program. This can be done one of two ways.

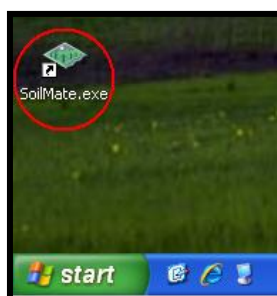
- 1) You may start **SoilMate** at any time by using the **Start menu**.

Click the **Start** button located at the lower left hand side of the screen then mouse over **Programs** then mouse over **SoilMate** then finally left click once on **SoilMate**.



- 2) You may start **SoilMate** by using the **SoilMate icon** located on the **desktop**.

When viewing your desktop find the **SoilMate icon**, place your **mouse over the icon** and **double left click**.



### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

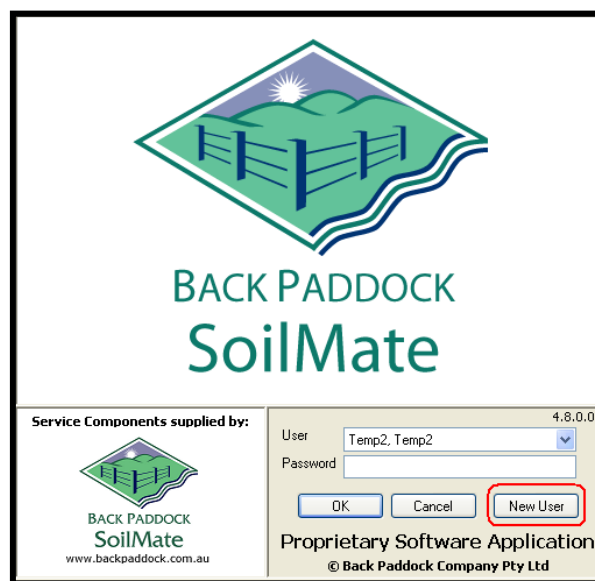
**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

## SoilMate Licencing

### New Users

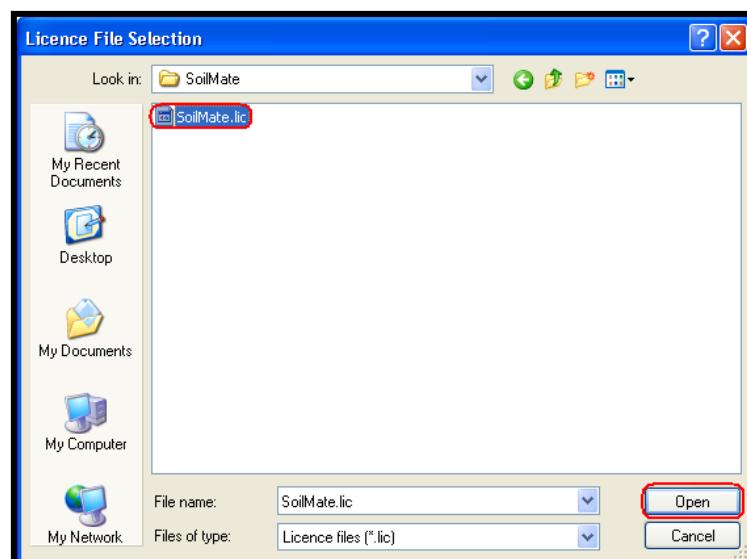
Your SoilMate licence file is sent to you as an attachment to an email message. The attached file **SoilMate.lic** needs to be saved in the following directory - **C:\SoilMate**. To do this right click on the attached **SoilMate.Lic** file and click **save** or **save as** depending on your email client. Next, navigate to **C:\SoilMate** and click **save**.

Once you have started SoilMate you will be presented with the Login Screen. This screen allows you to select your user account to log into SoilMate, create a new user or quit (cancel) the program.



At the login screen click 'New User'.

SoilMate now requires you to select your licence file. Navigate to **C:\SoilMate** and select it by left clicking the file once.



### Contact Us:

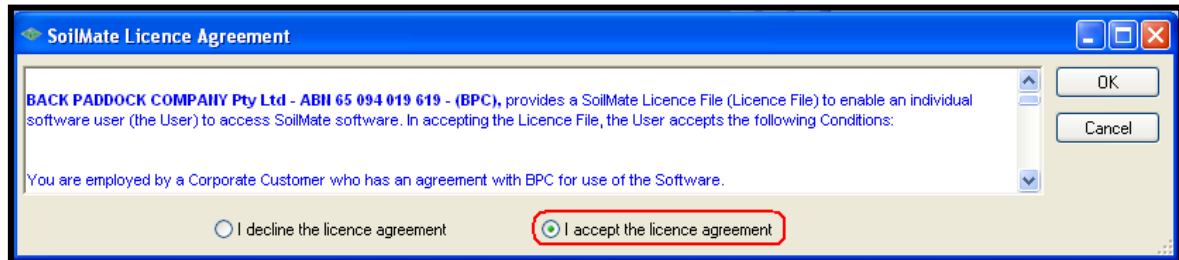
**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

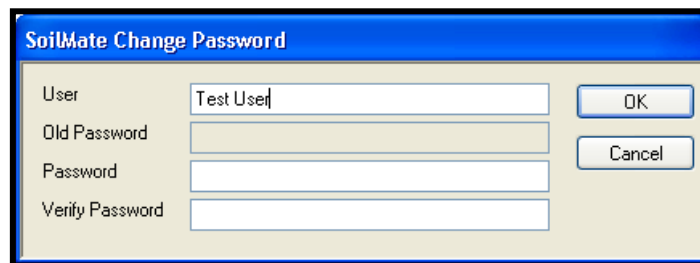
**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

Once the file is highlighted you may now click the **Open** button.

You will then be presented with the **SoilMate Licencing Agreement**. Once you have read through the agreement tick the **I accept** checkbox and click **OK**.



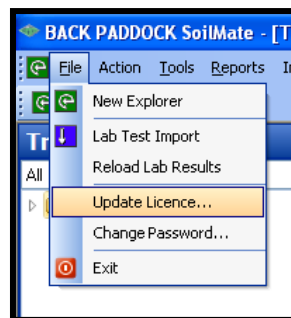
Next you will be asked for a **username** and **password**. The **username** and **password** will be needed to log into SoilMate in the future. A **password** is not mandatory and can be left blank. Once you have filled in the information click **OK**.



**SoilMate is now ready to use.**

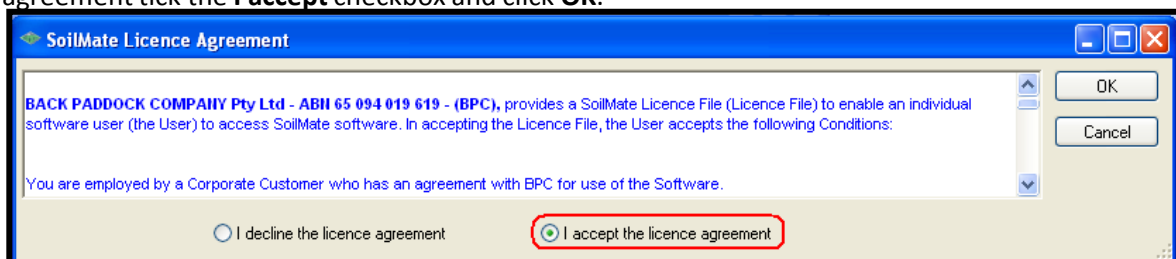
### Existing Users

If you are already licenced with SoilMate and receive a **new licence** you will need to **update your current licence**. This can be done once logged into the application by selecting **File>Update Licence**.



Navigate to **C:\SoilMate**, select the **licence file** and then click **OK**.

You will then be presented with the **SoilMate Licencing Agreement**. Once you have read through the agreement tick the **I accept** checkbox and click **OK**.



### Contact Us:

**Freecall Helpdesk:** 1800 557 166

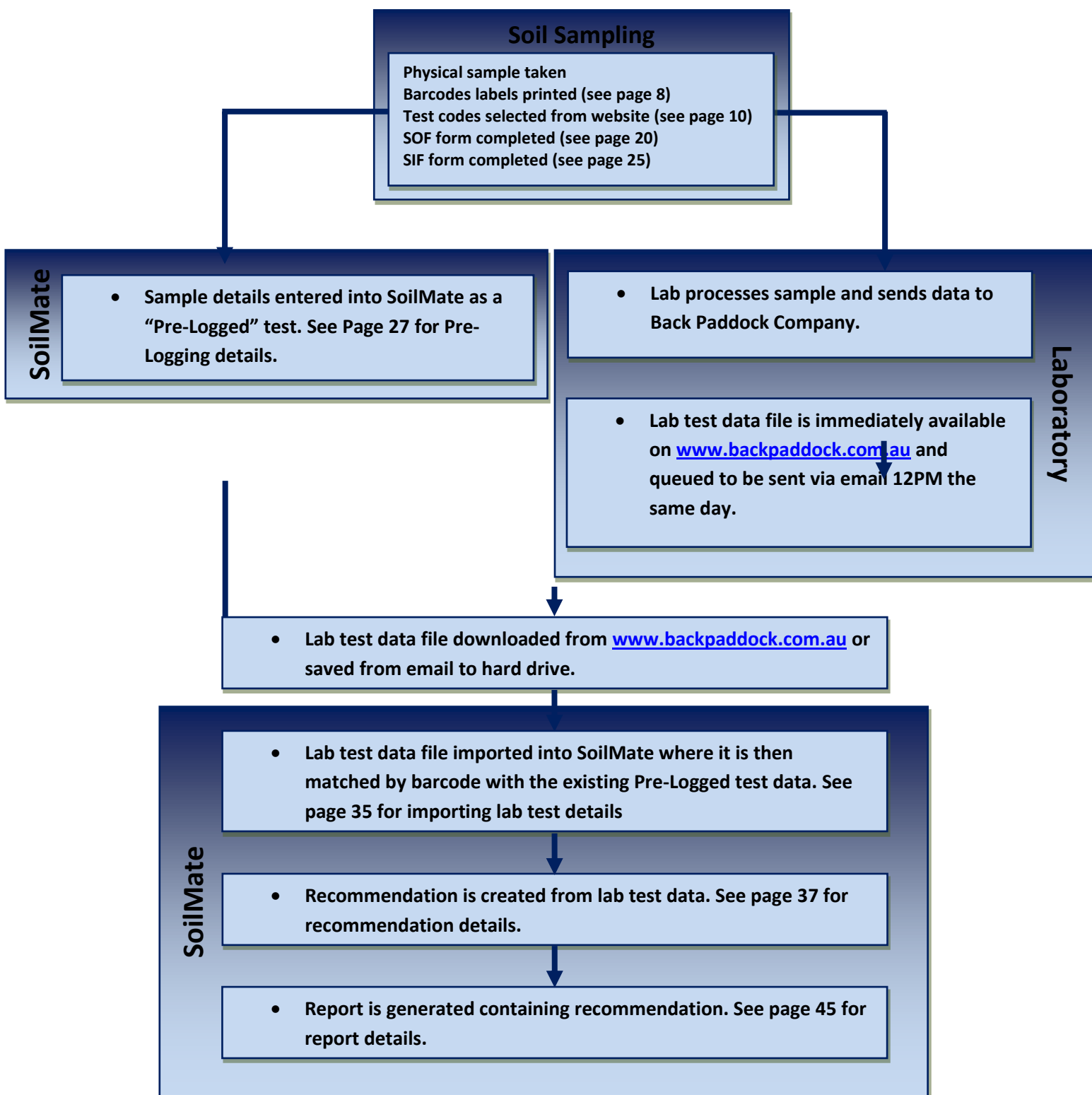
Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)



## Process Flow Chart SoilMate

7



### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)



## aboratory Test Codes

Laboratory test codes can be viewed on the Back Paddock website.

Open [www.backpaddock.com.au](http://www.backpaddock.com.au) in your web browser.

If you want to view the available test codes for your region and situation go to the **Australian map** and click on **Click to view available tests in your area**.

Show me information for:

☒ Farmers

☒ Agricultural Advisers

HOME

PRODUCTS

- SoilMate
- Adviser
- Manager
- Training
- Nutrition

LINKS

CONTACT US

SoilMate User Login

User:

Name:

Password:

☐ Remember me next time.

All Enquiries:

1800 557 166

[info@backpaddock.com.au](mailto:info@backpaddock.com.au)


**Microsoft**

The Back Paddock Company is an Australian owned and operated company that provides information systems, training and consultancy to agriculture. We are independent and specialize in practical and profitable solutions to improve farm planning, and management of soils and plant nutrition.

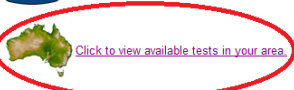
**Products:**



BACK PADDOCK  
SoilMate



A software and training services package for improved soils management and plant nutrition advice; based on soil and plant analysis.




[Click to view available tests in your area](#)




BACK PADDOCK  
Adviser

Easy to use farm management software for planning from multiple farms to sub-paddock level; flexible business improvement tool for anyone who provides advice on farming; the leader in this market.



BACK PADDOCK  
Manager

Quick and accurate farm planning, recording and mapping for farm managers from corporate aggregation to single farm; integrates with BP Adviser.



BACK PADDOCK  
Training

Courses for farmers, farm advisers and others interested in soils management, plant nutrition and improved farm management planning.



BACK PADDOCK  
Nutrition

Soil and plant nutrition consultancy based on a position spanning 'science to practical adoption by advisers and farmers', independent of any fertiliser products sales.

Click on your state

Show me information for:

☒ Farmers

☒ Agricultural Advisers

HOME

PRODUCTS

- SoilMate
- Adviser
- Manager
- Training
- Nutrition

LINKS

CONTACT US

SoilMate User Login

User:

Name:

Password:

☐ Remember me next time.

All Enquiries:


1800 557 166

[info@backpaddock.com.au](mailto:info@backpaddock.com.au)

**Microsoft**

**SoilMate Lab Products:**

Select a state



### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)



Tick off **crop type**, **laboratory** and **Analysis type**.

SoilMate Lab Products:

State selected - QLD

Select other search criteria

**Crop Type** **Laboratory** **Analysis Type**

☐ Horticulture ☐ APAL ☐ Combo

☐ Horticulture Other ☐ CSBP Soil & Plant Laboratory ☐ Plant Sap

☐ Horticulture Tree Crop ☐ Environmental Analysis Laboratory ☐ Plant Tissue

☐ Legume, Oilseeds, Fibres ☐ East West EnviroAg ☒ Soil

☐ Other ☐ Hortus Technical Services ☐ Water

☐ Pasture ☐ Nutrient Advantage Laboratory Services

☐ Sugar ☒ SGS Agritech Laboratory

☐ Summer Cereal

☒ Winter Cereal

Select **Testing depth** and **Analysis group** if you want to select certain analytes and then **click submit**.

All Enquiries:  
1800 557 166  
info@backpaddock.com.au

Microsoft  
CERTIFIED  
Partner

ISV

Winter Cereal

Select other search criteria

**Testing Depth** **Analysis Group**

☐ Shallow ☐ Cations (K,Ca,Mg,Na,Al)

☐ Deep ☐ Organic Carbon

☐ P (BSES)

☐ P (Colwell)

☐ P (Olsen)

☐ PBI

☐ pH, EC, chloride, nitrate-N, ammonium-N

☐ Sulfur (MCP, KCL 40)

☐ Trace elements (Zn,Cu,Fe,Mn,B,Mo)

**Submit**

A selection of test codes will appear according to your selection parameters

SoilMate Lab Products:

Product	Laboratory	Description
SG-SNB-01	SGS Agritech Laboratory	SGS Core Surface
SG-SNB-26	SGS Agritech Laboratory	SGS Core Surface+BSES P
SG-SNB-27	SGS Agritech Laboratory	Core Deep including BSES
SG-SNB-29	SGS Agritech Laboratory	SGS Surface Short+Nitrate+Cations

**New Search** **Download**

Filter parameters

State: QLD

Crop Type: Winter Cereal

Laboratory: SGS Agritech Laboratory

Analysis Type: Soil

Testing Depth: Shallow

Analysis Group: Cations (K,Ca,Mg,Na,Al); Organic Carbon; P (BSES); P (Colwell); PBI; pH, EC, chloride, nitrate-N, ammonium-N

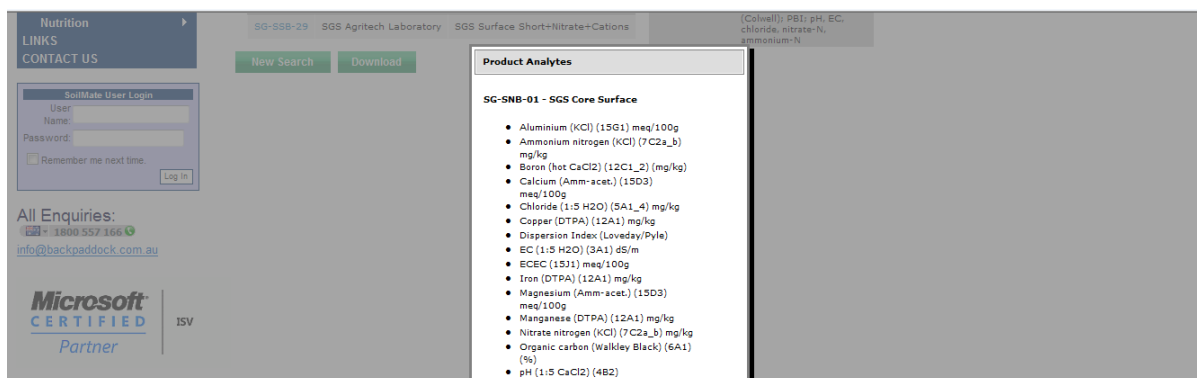
## Contact Us:

Freecall Helpdesk: 1800 557 166

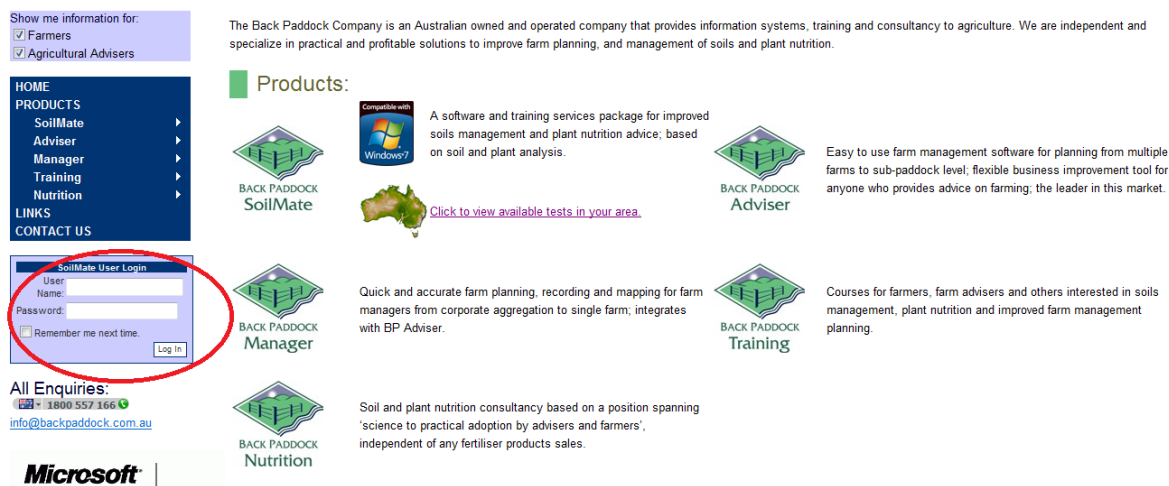
Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

Click on the test codes to view the analytes tested by the code.



To get prices of test codes or spreadsheets of available test codes enter your login details into the **SoilMate User Login** box then click the **Log In** button.



**Note:** Login details are supplied by Back Paddock Company and will be emailed to you. If you do not have login details please contact the Help Desk on 1800 557 166 to request them.

### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

Once logged in go to the **Australian map** and click on **Click to view available tests in your area.**



Show me information for:  
☒ Farmers  
☒ Agricultural Advisers


HOME  
PRODUCTS  
SoilMate  
Adviser  
Manager  
Training  
Nutrition  
LINKS  
CONTACT US


SoilMate User Login  
User Name:  
Password:  
☐ Remember me next time.


The Back Paddock Company is an Australian owned and operated company that provides information systems, training and consultancy to agriculture. We are independent and specialize in practical and profitable solutions to improve farm planning, and management of soils and plant nutrition.

**Products:**

**BACK PADDOCK SoilMate**  
  A software and training services package for improved soils management and plant nutrition advice; based on soil and plant analysis.

**BACK PADDOCK Adviser**  
 Easy to use farm management software for planning from multiple farms to sub-paddock level; flexible business improvement tool for anyone who provides advice on farming; the leader in this market.

**BACK PADDOCK Manager**  
 Quick and accurate farm planning, recording and mapping for farm managers from corporate aggregation to single farm; integrates with BP Adviser.

**BACK PADDOCK Training**  
 Courses for farmers, farm advisers and others interested in soils management, plant nutrition and improved farm management planning.


[Click to view available tests in your area.](#)

The screen that appears allows you to select test codes with prices by following the same procedure as above.

☒ Agricultural Advisers


HOME  
SoilMate User Account  
PRODUCTS  
SoilMate  
Adviser  
Manager  
Training  
Nutrition  
LINKS  
CONTACT US  
Site Administration

Welcome  
sgardiner@backpaddock.com.au  
[Log Out](#)

All Enquiries:  
 1800 557 166  
[info@backpaddock.com.au](mailto:info@backpaddock.com.au)

**Microsoft CERTIFIED Partner** ISV

Select a state or download complete laboratory products list [Select a laboratory]



Test codes can now be seen with prices.

Show me information for:  
☒ Farmers  
☒ Agricultural Advisers

HOME  
SoilMate User Account  
PRODUCTS  
SoilMate  
Adviser  
Manager  
Training  
Nutrition  
LINKS  
CONTACT US  
Site Administration

**SoilMate Lab Products:**

Product	Laboratory	Description	Current Price (AUD)
SG-SNB-01	SGS Agritech Laboratory	SGS Core Surface	98.88
SG-SNB-26	SGS Agritech Laboratory	SGS Core Surface+BSSES P	110.60
SG-SNB-27	SGS Agritech Laboratory	Core Deep including BSSES	92.70
SG-SSB-29	SGS Agritech Laboratory	SGS Surface Short+Nitrate+Cations	57.68

**Filter parameters**  
State: QLD  
Crop Type: Winter Cereal  
Laboratory: SGS Agritech Laboratory  
Analysis Type: Soil  
Testing Depth: Shallow  
Analysis Group: Cations (K,Ca,Mg,Na,Al); P (BSSES); P (Olsen); pH, EC, chloride, nitrate-N, ammonium-N

## Contact Us:

Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

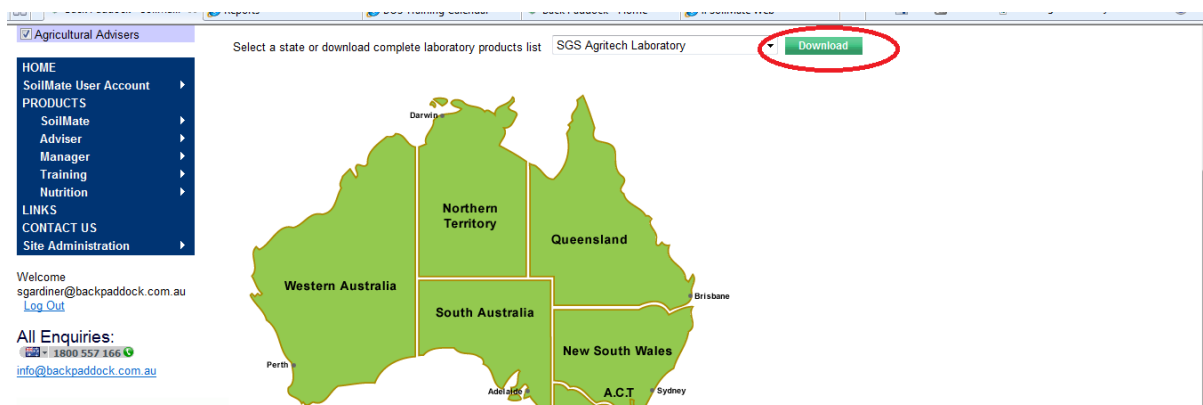
If complete laboratory product lists are required click on the arrow to select a laboratory



Select a laboratory from the drop down screen.



Click on the download button.



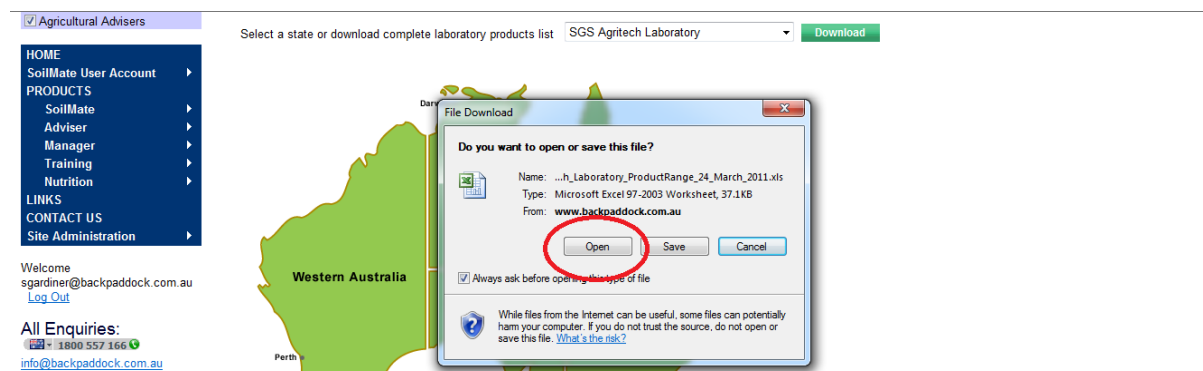
### Contact Us:

Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

Click on open to see file.



Spreadsheet of laboratory tests with analytes coloured in and prices will appear.

ANALYTE	SGS Core Surface 2	SGS Core Surface 3 + PBI	Sugar minus Nitrate and Chlorine
<b>BPC Product Code</b>	SG-SAS-02	SG-SAS-04	SG-SAS-07
%H <sub>2</sub> O (Soil)			
Aluminium (KCl) (15G1) meq/100g			
Ammonium nitrogen (KCl) (7C2a_b) mg/kg			
Boron (hot CaCl <sub>2</sub> ) (12C1_2) (mg/kg)			
Calcium (Amm-acet.) (15D3) meq/100g			
Calcium Carbonate (19A_B) %			
Chloride (1:5 H <sub>2</sub> O) (5A1_4) mg/kg			
Copper (DTPA) (12A1) mg/kg			
Dispersion Index (Loveday/Pyle)			
EC (1:5 H <sub>2</sub> O) (3A1) dS/m			
ECEC (15J1) meq/100g			
Iron (DTPA) (12A1) mg/kg			
Magnesium (Amm-acet.) (15D3) meq/100g			
Manganese (DTPA) (12A1) mg/kg			
Nitrate nitrogen (KCl) (7C2a_b) mg/kg			
Organic carbon (Walkley Black) (6A1) (%)			
pH (1:5 CaCl <sub>2</sub> ) (4B2)			
pH (1:5 H <sub>2</sub> O) (4A1)			
Phosphorus (BSES) (9G1_2) mg/kg			

Hover your mouse over SoilMate User Account to display its menu. Now click on the Laboratory Prices option.

### Contact Us:

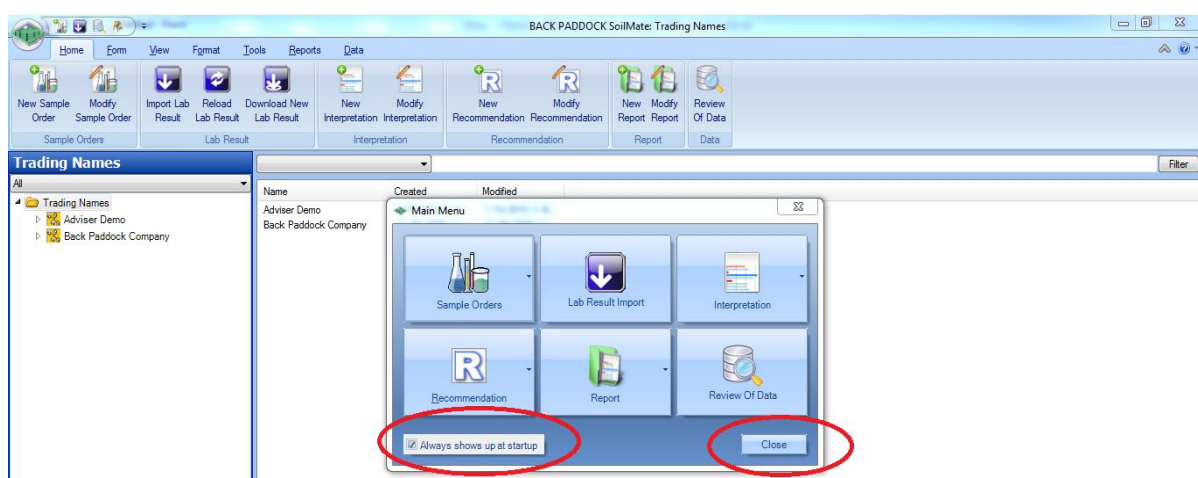
Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Creating Recommendations from the Quick Screen

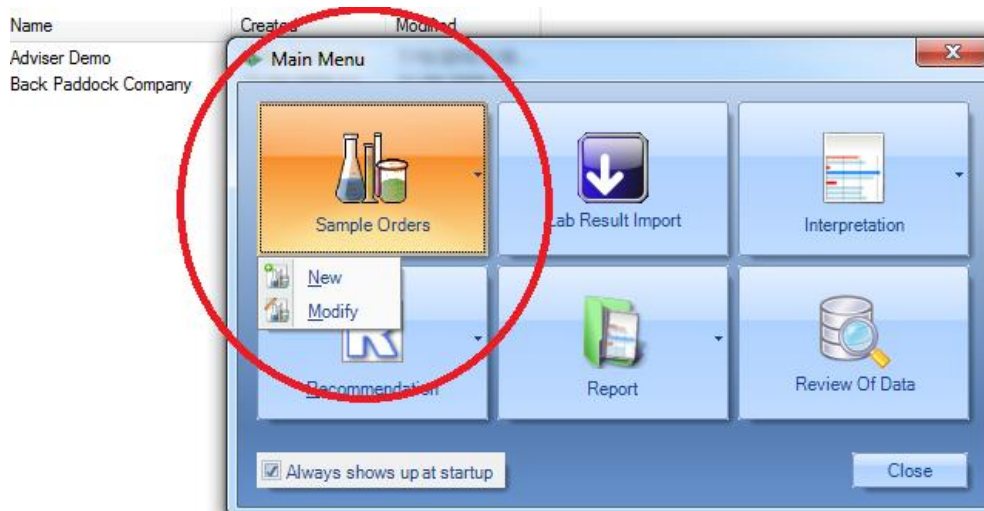
When SoilMate is opened a quick screen appears. This screen has been **developed for users who only use the program for a few weeks of the year and have forgotten how to use SoilMate**. When using the screen it has been **assumed that basic information has already been inputted**. The screen can be closed if not required or ticked so as not to appear.



The quick screen allows the user to create a recommendation step by step by following and clicking on the buttons.

### 1. Sample Order Button

This allows the user to create or modify a sample order.



### Contact Us:

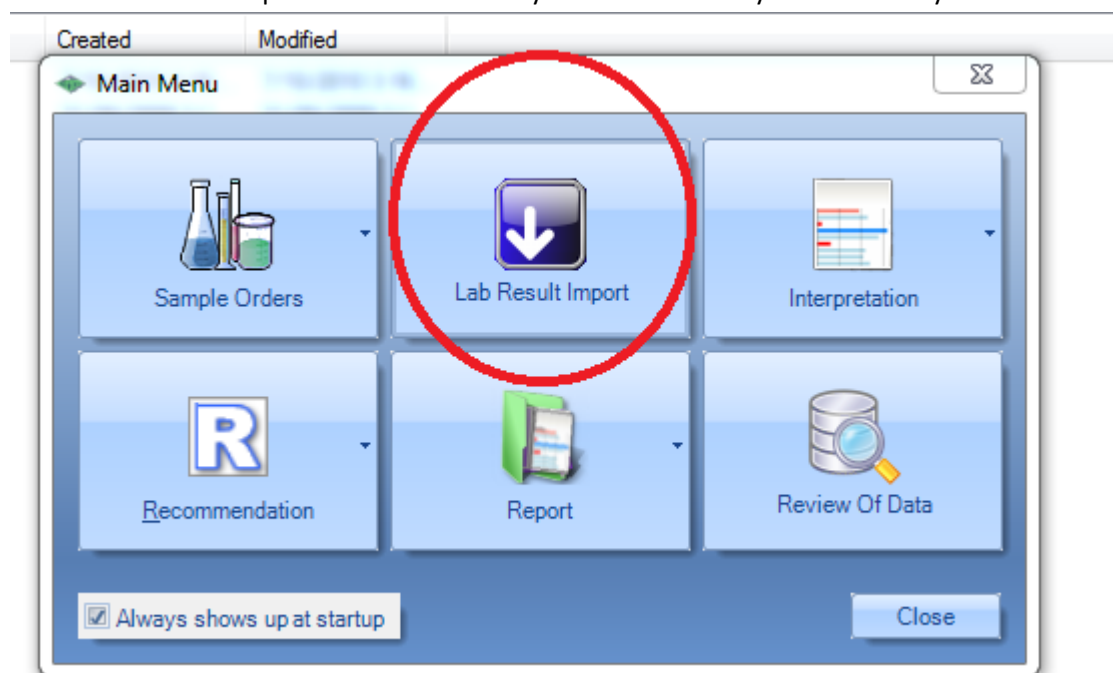
**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

## 2. Lab Test Result Import button

Allows the user to import lab tests after they have been sent by the laboratory



## Inputting Basic Information

Before sending samples to the laboratory it is a good idea to input basic information, such as **Trading Names**, **Farm Names** and **Paddock Names**.

When logged into **SoilMate** click on the **Trading Names** tab as circled in red below.

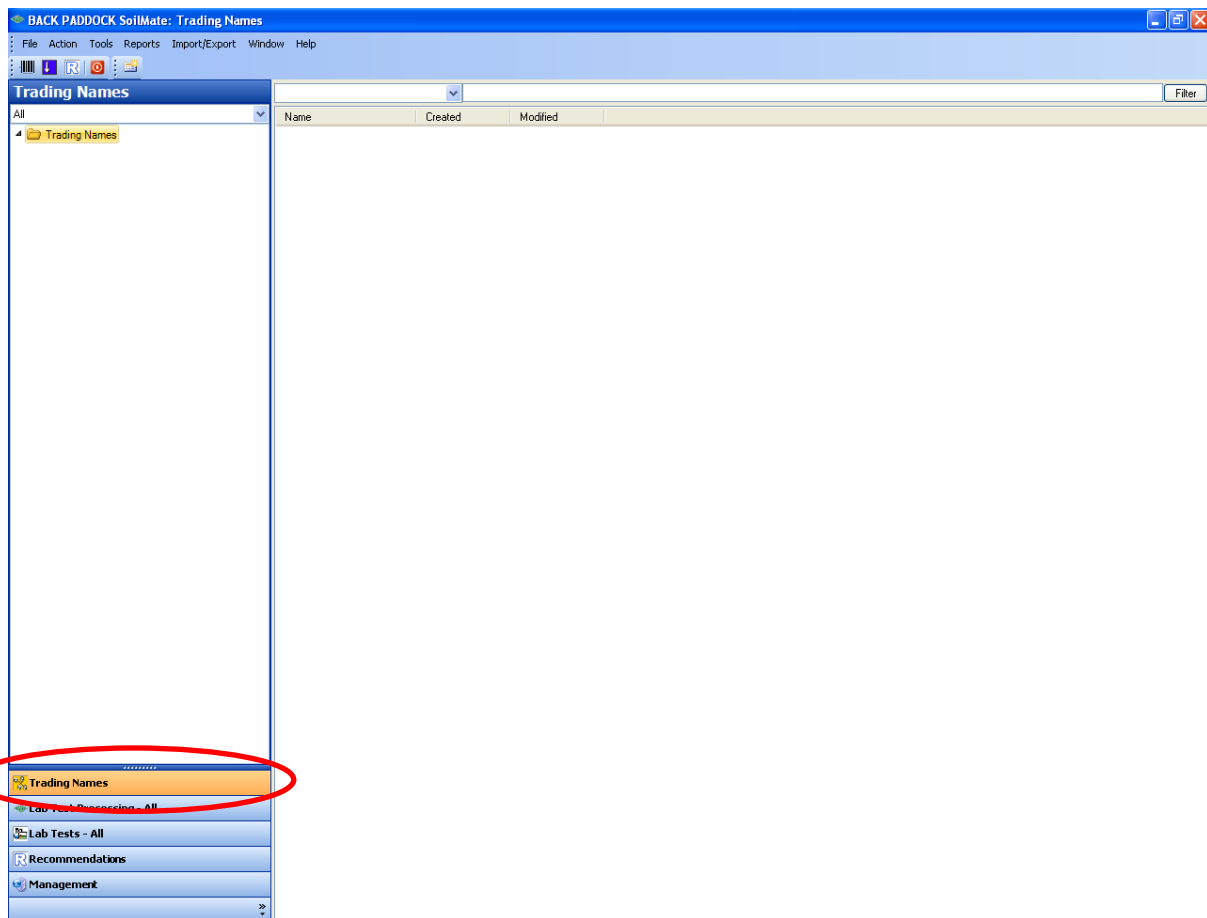
### Contact Us:

**Freecall Helpdesk:** 1800 557 166

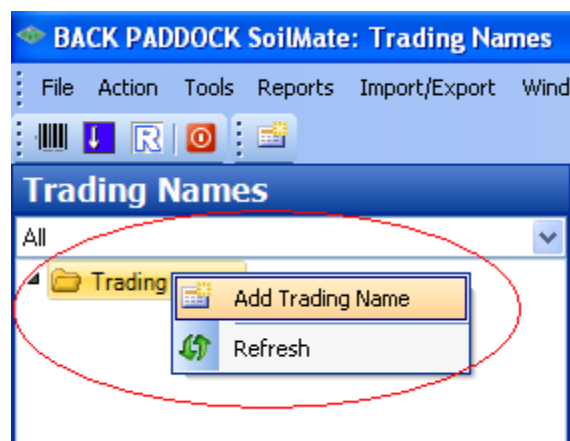
Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)





Right mouse click on the **Trading Names** folder and click the **Add Trading Name** button as shown below.



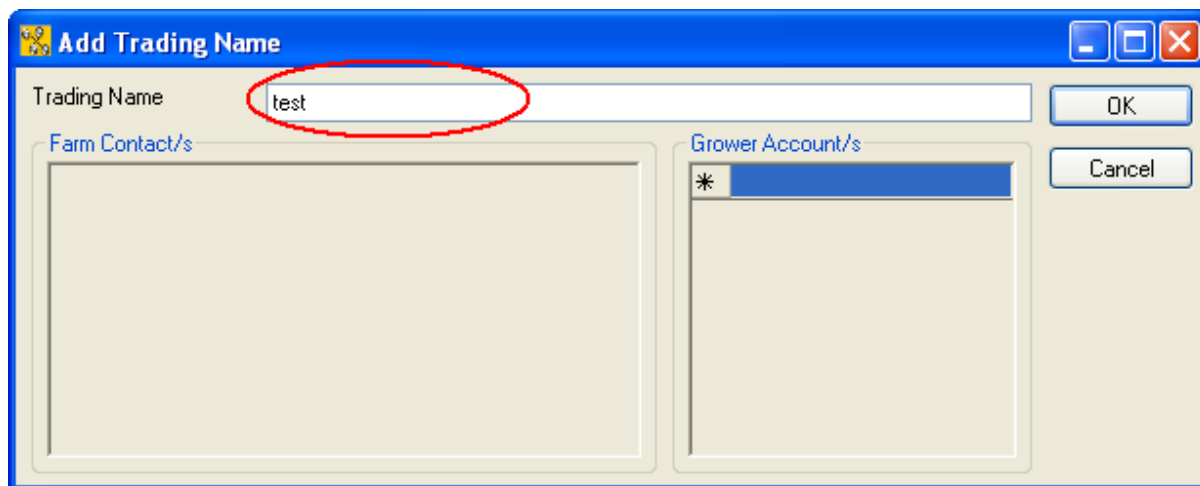
### Contact Us:

**Freecall Helpdesk:** 1800 557 166

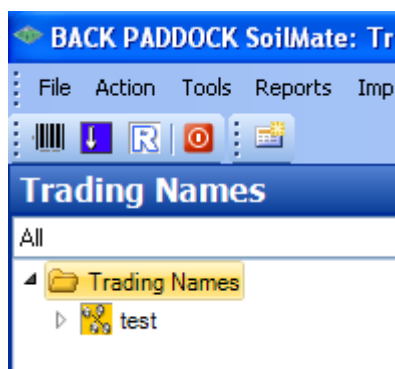
Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

Enter the name of the **Trading Name** and click **OK**. See below.



Click the ▲ button next to the **Trading Names** folder to **expand** it. The newly added **Trading Name (test)** will appear as shown below.



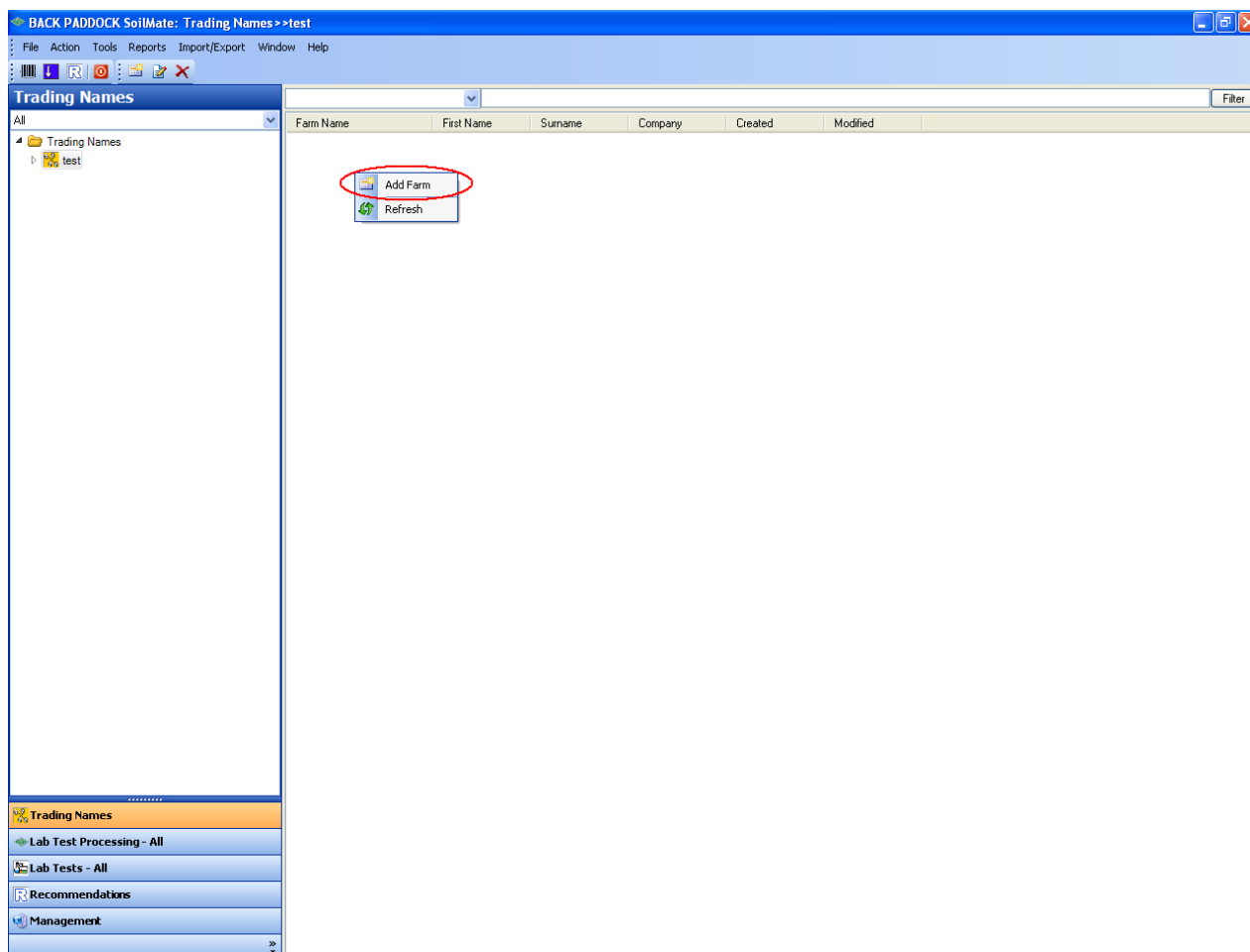
#### **Contact Us:**

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

Click on the **Trading Name (test)** to highlight it. Now **right mouse click** in the **empty space to the right** as shown below. The **Add Farm** button will appear, click this button to add farm details.



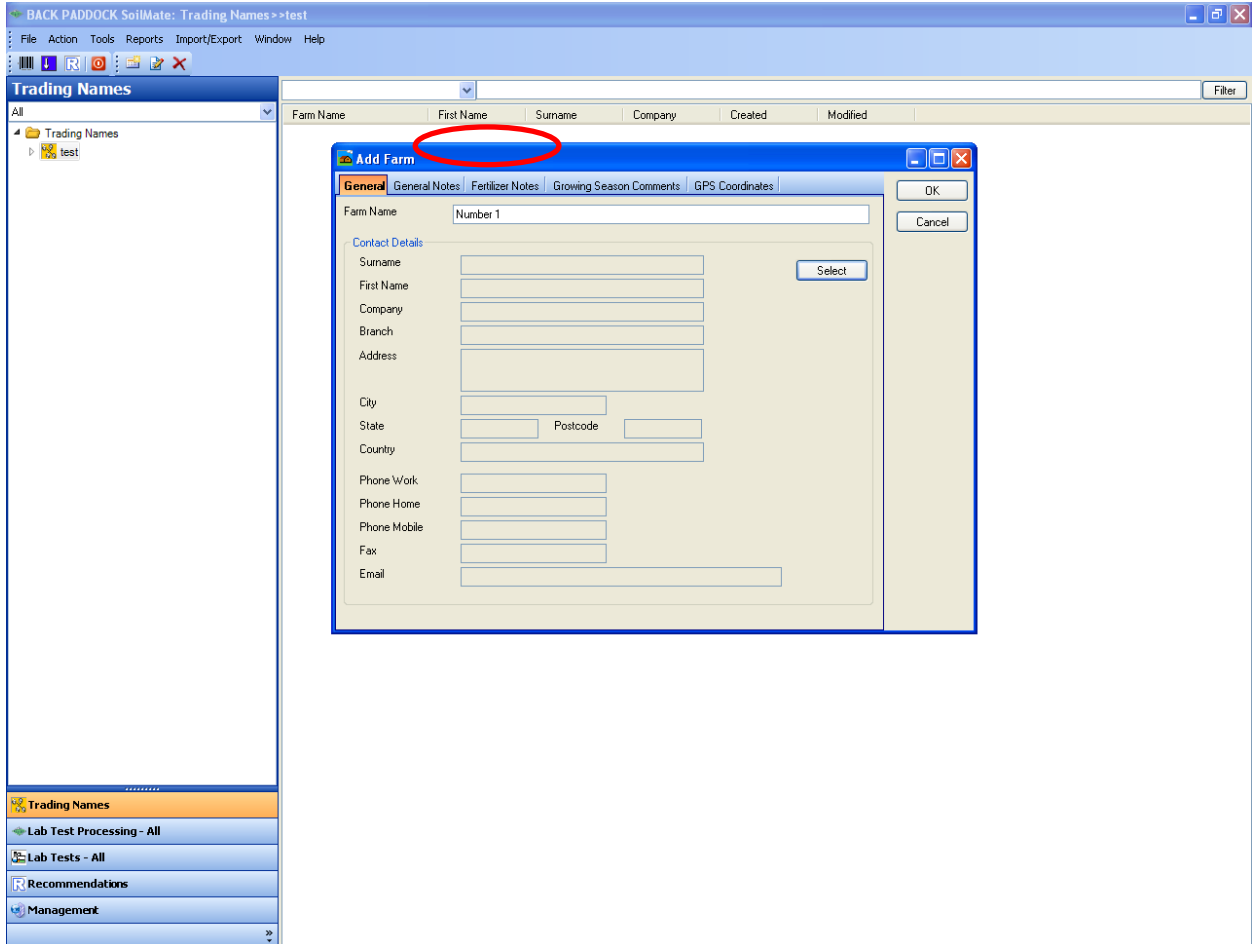
### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

After clicking the **Add Farm** button the **Add Farm window** appears as shown below. Enter the **Farm Name**. In the below image we have entered the **Farm Name (Number 1)**.



The screenshot displays the 'BACK PADDOCK SoilMate: Trading Names >>test' application window. On the left is a sidebar with a tree view containing 'Trading Names' (with a sub-item 'test') and a bottom menu with 'Trading Names', 'Lab Test Processing - All', 'Lab Tests - All', 'Recommendations', and 'Management'. The main area shows a table with columns: Farm Name, First Name, Surname, Company, Created, and Modified. A red circle highlights the 'Add Farm' button above the table. An 'Add Farm' dialog box is open, showing the 'General' tab. The 'Farm Name' field is filled with 'Number 1'. Below it, under 'Contact Details', are input fields for Surname, First Name, Company, Branch, Address, City, State, Postcode, Country, Phone Work, Phone Home, Phone Mobile, Fax, and Email. A 'Select' button is next to the Surname field. 'OK' and 'Cancel' buttons are at the top right of the dialog.

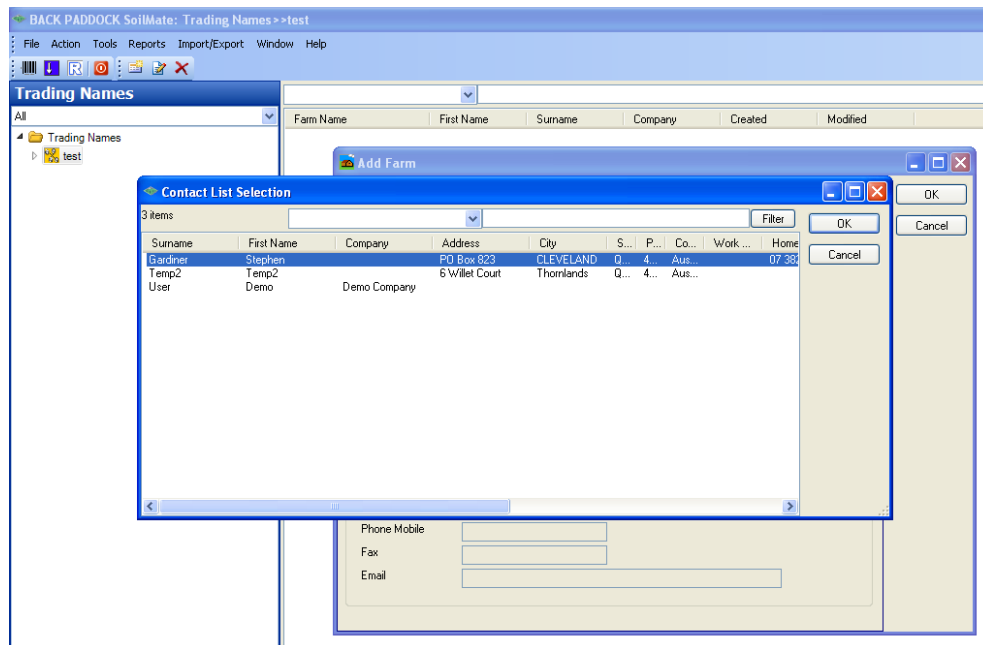
### **Contact Us:**

**Freecall Helpdesk:** 1800 557 166

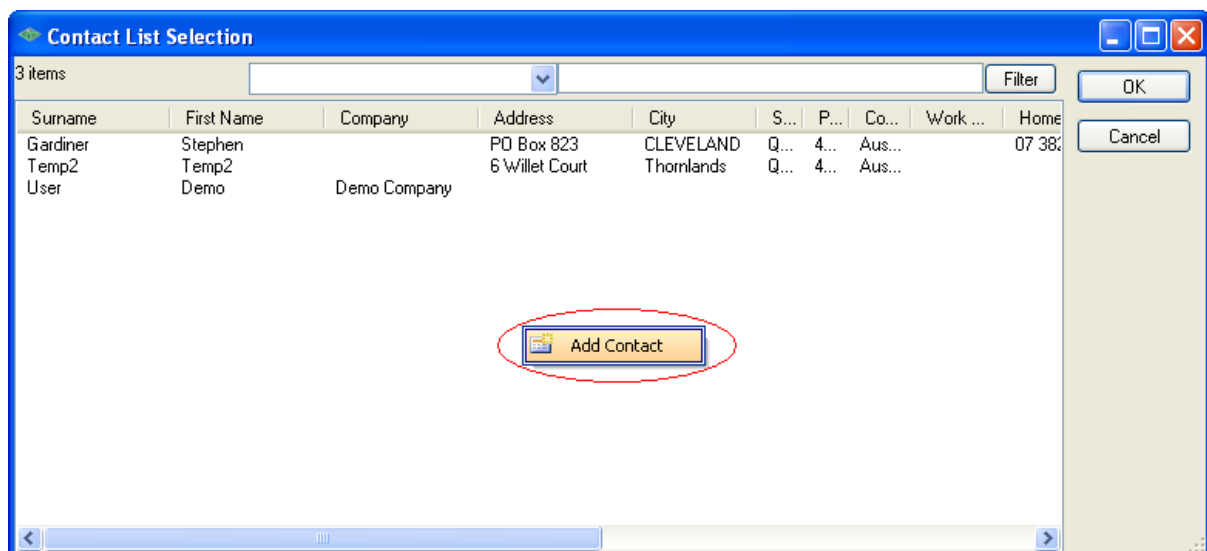
Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

Now click the **Select** button to **add** or **select contact details**. The **Contact List Selection** window will appear as shown below.



For **existing contact details** select the **contact name** and click the **OK** button. For **new contact details** right mouse click in the **empty white space** and click the **Add Contact** button as shown below.



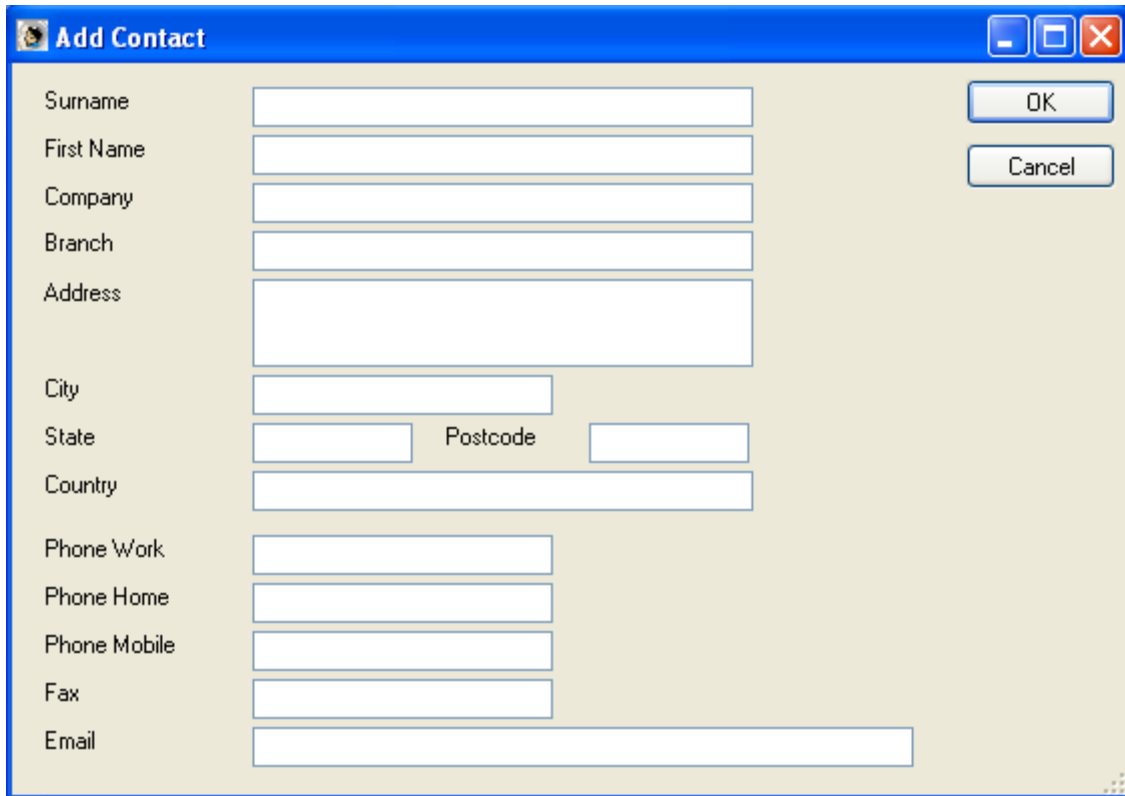
### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

The **Add Contact window** will appear as shown below. **Populate desired fields** and click the **OK** button.



Surname	<input type="text"/>		
First Name	<input type="text"/>		
Company	<input type="text"/>		
Branch	<input type="text"/>		
Address	<input type="text"/>		
City	<input type="text"/>		
State	<input type="text"/>	Postcode	<input type="text"/>
Country	<input type="text"/>		
Phone Work	<input type="text"/>		
Phone Home	<input type="text"/>		
Phone Mobile	<input type="text"/>		
Fax	<input type="text"/>		
Email	<input type="text"/>		

Now **select the newly created contact name** from the list and click the **OK** button.

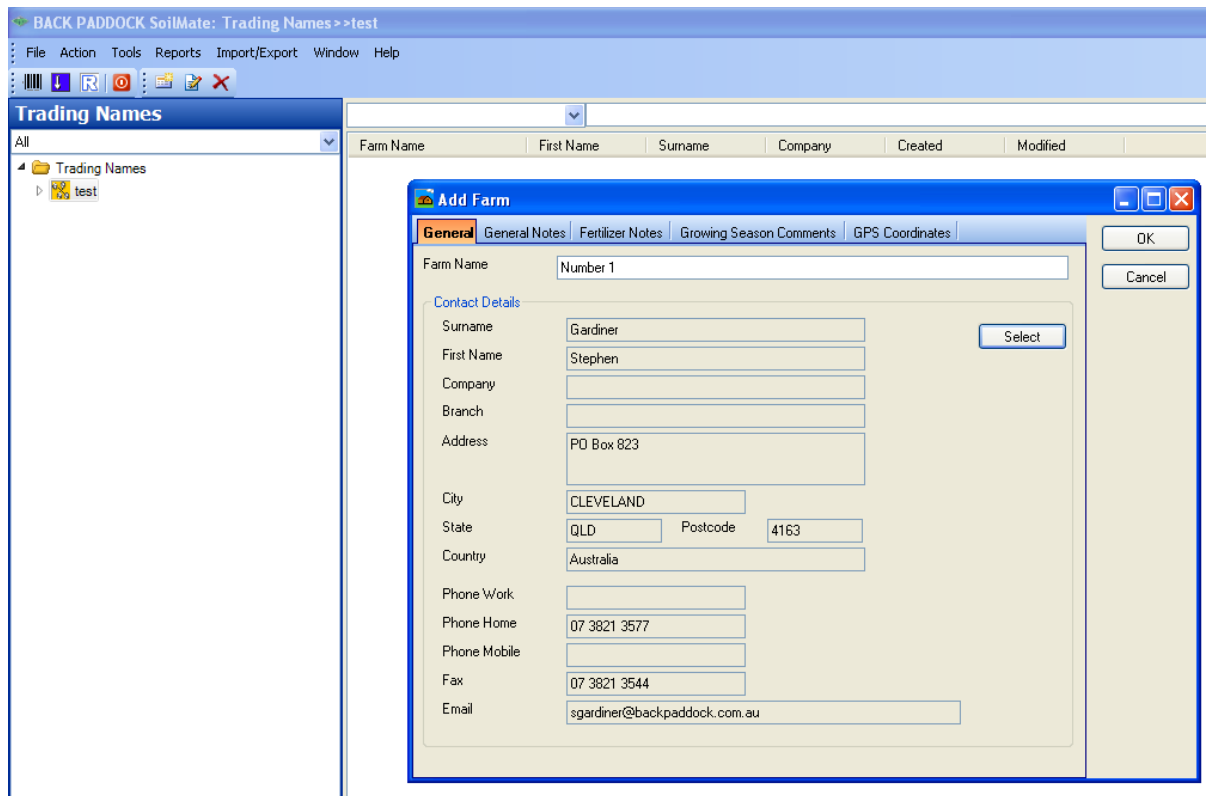
**Contact Us:**

**Freecall Helpdesk:** 1800 557 166

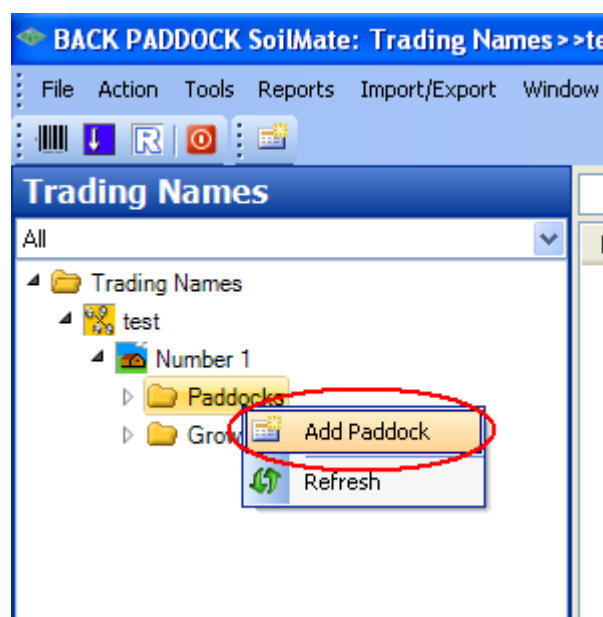
Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

The **Contact Details** will now appear as shown below, click the **OK** button to **complete adding the Farm**.



After adding the **farm name**, **expand the tree view to the Paddocks' folder** and **right click on the Paddocks' folder** to display the **Add Paddock** button.



Click the **Add Paddock** button to **enter a paddock name**.

### Contact Us:

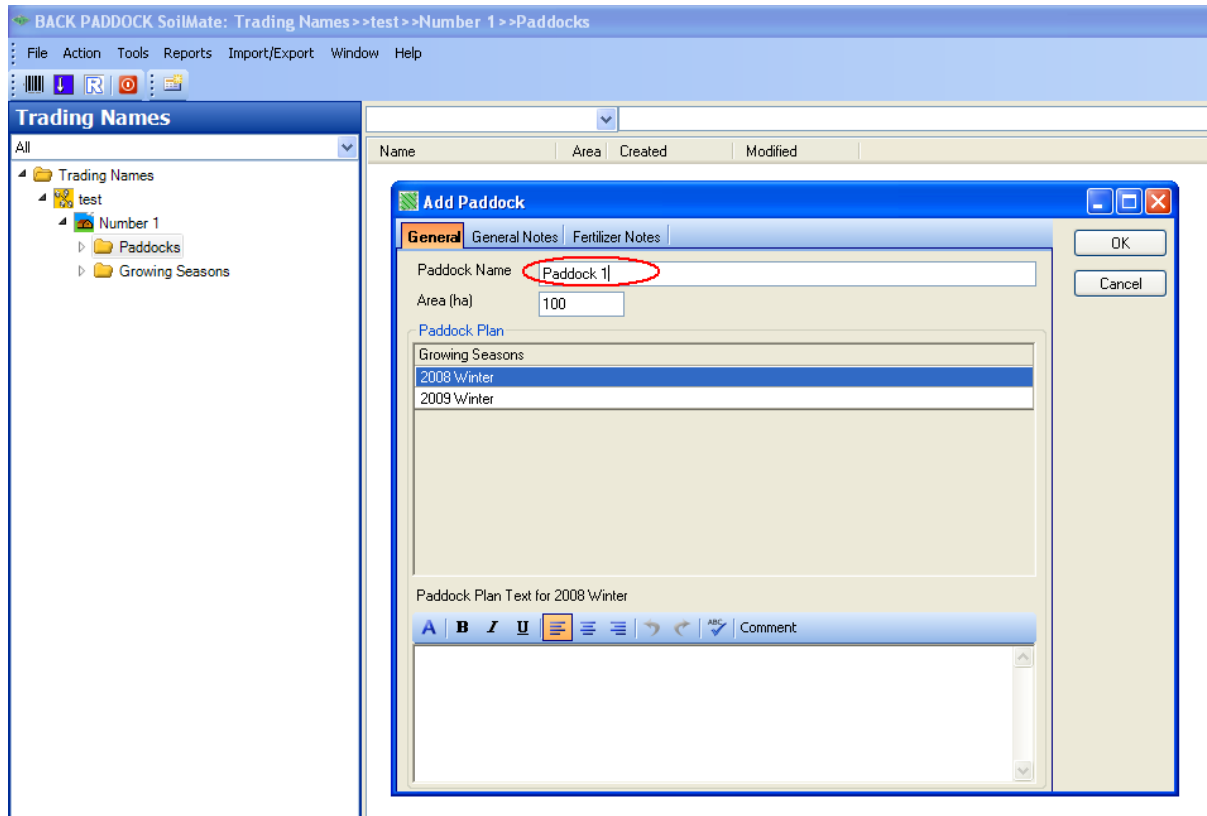
**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

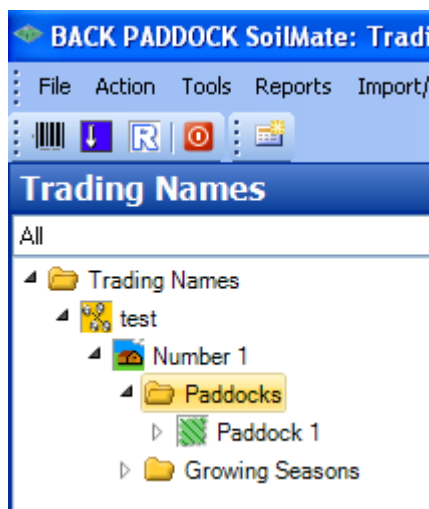


The **Add Paddock** window will be displayed as shown below. Enter the **Paddock Name**, **Area** and select the **Growing Season**.



Now click **OK**.

The newly added **Paddock (Paddock 1)** will now appear in the **tree view** when the **Paddocks** folder is **expanded**.



### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)


## Sample Order Form

### Hand-written copy

The **SOF Form** can be obtained from the **Tools Menu** in the **SoilMate application**.



See below for an example of a blank **SOF Form**. This form accompanies the sample/s to the lab.



**SAMPLE ORDER FORM (SOF)**

---

Trading A/C Name: Back Paddock Company

Company:

Adviser Name:

Adviser Email:

Mark with "X"

☐ CSBP Laboratory - 2 Altona Street, Bibra Lake, WA 6163  
☐ Insitec Pivot Laboratory - 8 South Road, Werribee, Vic 3030 - Customer: 69966  
☐ SGS - Toowoomba - 214 McDougall Street Toowoomba QLD 4350

Branch:

Adviser Contact No.:

Sample Bar Code				
Purchase Order No				
Sampling Date				
NMS Product Code	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Farm Name at Postcode	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

### Contact Us:

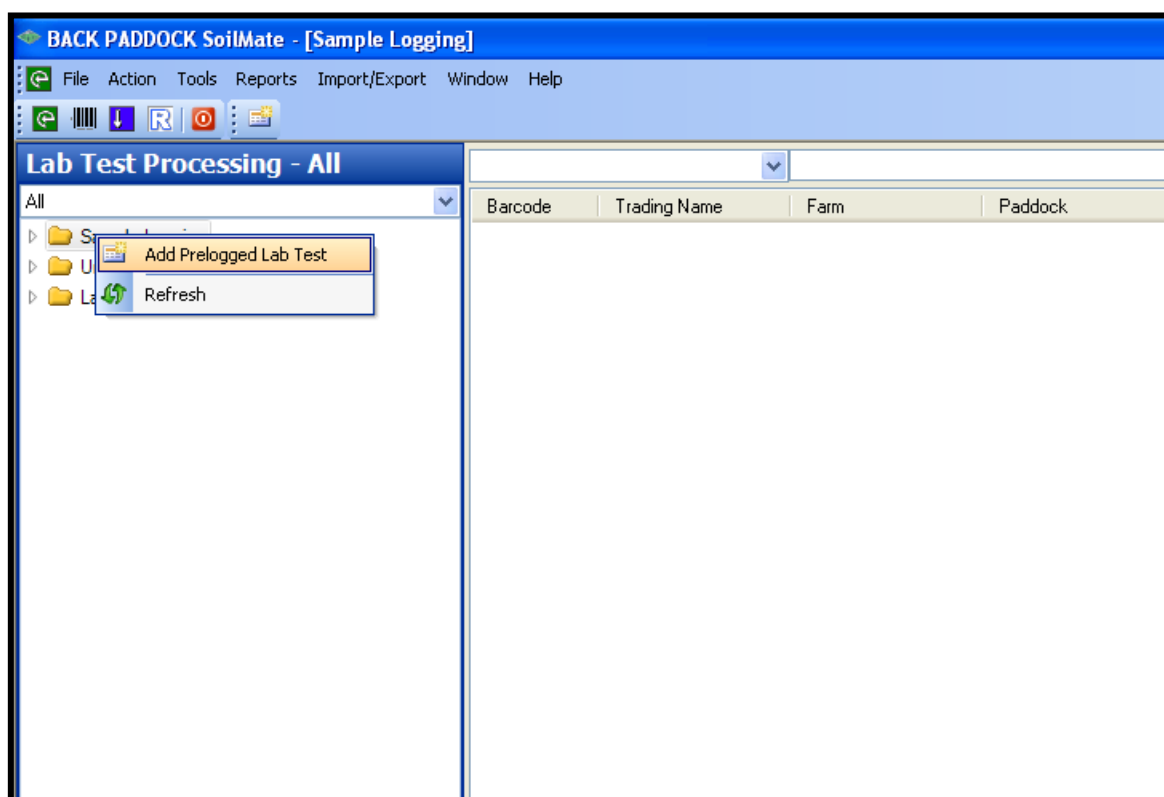
**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

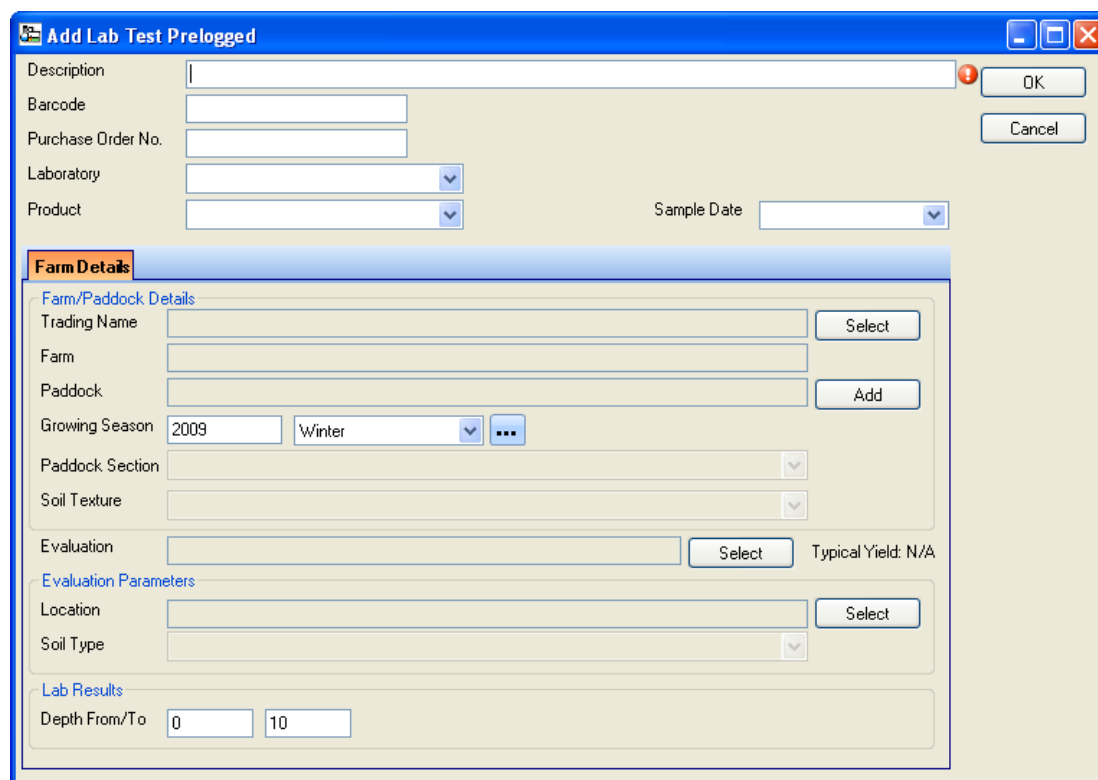
**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Electronic copy

Click on the **Lab Test Processing – All** tab and then **right mouse click** on the **Sample Logging** folder at the top of screen, now **select Add Pre-Logged Lab Test** from the popup menu.



The **Add Lab Test Prelogged** window will now appear as shown below.



**Add Lab Test Prelogged**

Description:

Barcode:

Purchase Order No.:

Laboratory:

Product:

Sample Date:

**Farm Details**

**Farm/Paddock Details**

Trading Name:

Farm:

Paddock:

Growing Season:

Paddock Section:

Soil Texture:

Evaluation:   Typical Yield: N/A

**Evaluation Parameters**

Location:

Soil Type:

**Lab Results**

Depth From/To:

## Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

Give a **Description** to suit the paddock or reason for sampling, enter the **exact barcode number** that corresponds to a **barcode** on the **barcode label sheet** you have **printed**. See **printing barcode labels (page 8)** for details on **printing barcode labels**. Enter a **Purchase Order No.**, select the **Laboratory** to analyse the sample and select the **Product** to be used for the analysis. Details on **Product codes** can be obtained on the [www.backpaddock.com.au](http://www.backpaddock.com.au) website. See **page 10** for details. Populate the **Sample Date** by selecting it from the **calendar**.

You must now fill in the **Trading Name**, **Farm** and **Paddock** before **pre-logging can be completed** and the **SOF is ready to be generated**.

### Adding a new Trading Name, Farm or Paddock



**Farm/Paddock Details**

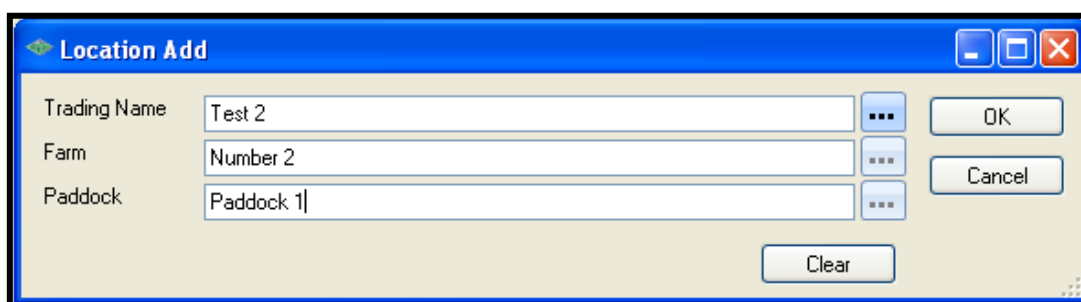
Trading Name  Select

Farm

Paddock  Add

Growing Season   ...

If it is a new **Trading Name**, **Farm** and **Paddock** select the **Add** button to display the **Location Add window** as shown below.



**Location Add**

Trading Name  ... OK

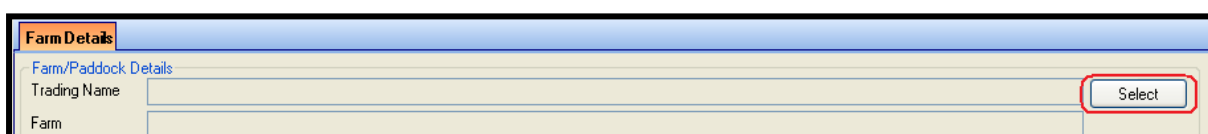
Farm  ... Cancel

Paddock  ...

Clear

Populate the **Trading Name**, **Farm** and **Paddock** text boxes then click **OK**.

**Trading Name**, **Farm** and **Paddock** should only be added **once**. For second and subsequent entries use the **select** button.



**Farm/Paddock Details**

Trading Name  Select


Farm

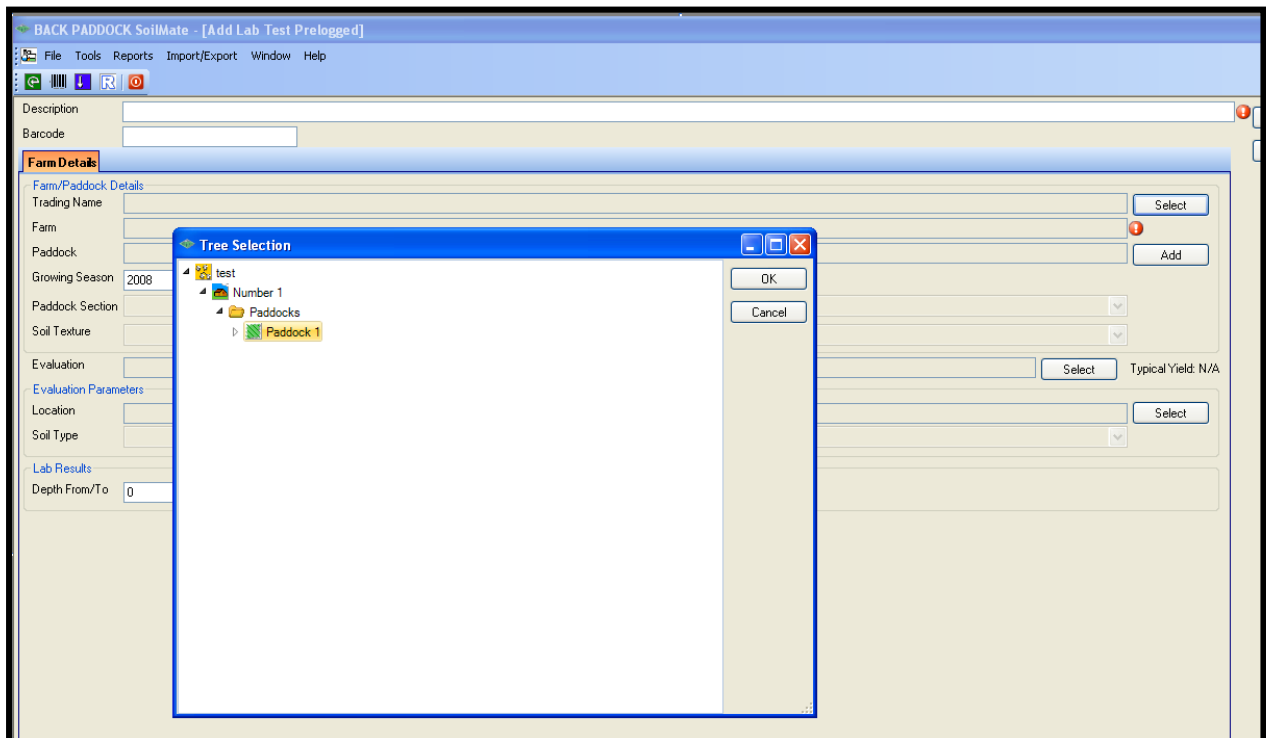
### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

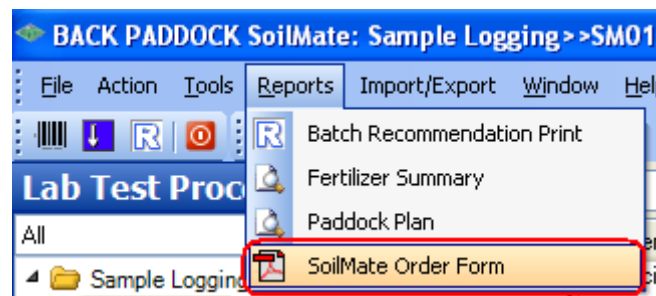
If **Trading Name, Farm and Paddock** are already in the system, click the **Select** button and expand the **navigation tree** (Note: To expand the **navigation tree** simply click the  symbol located to the left of any item on the tree view). Navigate to the **appropriate Paddock**, select the **Paddock** and click **OK**.



Assuming there are no **associated samples attached to this barcode** you have entered the **minimum required information** for **generating the electronic SOF form**, click the **OK** button to **finish pre-logging**. If you have **associated samples (e.g. 10-30cm)**, see the **Evaluation** section of pre-logging, **page 30**.

Even though you have entered the **minimum required information** for **generating the electronic SOF form** it is **recommended** that you **fill in all details on the pre-logging screen** as the **more you do at this stage the less you will need to do when the sample results are available**, for a **comprehensive guide to pre-logging** see **page 27**.

You may now **generate the electronic SOF form** which **will be ready to be sent to your selected Laboratory**. To do this **click on the Reports menu** and **click the SoilMate Order Form button**.



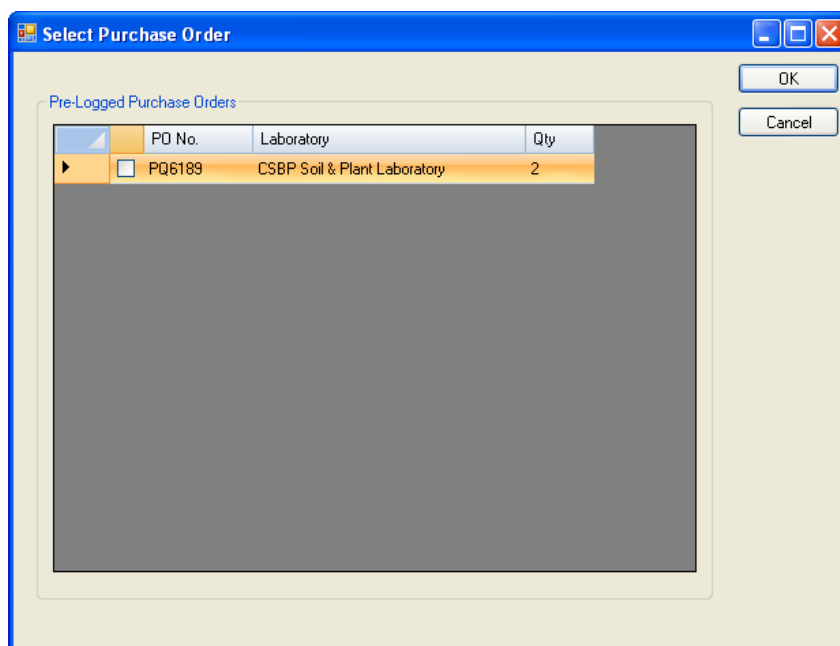
### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

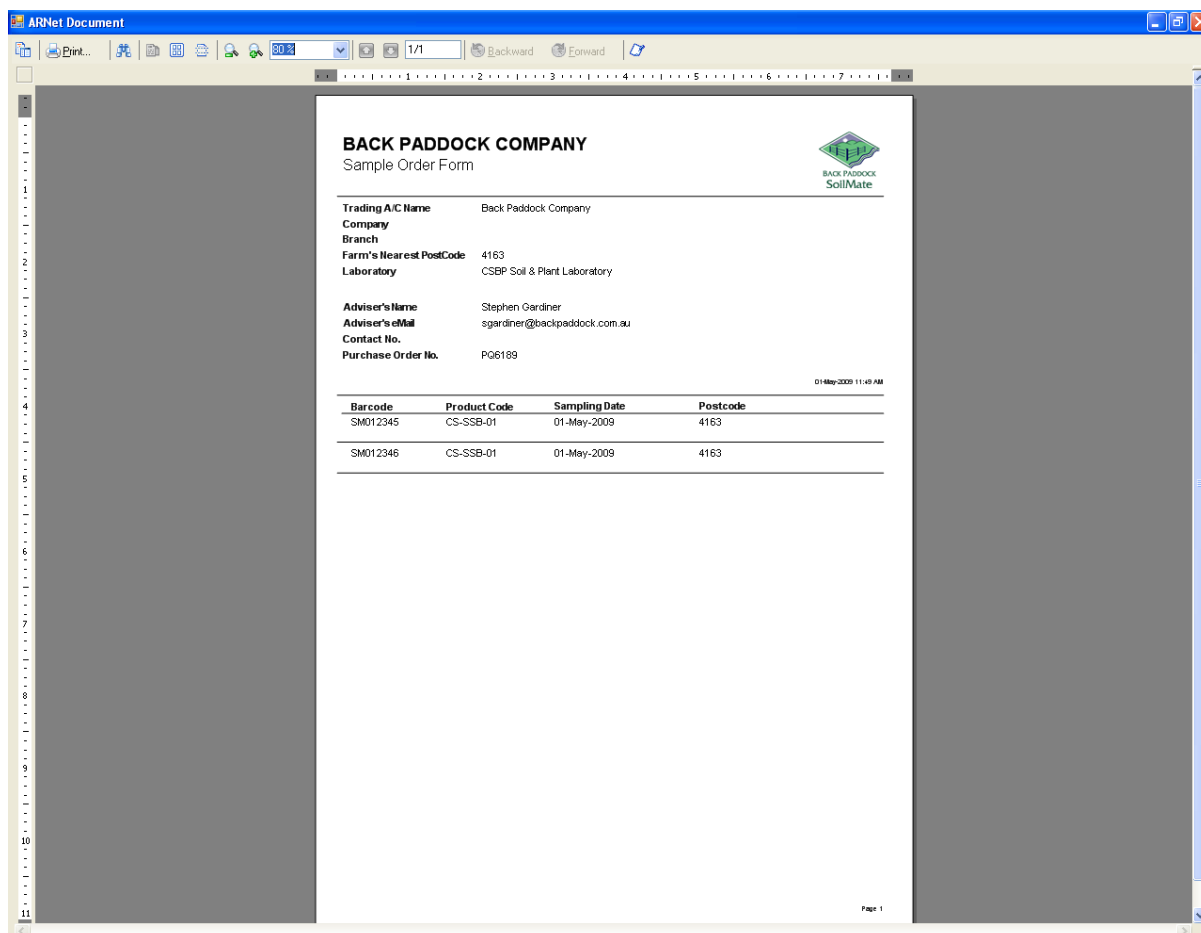
The **Select Purchase Order** window will be displayed as shown below.



PO No.	Laboratory	Qty
PQ6189	CSBP Soil & Plant Laboratory	2

Check the box next to the **Purchase Order Number/s** that you want to include in your **SOF form** then click the **OK** button.

The **SOF form** will now be **generated** and **ready for printing** to send to the **Laboratory**.



**BACK PADDOCK COMPANY**  
Sample Order Form

Trading A/C Name: Back Paddock Company  
Company: Back Paddock Company  
Branch: 4163  
Farm's Nearest PostCode: 4163  
Laboratory: CSBP Soil & Plant Laboratory

Adviser's Name: Stephen Gardiner  
Adviser's eMail: sgardiner@backpaddock.com.au  
Contact No.:  
Purchase Order No.: PQ6189

01-May-2009 11:45 AM

Barcode	Product Code	Sampling Date	Postcode
SM012345	CS-SSB-01	01-May-2009	4163
SM012346	CS-SSB-01	01-May-2009	4163

Page 1

### Contact Us:

**Freecall Helpdesk:** 1800 557 166

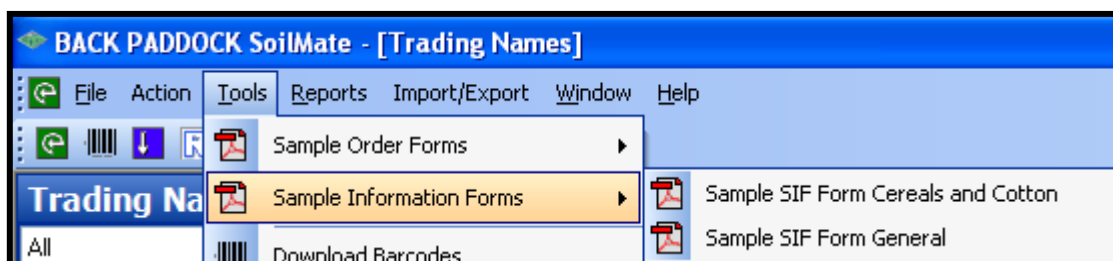
Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)


## Sample Information Form

### Hand-written copy

The **SIF Form** can be obtained from the **Tools Menu** in the **SoilMate** application. This form is used to record data to be logged into **SoilMate**, it links the barcode to the grower/paddock details.



See below for a blank **SIF Form**.



**SAMPLE INFORMATION FORM - GENERAL (SIF)**

Trading A/C Name: Back Paddock Company

☐  
☐  
☐

CSBP Laboratory - 2 Altona Street, ~~Bibra~~ Lake, WA 6163

Indec Pivot Laboratory - 8 South Road, Werribee, Vic 3030 - Customer: 69966

SGS - Toowoomba - 214 McDougall Street Toowoomba QLD 4350

Mark with "X"

Company and Branch (Type Here):

Adviser Name (Type Here):

Adviser Email (Type Here):

Sample Bar Code				
Purchase Order No				
NM S Product Code				
Sampling Date				

**Identification and Evaluation Data**

Farmer's Trading Name			
Farm Name			
Paddock Name			
Paddock Area			
Paddock Section Name			
Sample Depth From (cm)			
Sample Depth To (cm)			
Crop/Pasture			

### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

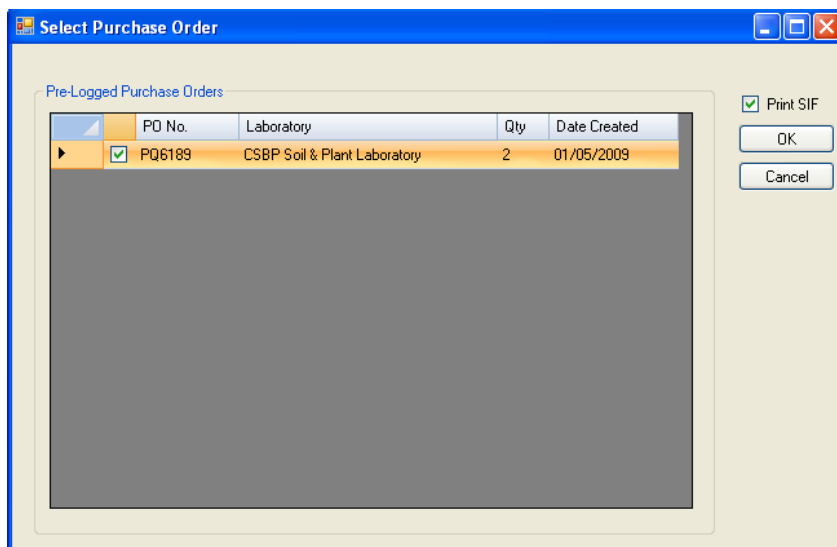
**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)



## Electronic copy

To print the electronic SIF form, click on the **Reports** menu and click the **SoilMate Order Form** button.

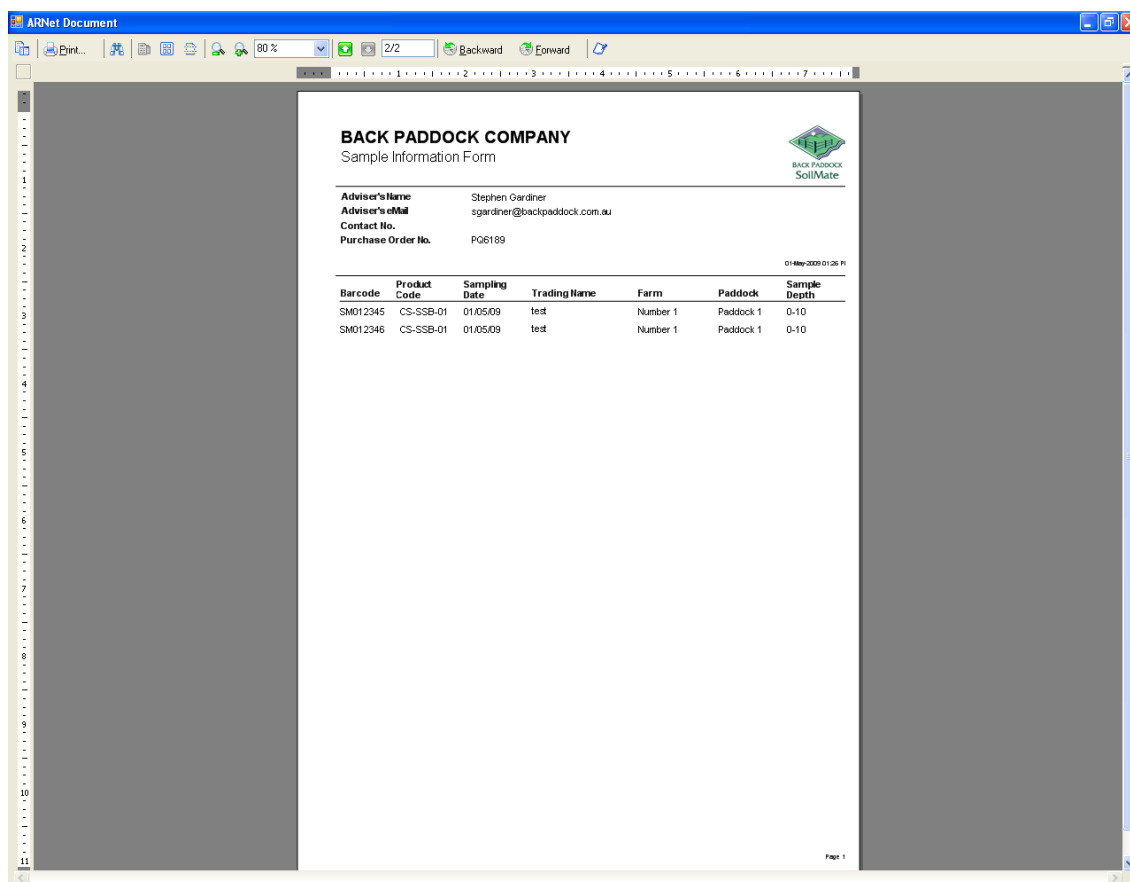
The **Select Purchase Order** window will be displayed as shown below.



PO No.	Laboratory	Qty	Date Created
PQ6189	CSBP Soil & Plant Laboratory	2	01/05/2009

Check the box next to the **Purchase Order Number/s** that you want to include in your **SIF form** then check the **Print SIF** box and click the **OK** button.

The **SIF form** will now be generated and ready for printing for your records. **Note: The SIF form may be on page 2, to change page use the green arrow** .



**BACK PADDOCK COMPANY**  
Sample Information Form

Adviser's Name: Stephen Gardiner  
Adviser's Email: sgardiner@backpaddock.com.au  
Contact No.:  
Purchase Order No.: PQ6189

01-May-2009 01:26 PM

Barcode	Product Code	Sampling Date	Trading Name	Farm	Paddock	Sample Depth
SM012345	CS-SSB-01	01/05/09	test	Number 1	Paddock 1	0-10
SM012346	CS-SSB-01	01/05/09	test	Number 1	Paddock 1	0-10

Page 1

## Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

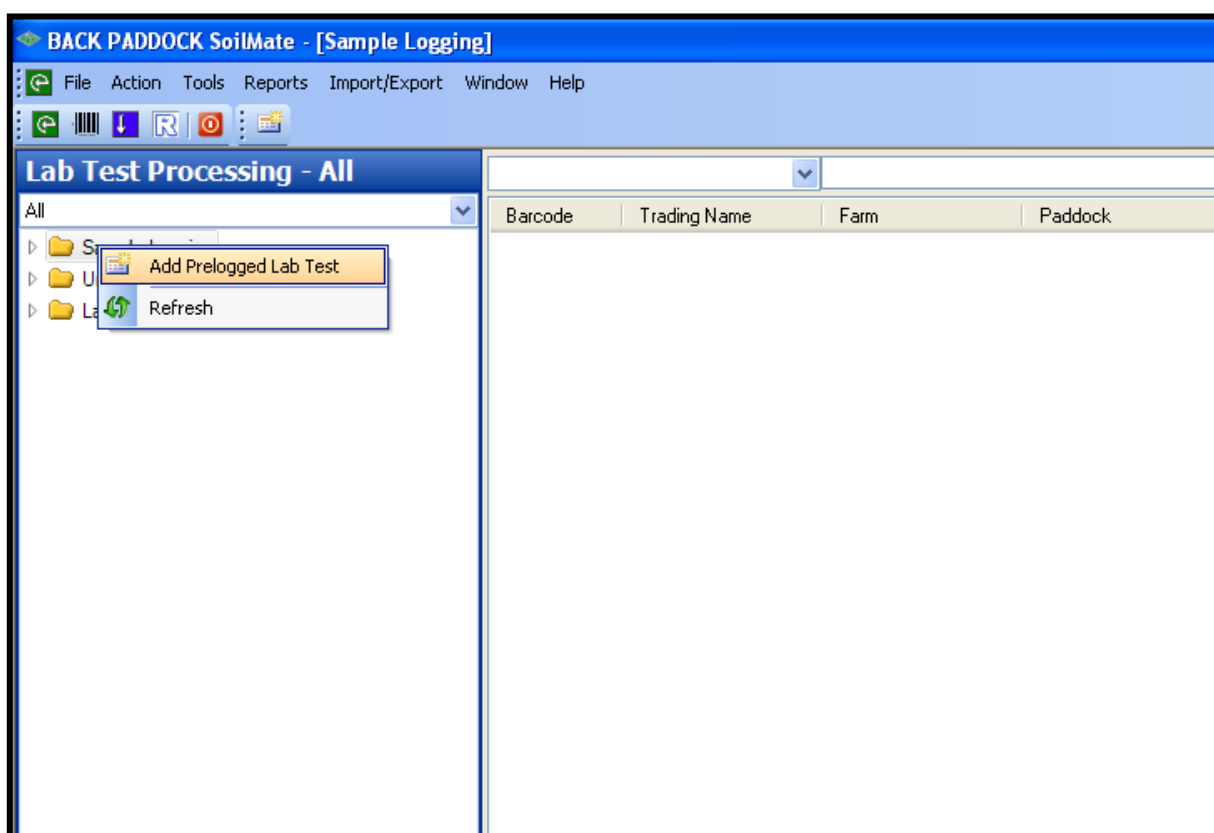
## Pre-Logging Data

It is highly recommended that adviser's pre-log sample details at the time of sampling or at least before the lab results are received. Why? – When you import your lab tests the barcodes will match up with the pre-logged data and connect the results to this pre-logged information. By doing this the sample will be ready for the evaluation / recommendation process.

There are two ways in which you can pre-log data.

1. While on the **Electronic SOF form**, see page 21 for details
2. Follow the steps below.

Click on the **Lab Test Processing – All** tab and then **right mouse click** on the **Sample Logging** folder at the top of screen, now **select Add Pre-Logged Lab Test** from the popup menu.



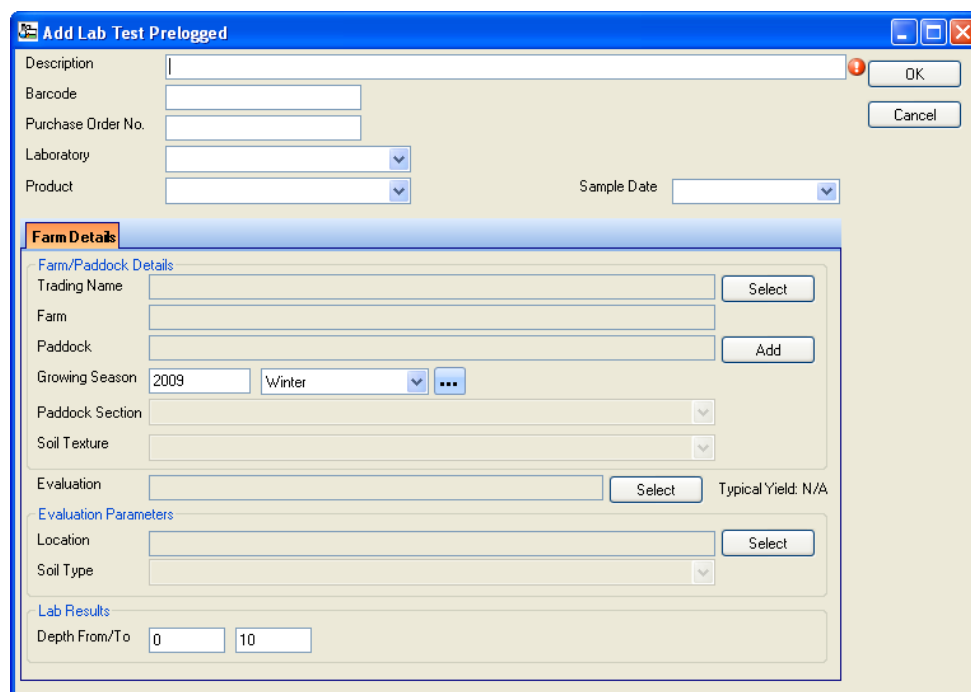
### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

The **Add Lab Test Prelogged** window will now appear as shown below.



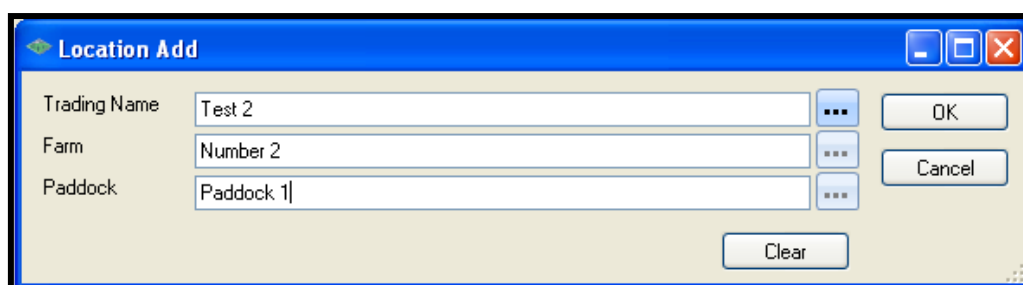
Give a **Description** to suit the paddock or reason for sampling, enter the **exact barcode number** that corresponds to a **barcode** on the **barcode label sheet** you have **printed**. See **printing barcode labels** (page 8) for details on **printing barcode labels**. Enter a **Purchase Order No.**, select the **Laboratory** to analyse the sample and select the **Product** to be used for the analysis. Details on **Product codes** can be obtained on the [www.backpaddock.com.au](http://www.backpaddock.com.au) website. See page 10 for details. Populate the **Sample Date** by selecting it from the **calendar**.

You must now fill in the **Trading Name**, **Farm** and **Paddock** before **pre-logging** can be completed. The more you fill in at this stage the less you will need to do when the sample results are available.

### Adding a new Trading Name, Farm or Paddock



If it is a new **Trading Name**, **Farm** and **Paddock** select the **Add** button to display the **Location Add window** as shown below.



### Contact Us:

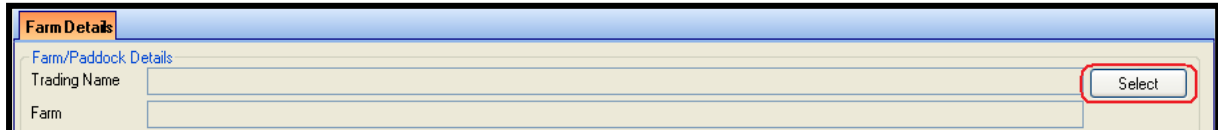
**Freecall Helpdesk:** 1800 557 166


Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

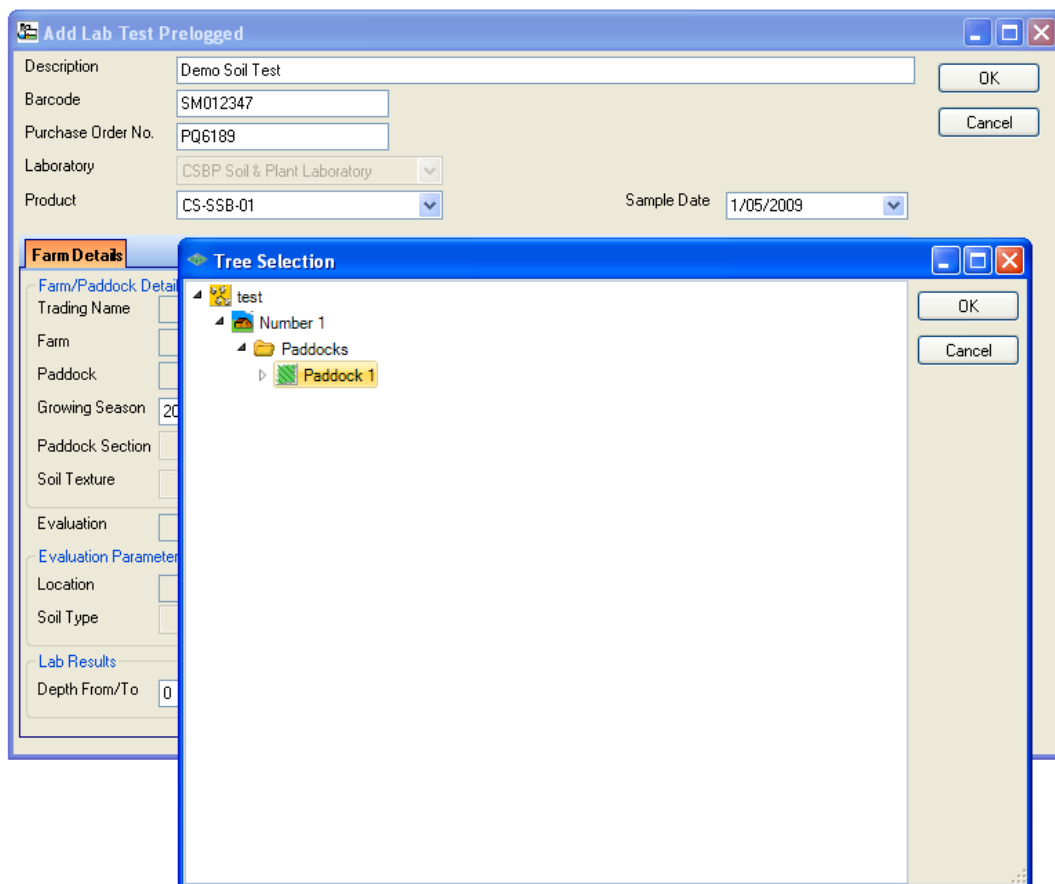
**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

Populate the Trading Name, Farm and Paddock text boxes then click OK.

Trading Name, Farm and Paddock should only be added **once**. For second and subsequent entries use the **select** button.



If Trading Name, Farm and Paddock are already in the system, click the **Select** button and expand the **navigation tree** (Note: To expand the **navigation tree** simply click the  symbol located to the left of any item on the tree view). Navigate to the **appropriate Paddock**, select the **Paddock** and click **OK**.



### Contact Us:

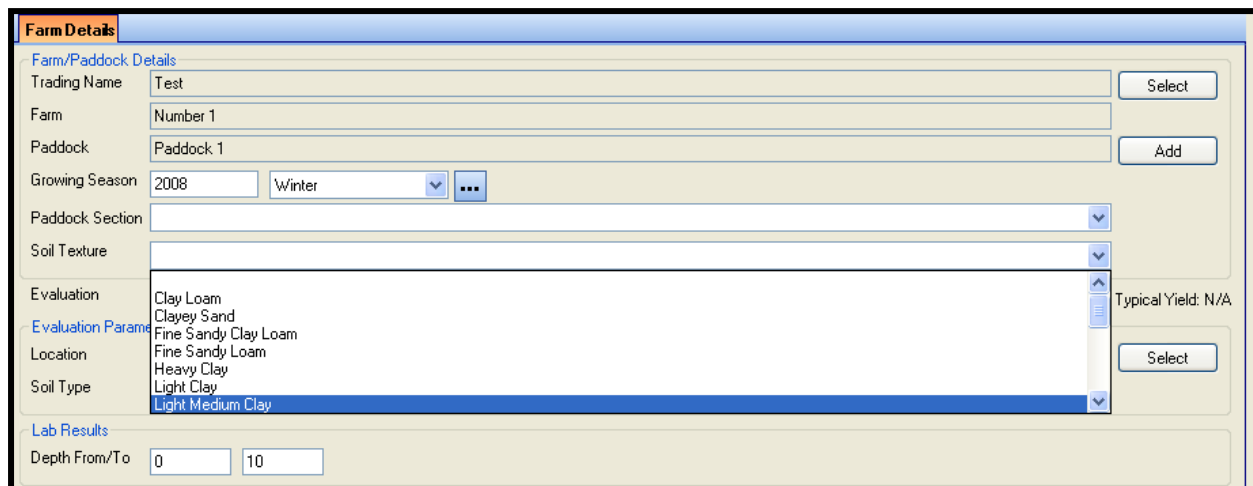
Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Soil Texture

To provide increased accuracy for ECse, for amendment models and to allow calculations based on texture you can **select a texture** based on **your knowledge** during logging-in or in the confirmation step of the **Evaluation** process.



**Farm/Paddock Details**

Trading Name: Test [Select]

Farm: Number 1

Paddock: Paddock 1 [Add]

Growing Season: 2008 Winter ...

Paddock Section: [Dropdown]

Soil Texture: [Dropdown]

Evaluation: Clay Loam, Clayey Sand, Fine Sandy Clay Loam, Fine Sandy Loam, Heavy Clay, Light Clay, Light Medium Clay [Select]

Typical Yield: N/A

**Evaluation Parameters**

Location: [Dropdown]

Soil Type: [Dropdown]

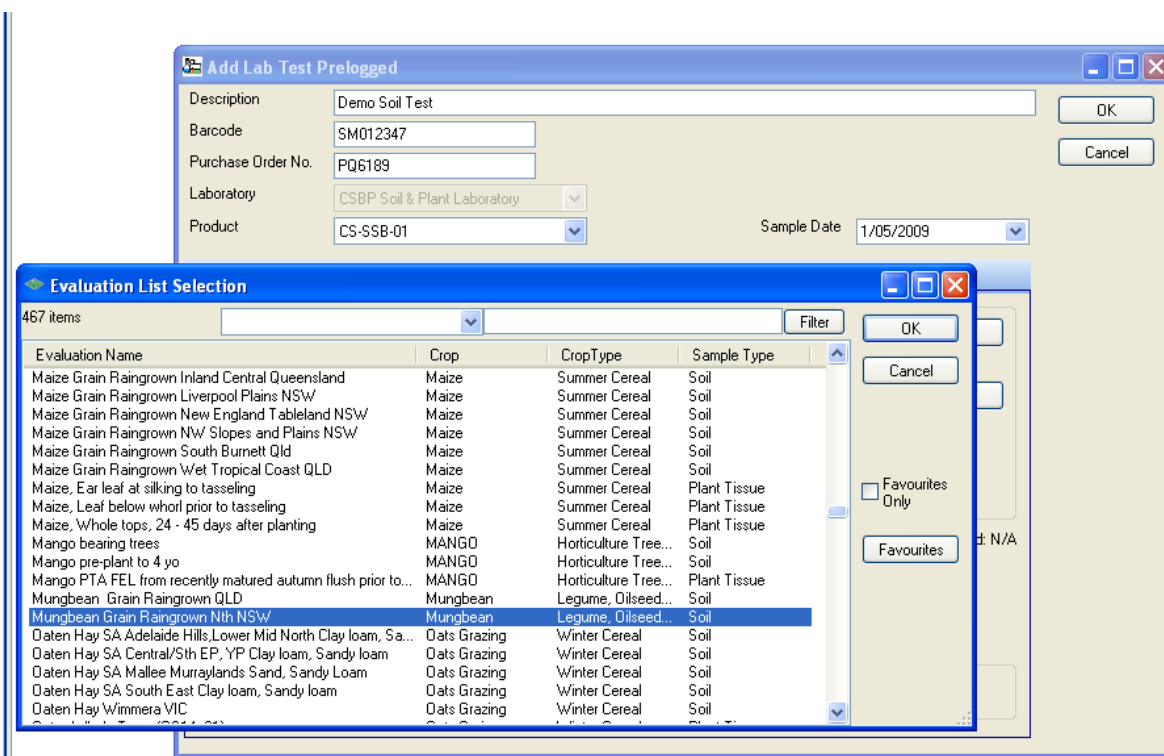
**Lab Results**

Depth From/To: 0 10

## Evaluation

Press the **Select** button next to **Evaluation** to display the **Evaluation List Selection** window.

**Note:** Check if the **Favourites Only** box is ticked if the number of evaluations listed appears minimal. When **favourites** are checked only **favourite** items appear rather than a **full list**.



**Add Lab Test Prelogged**

Description: Demo Soil Test [OK]

Barcode: SM012347 [Cancel]

Purchase Order No.: PQ6189

Laboratory: CSBP Soil & Plant Laboratory

Product: CS-SSB-01

Sample Date: 1/05/2009

**Evaluation List Selection**

467 items [Filter] [OK] [Cancel]

Evaluation Name	Crop	Crop Type	Sample Type
Maize Grain Raingrown Inland Central Queensland	Maize	Summer Cereal	Soil
Maize Grain Raingrown Liverpool Plains NSW	Maize	Summer Cereal	Soil
Maize Grain Raingrown New England Tableland NSW	Maize	Summer Cereal	Soil
Maize Grain Raingrown NW Slopes and Plains NSW	Maize	Summer Cereal	Soil
Maize Grain Raingrown South Burnett Qld	Maize	Summer Cereal	Soil
Maize Grain Raingrown Wet Tropical Coast QLD	Maize	Summer Cereal	Soil
Maize, Ear leaf at silking to tasseling	Maize	Summer Cereal	Plant Tissue
Maize, Leaf below whorl prior to tasseling	Maize	Summer Cereal	Plant Tissue
Maize, Whole tops, 24 - 45 days after planting	Maize	Summer Cereal	Plant Tissue
Mango bearing trees	MANGO	Horticulture Tree...	Soil
Mango pre-plant to 4 yo	MANGO	Horticulture Tree...	Soil
Mango PTA FEL from recently matured autumn flush prior to...	MANGO	Horticulture Tree...	Plant Tissue
Mungbean Grain Raingrown QLD	Mungbean	Legume, Oilseed...	Soil
Mungbean Grain Raingrown Nth NSW	Mungbean	Legume, Oilseed...	Soil
Oaten Hay SA Adelaide Hills Lower Mid North Clay loam, Sa...	Oats Grazing	Winter Cereal	Soil
Oaten Hay SA Central/Sth EP, YP Clay loam, Sandy loam	Oats Grazing	Winter Cereal	Soil
Oaten Hay SA Mallee Murraylands Sand, Sandy Loam	Oats Grazing	Winter Cereal	Soil
Oaten Hay SA South East Clay loam, Sandy loam	Oats Grazing	Winter Cereal	Soil
Oaten Hay Wimmera VIC	Oats Grazing	Winter Cereal	Soil

☒ Favourites Only

Favourites

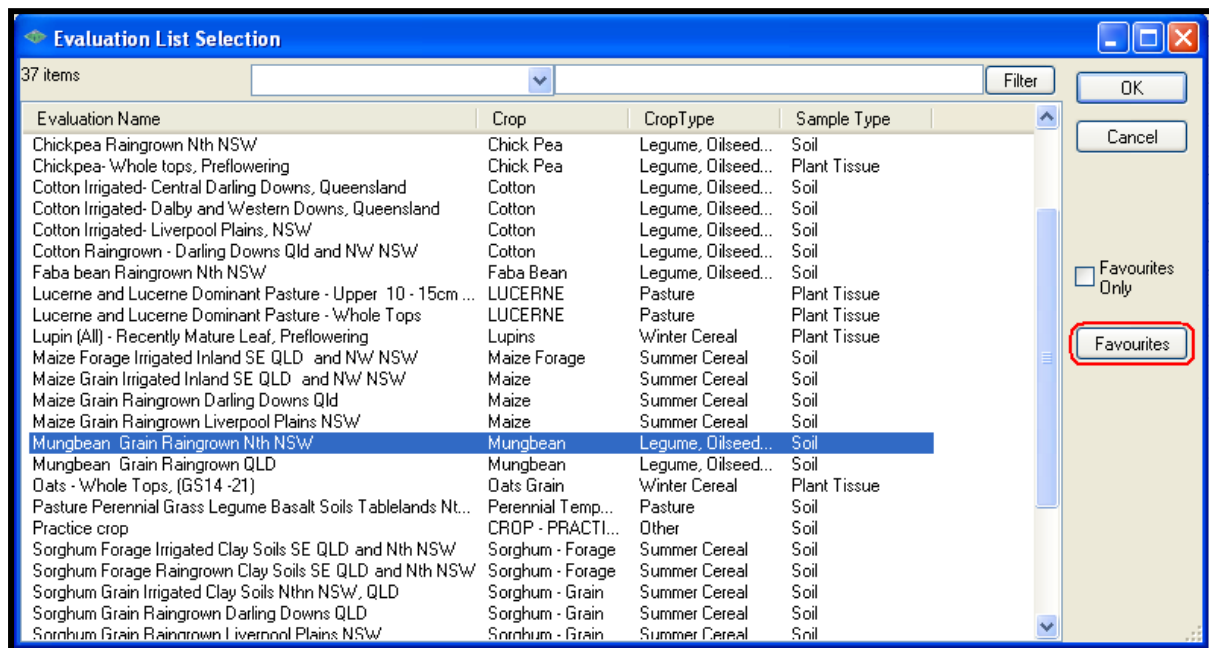
## Contact Us:

Freecall Helpdesk: 1800 557 166

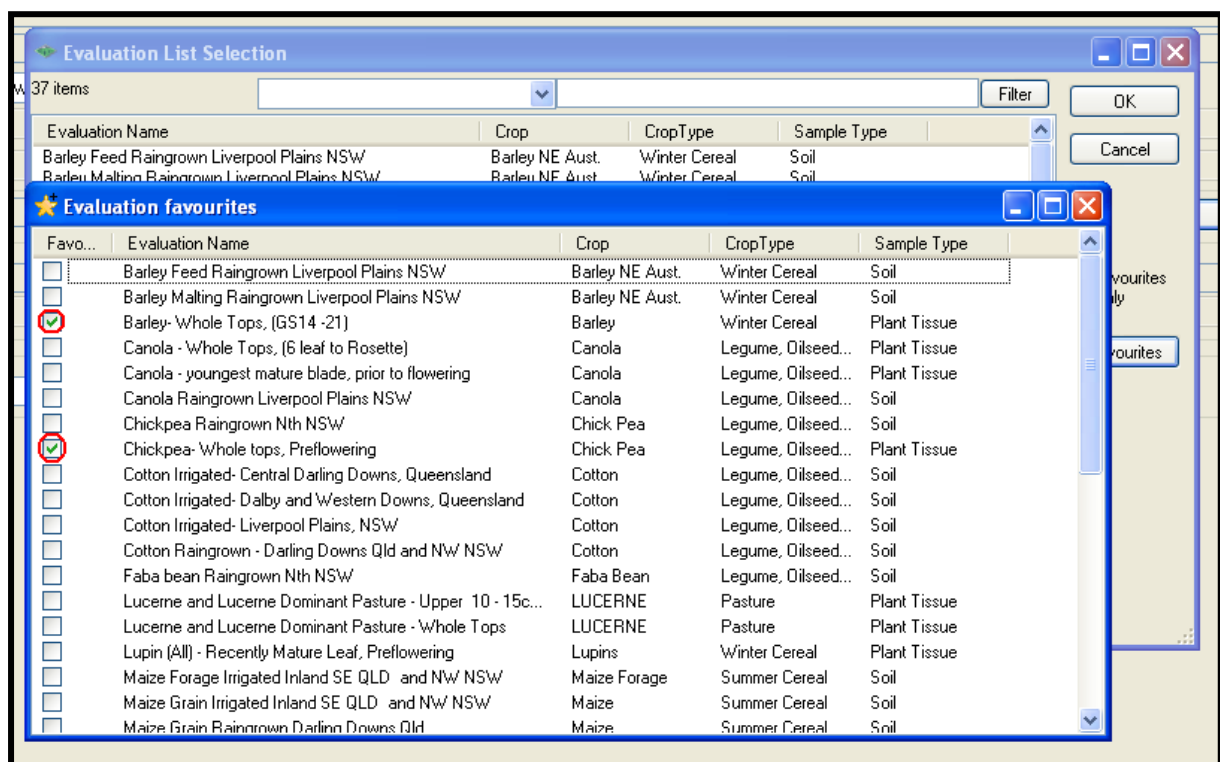
Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

To setup **favourites** click the **Favourites** button on the **Evaluation List Selection** window. See Below.



The **Evaluation favourites** window will now be displayed as shown below. Tick the box to the left of the desired **Evaluation Name**. Close the window after making selections, these will now be added to the **favourites list**.



### Contact Us:

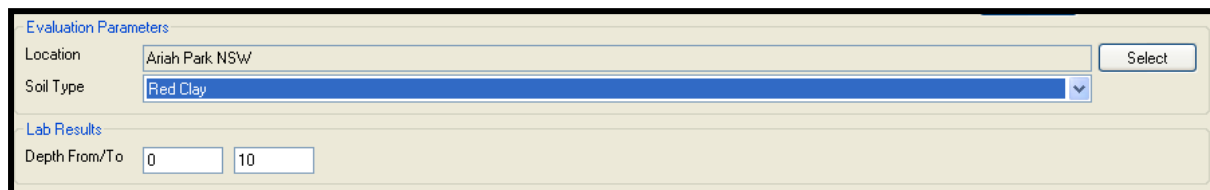
Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Evaluation Parameters

Click the **Select** button next to **Location** and choose the **nearest town** from the selections available.



The screenshot shows the 'Evaluation Parameters' section of a software interface. It includes a 'Location' text field with 'Ariah Park NSW' and a 'Select' button. Below it is a 'Soil Type' dropdown menu currently showing 'Red Clay'. Further down is the 'Lab Results' section with 'Depth From/To' input fields set to '0' and '10'.

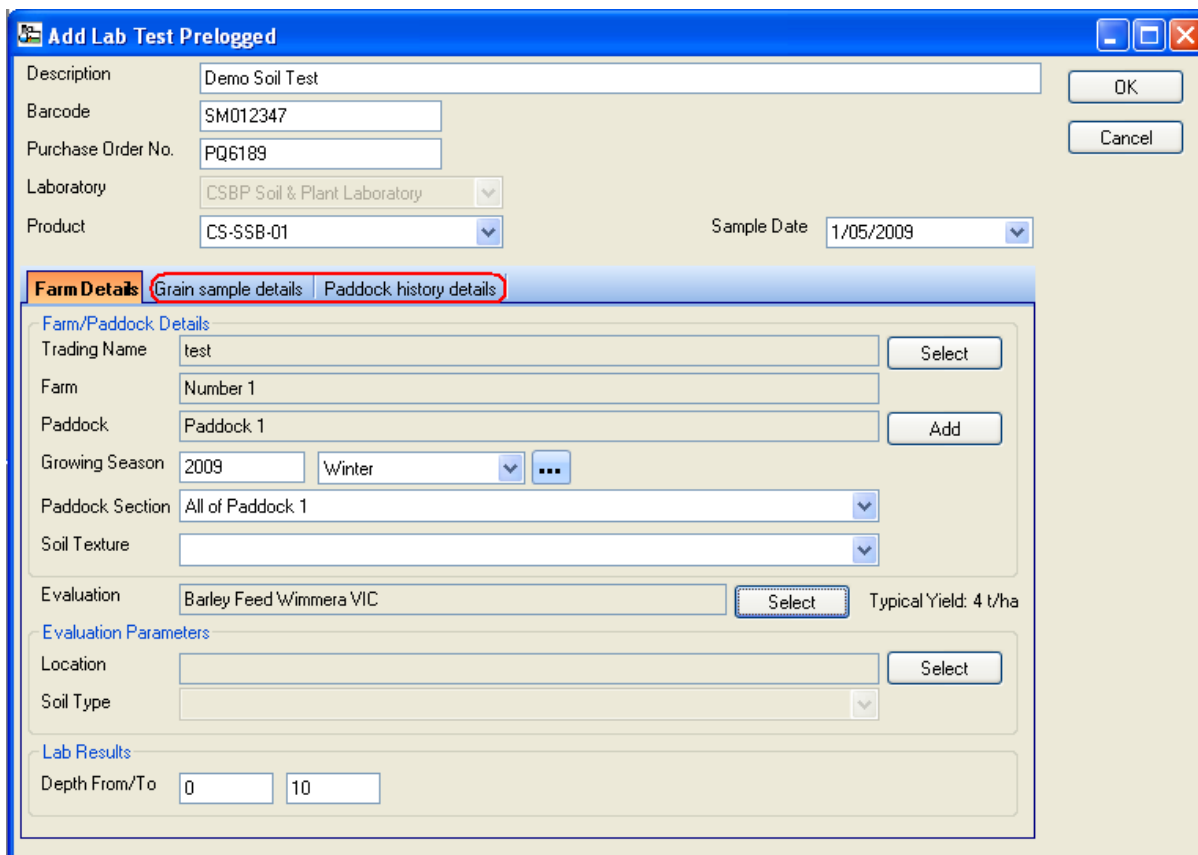
Now choose a **Soil Type** from the **drop down list** by clicking on the arrow to view these options.

## Sample Depth

Check **sample depth** is **correct**, if **incorrect** enter the **appropriate depths**.

## Model Tabs

If the Evaluation table selected has a model attached to it, two tabs will appear next to the Farm Details tab. See Below.



The screenshot shows the 'Add Lab Test Prelogged' window. It contains several input fields: 'Description' (Demo Soil Test), 'Barcode' (SM012347), 'Purchase Order No.' (PQ6189), 'Laboratory' (CSBP Soil & Plant Laboratory), 'Product' (CS-SSB-01), and 'Sample Date' (1/05/2009). Below these are three tabs: 'Farm Details', 'Grain sample details', and 'Paddock history details'. The 'Farm/Paddock Details' tab is active, showing fields for 'Trading Name' (test), 'Farm' (Number 1), 'Paddock' (Paddock 1), 'Growing Season' (2009, Winter), 'Paddock Section' (All of Paddock 1), 'Soil Texture', 'Evaluation' (Barley Feed Wimmera VIC), 'Location', 'Soil Type', and 'Depth From/To' (0, 10). Buttons for 'Select', 'Add', and 'Typical Yield: 4 t/ha' are also visible.

## Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

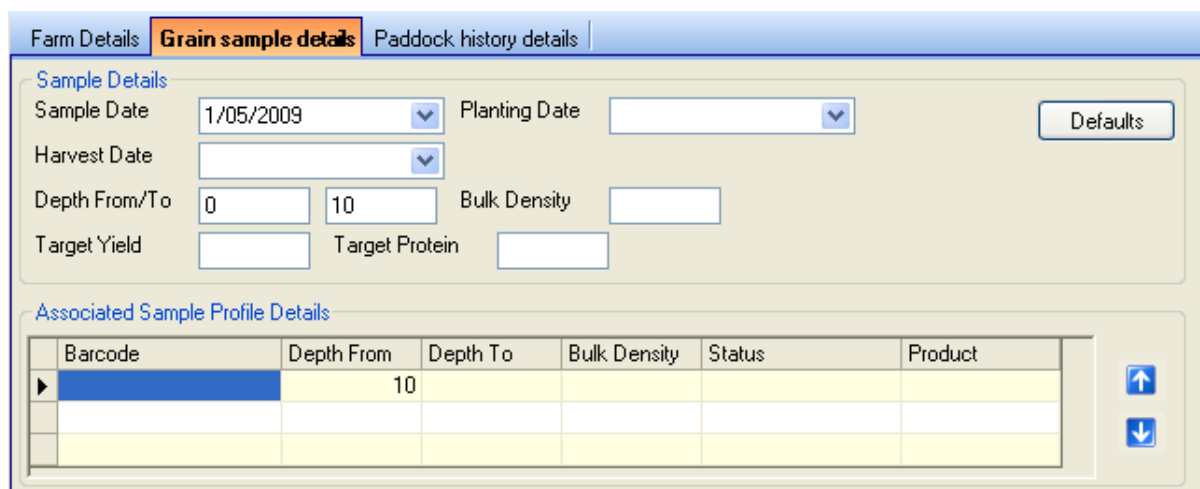
**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)



## Sample Details

Sample details will only appear if a model is attached to the selected evaluation table.

Select **Sample Date**, **Planting Date** and **Harvest Date** from the calendars provided. Pressing the **defaults** button will **automatically set some default values** based on **location** and **soil type** selected. If required you can change **Depth of Sample**, **Bulk Density**, **Target Yield** and **Target Protein**.



The screenshot shows the 'Grain sample details' tab selected. The 'Sample Details' section contains the following fields:

- Sample Date: 1/05/2009 (dropdown)
- Planting Date: (dropdown)
- Harvest Date: (dropdown)
- Depth From/To: 0 (input) to 10 (input)
- Bulk Density: (input)
- Target Yield: (input)
- Target Protein: (input)

A 'Defaults' button is located to the right of the Planting Date dropdown. Below this is the 'Associated Sample Profile Details' section, which contains a table with the following data:

Barcode	Depth From	Depth To	Bulk Density	Status	Product
▶	10				

Up and down arrow buttons are located to the right of the table.

## Associated Sample Profile Details

**Associated Sample Profile Details** are only to be filled in when deep soil tests are connected to the shallow soil test. **These deep tests DO NOT need to be prelogged.** An example of associating a 0-10cm, 10-30cm and a 30-60cm sample is shown in the below image.

Associated Sample Profile Details

Barcode	Depth From	Depth To	Bulk Density	Status	Product
SM012348	10	30			CS-SSB-03
▶ SM012349	30	60			CS-SSB-03

When associating lab tests only the **shallow test** is **prelogged**. In the **above example** the **barcode SM012347** has been **prelogged**. The **SM012348** and **SM012349** barcodes do not require any attention apart from been entered into the **Associated Sample Profile Details** grid on the **SM012347 Sample details** screen **as shown above**. Ensure the **Product** field is **populated** for each associated sample barcode as the **electronic SOF form** will include this information. If no **Product** is selected for associated samples the **Laboratory** will not know which test code to use and testing will be **delayed until this information is obtained**.

## Contact Us:

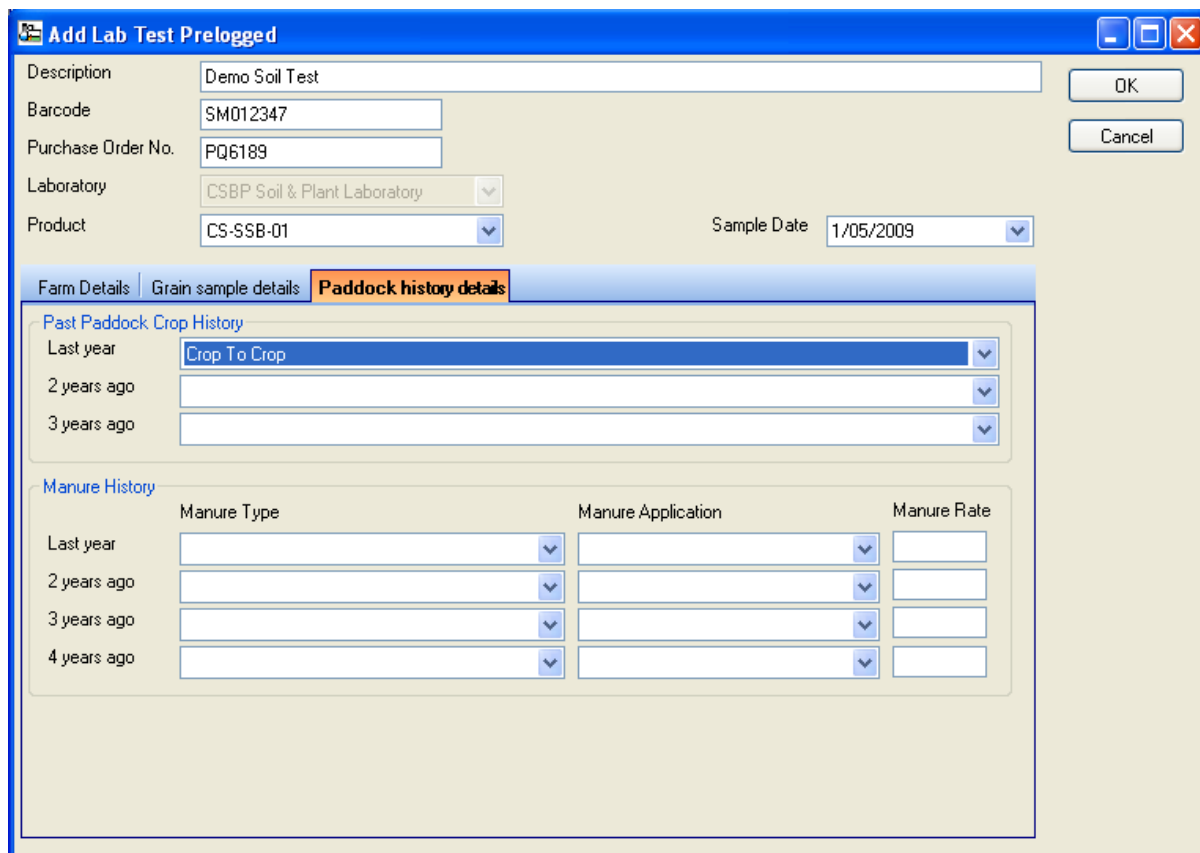
**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Paddock History Details

This tab provides you with the option to provide paddock history.



The screenshot shows a software window titled "Add Lab Test Prelogged". It contains several input fields for test details: Description (Demo Soil Test), Barcode (SM012347), Purchase Order No. (PQ6189), Laboratory (CSBP Soil & Plant Laboratory), Product (CS-SSB-01), and Sample Date (1/05/2009). Below these fields are three tabs: "Farm Details", "Grain sample details", and "Paddock history details". The "Paddock history details" tab is active and contains two sections: "Past Paddock Crop History" and "Manure History".

**Past Paddock Crop History**

Year	Crop
Last year	Crop To Crop
2 years ago	
3 years ago	

**Manure History**

Year	Manure Type	Manure Application	Manure Rate
Last year			
2 years ago			
3 years ago			
4 years ago			

### Past Paddock Crop History

**Crop to crop** is used following all **non-legume crops**. Use the down arrow to select the last crops grown in that paddock – **crop to crop** means that there has been no **legume crop** or **pasture** grown in that year.

### Manure History

Select the **Manure Type** that **best describes** the product applied. Select the most suitable **Manure Application**. **Manure Rate** is in tonnes / ha.

### Contact Us:

**Freecall Helpdesk:** 1800 557 166

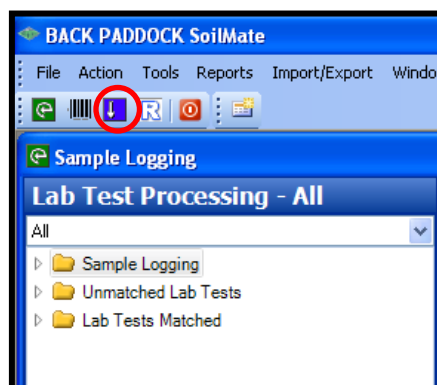
Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

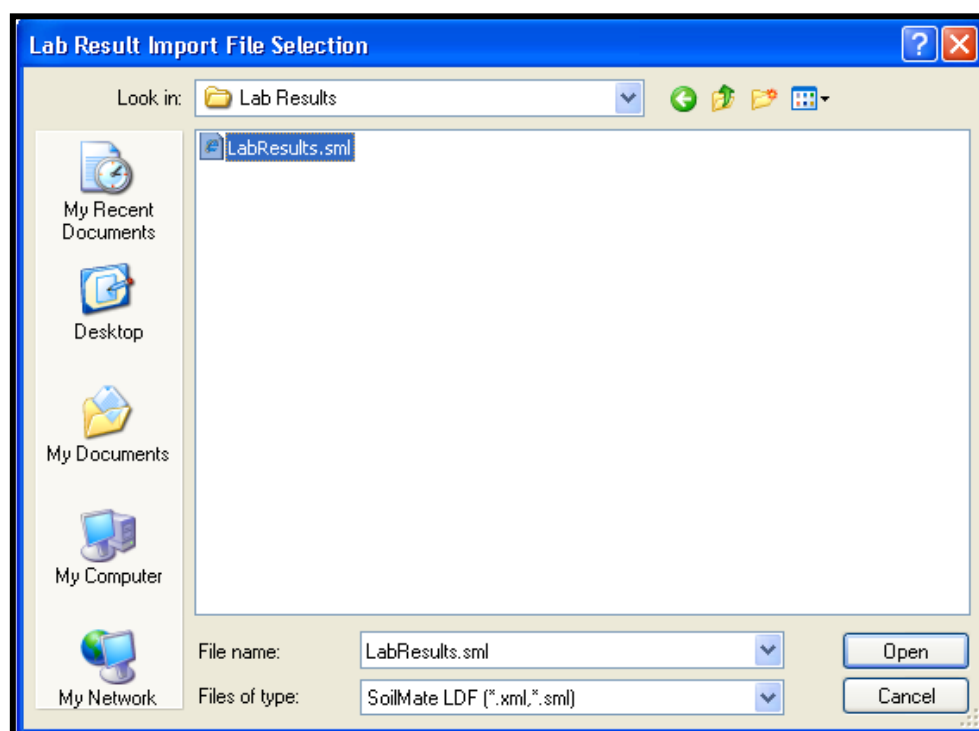
## Importing Lab Test Results

**Importing Lab results** into **SoilMate** is **started after downloading laboratory results** into an easily identifiable area on your computer e.g. **My Documents\SoilMate Lab Results** or **C:\SoilMate\Lab Results**.

To import results from the chosen storage folder, click on the blue box with the white arrow pointing down from the toolbar.



This will activate the **Lab Result Import File Selection** window. **See below. Locate the file containing the lab data required. Select the file by left clicking it once, now click Open.**



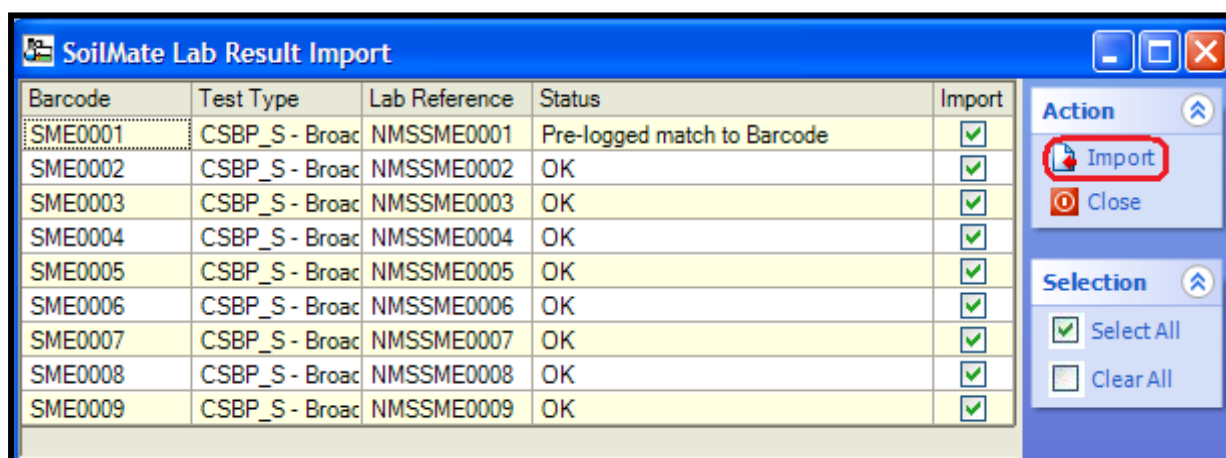
### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

If you have **Pre-logged**, the results will automatically be recognised and displayed in the **Status** as **Pre-logged match to Barcode** and will be **matched automatically** and **ready for Interpretation** in the **Lab Tests Matched** folder.



Barcode	Test Type	Lab Reference	Status	Import
SME0001	CSBP_S - Broac	NMSSME0001	Pre-logged match to Barcode	<input checked="" type="checkbox"/>
SME0002	CSBP_S - Broac	NMSSME0002	OK	<input checked="" type="checkbox"/>
SME0003	CSBP_S - Broac	NMSSME0003	OK	<input checked="" type="checkbox"/>
SME0004	CSBP_S - Broac	NMSSME0004	OK	<input checked="" type="checkbox"/>
SME0005	CSBP_S - Broac	NMSSME0005	OK	<input checked="" type="checkbox"/>
SME0006	CSBP_S - Broac	NMSSME0006	OK	<input checked="" type="checkbox"/>
SME0007	CSBP_S - Broac	NMSSME0007	OK	<input checked="" type="checkbox"/>
SME0008	CSBP_S - Broac	NMSSME0008	OK	<input checked="" type="checkbox"/>
SME0009	CSBP_S - Broac	NMSSME0009	OK	<input checked="" type="checkbox"/>

If the **Status** is **OK**, the results will be imported **but cannot be interpreted until the Pre-logging step is completed**. These results can be found in the **Unmatched Lab Tests** folder.

If you **do not want to import a result**, remove the appropriate tick box in the **Import** column.

### Contact Us:

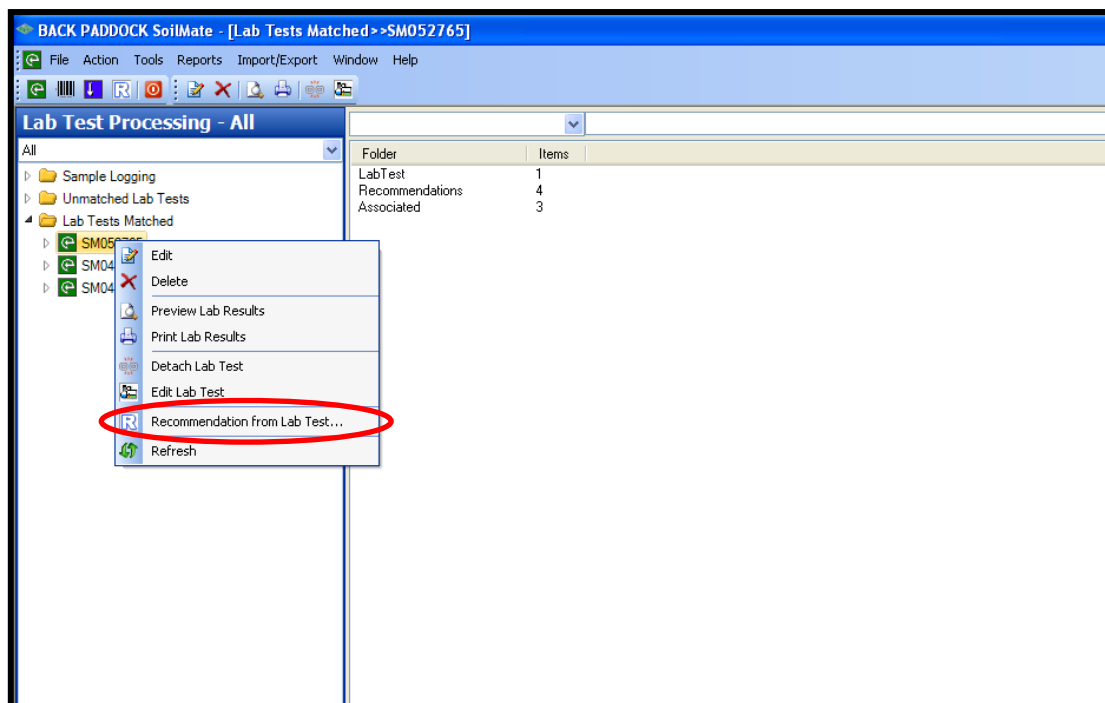
**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

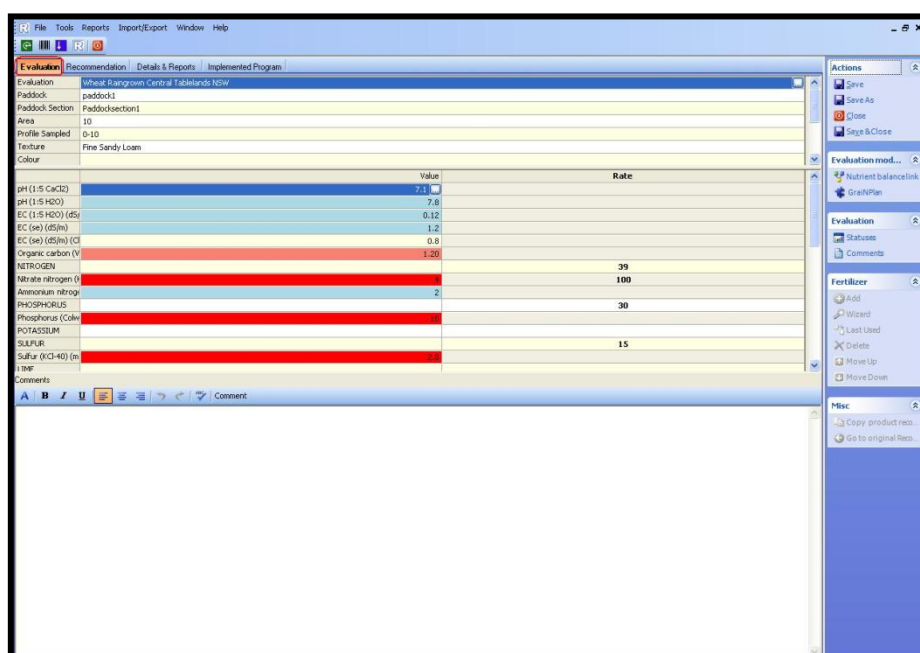
## Evaluating Results

Open the **Lab Tests Matched** folder, highlight the **Lab test of interest** (as indicated by the **barcode number**), right click and select **Recommendation from Lab Test**.



The **SoilMate Evaluation Wizard** screen will then begin. Enter the **Recommendation Name** and click **Next**. This will take you to additional screens that allow you to confirm the original Pre-logging information. Either **Update** and click **Next** or just click **Next** and click **Finish**.

After clicking **Finish**, the **Evaluation process begins** and the **Evaluation screen is displayed**. See **Below**.



### Contact Us:

Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)


## Evaluation Tab

You may enter in extra information about the crop and paddock at the top of the screen, such as: Area in hectares (worth doing as it then calculates tonnages to purchase and crop variety).

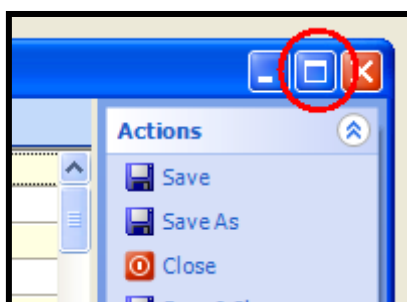
To check which information can be updated click in the data areas, then click the  button and enter data.

**Analytes, Values and Rate** (Note: the main part of the screen is split into **Analyte Value** on the left with corresponding colour indicating status and NPK etc, rate on the right)

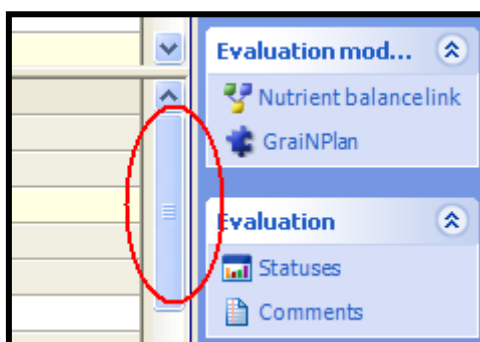
By default, red and pink colours indicate low or moderate levels of an analyte.

	Value	Rate
pH (1:5 CaCl2)	7.1 	
pH (1:5 H2O)	7.7	
EC (1:5 H2O) (dS/m)	0.168	
Organic carbon (V)	1.63	
NITROGEN		0
Nitrate nitrogen (kg/ha)	33	
Ammonium nitrogen (kg/ha)	5	
PHOSPHORUS		15
Phosphorus (Colwell)	38	
Phosphorus Bufferable	83.2	
POTASSIUM		
Potassium (Cowell)	822	

You may need to **maximize the window for easier viewing** this can be done by clicking the middle windows control tool. See below.



You will also need to **scroll down to see all the analytes and corresponding nutrient rate.** See below.



## Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

On the **far right of the screen** you will notice sections that allow **additional tools and actions** such as:

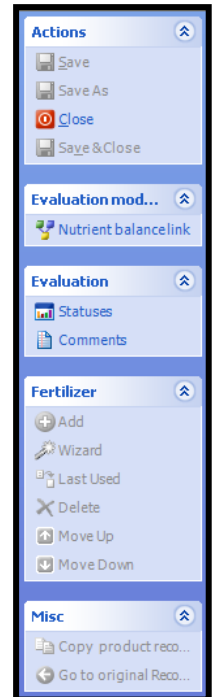
**Actions** – **Save**, **Save as** an alternate name, **Close** and **Save & Close** your recommendation.

**Evaluation Models** – **Nutrient Balance** and **GrainNPlan** or **CotNPlan**

**Evaluation** – **Statuses** and **Comments**

**Fertilizer** – Tools for **fertilizer choice**

**Misc** – Tools to **quickly copy your Fertilizer product recommendation** in the **Detail & Reports tab** to your **implemented program tab**.



If you **slowly run your cursor down the analyte values** the status of these values will be displayed.

Organic carbon (v	1.63	
NITROGEN		0
Nitrate nitrogen (h	33	
Ammonium nitroge	5	
PHOSPHORUS		15
Phosphorus (Colw	38	
Phosphorus Buffe	83.2	

The **Evaluation / Statuses** on the **right hand side of screen** can be **opened to get more information on the statuses of each analyte and measurement**. The **values such as 23 or 4** above are a **rating** and refer to the **length of the line in the status graph** and therefore the **colour range the analyte falls into**. This rating scale is given below.


Nutrient Status Comment	Value Range	Soil Health Status Comment
Low	0-10	Too Low
Marginal	11-20	Low
Sufficient	21-30	Satisfactory
High	31-40	High
Excess	41+	Too high

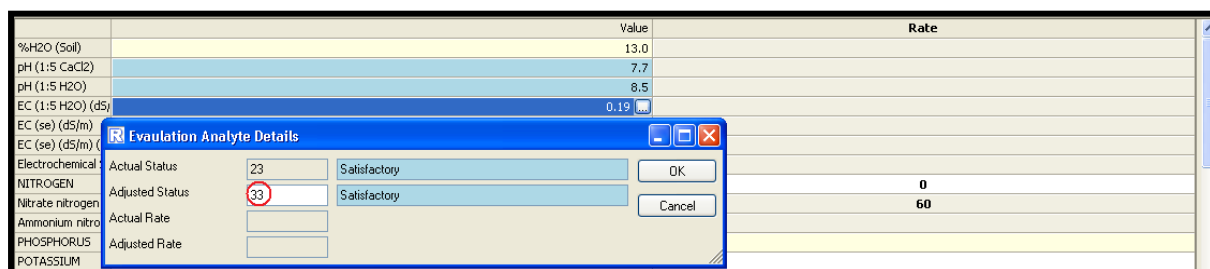
### Contact Us:

**Freecall Helpdesk:** 1800 557 166


Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

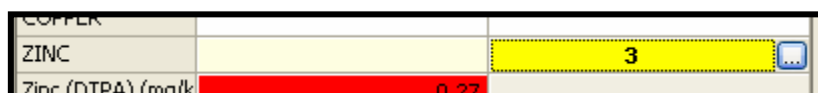
**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

If you wish to **change the standard status**, place your **cursor on one of the coloured lines** and **click**. You may then **click on the box with the 3 dots** , which appears and **shows status and rate**.



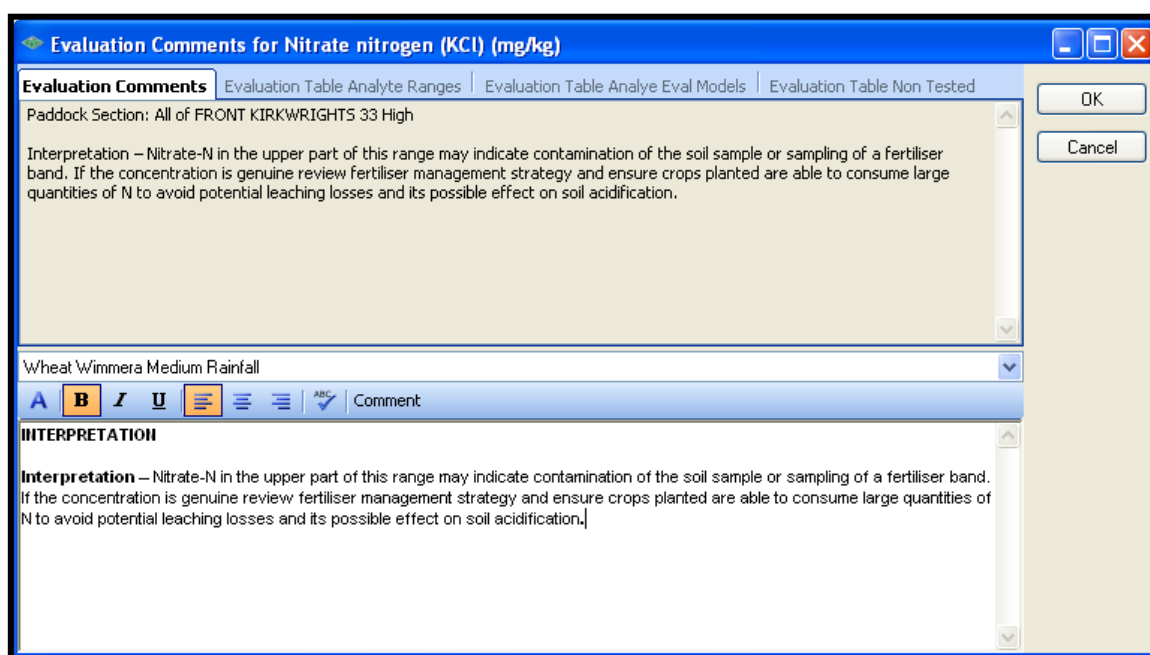
You can **adjust the status** at this point if required. The **adjusted status** will **show up with a coloured line** reflecting the status chosen.

Move to the **Rate** column. To **change a rate** click on the **rate to be changed** and then the  **box that appears on that line**. The **rate of nutrient applied** can be **changed in the Adjusted Rate box**. Any **adjusted rate** will appear on a **yellow line** to indicate a change has taken place.



**Note:** The nutrient rate can only be changed by amending the rate opposite those areas in the Rate column that are coloured white or pale yellow.

**Comments:** the Evaluation Comments area contains important information for interpreters about assumptions behind the rates suggested, and may provide information about product, placement and timing options. To view evaluation comments, highlight the analyte you are interested in and then **press Comments on right of screen**. They are available to be viewed as well as copied (highlight selected comment, press Control + C) and pasted (place cursor in Comments section at bottom of page and press Control + V).



On the next tab to the right of **Evaluation comments** is **Evaluation Table Analyte Ranges**, which provides you with a full view of the **rates** suggested across the **full range** of the **evaluation criteria**.

### Contact Us:

Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

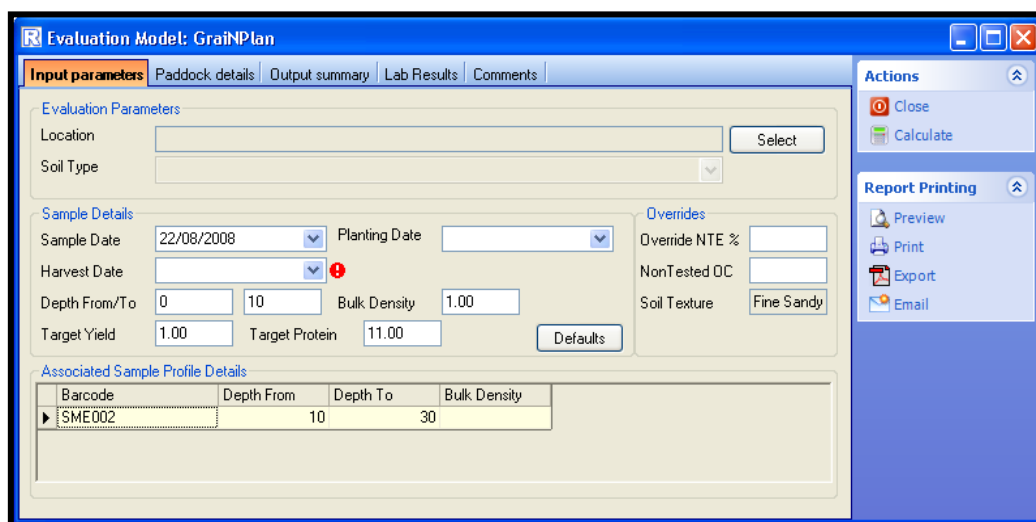
Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)



## GrainNPlan / CotNPlan

The **GrainNPlan** and **CotNPlan** are a **N budgeting model** (grain, oilseed, cotton, forage) used in **SoilMate** to calculate **N rates** where soil has been sampled to greater than 10 - 15 cm or where it has been sampled at multiple depths.

To **view, change** or **print/export** the information in the **GrainNPlan** or **CotNPlan** click on the **GrainNPlan** or the **CotNPlan** in the **Evaluation model area** on the top right hand side of the screen. In the below example we have used the **GrainNPlan**.



The screenshot shows the 'Evaluation Model: GrainNPlan' window. It has five tabs: 'Input parameters' (selected), 'Paddock details', 'Output summary', 'Lab Results', and 'Comments'. The 'Input parameters' tab contains several sections: 'Evaluation Parameters' with 'Location' and 'Soil Type' fields; 'Sample Details' with 'Sample Date' (22/08/2008), 'Planting Date', 'Harvest Date', 'Depth From/To' (0 to 10), 'Bulk Density' (1.00), 'Target Yield' (1.00), and 'Target Protein' (11.00); and 'Overrides' with 'Override NTE %', 'Non Tested OC', and 'Soil Texture' (Fine Sandy). A 'Defaults' button is also present. Below these is the 'Associated Sample Profile Details' table:

Barcode	Depth From	Depth To	Bulk Density
SME002	10	30	

On the right side, there are two panels: 'Actions' with 'Close' and 'Calculate' buttons, and 'Report Printing' with 'Preview', 'Print', 'Export', and 'Email' options.

**Note:** the 5 tabs – **Input parameters** (which you are in), **Paddock details**, **Output summary**, **Lab Results** and **Comments**. If you are doing a **GrainNPlan** calculation and **OC %** has not been tested in the surface sample or you have only done a profile sample e.g. 0 – 60 cm you will need to enter a value in the **Non Tested OC** box in the **Overrides** area and click **Calculate** to have the mineralisation function operate.

**Note:** The **Non Tested Organic Carbon** is not operational when an **OC %** value is available from an attached surface sample.

If in your experience the **nitrogen efficiency** is significantly different to that generated by the model from the **grain protein**, you can enter a new value in the **Override NTE %** box and click **Calculate**.

The **Output summary** tab summarizes the information that will occur on the **printed report** and the **Lab Results** tab contains the **lab test data**.

The **report** can be **previewed** or sent to a **printer**, **PDF (Adobe document)** or **emailed** from the **Report Printing** area.

The **Crop N Recommendation** from **GrainNPlan** is automatically loaded into the **rate column** opposite **NITROGEN**. The value below it and opposite **Nitrate nitrogen** is the **rate** that the software would have suggested if it had **surface N** only tested.

Once you have the **rates of nutrient required**, **additional comments** may be added to the **recommendation** by **typing** in the **Comments** area at the **bottom of the screen**, **copying** and **pasting** from the interpreters **Comments** accessed from the **Evaluation menu** on the right hand side, from **adviser Comments** located in the **Comments menu** or **copied** and **pasted** from the **Info Library** accessible from the **Help menu**.

### Contact Us:

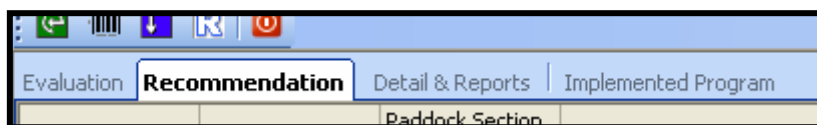
**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Making a Recommendation

### Recommendation Tab



After scrolling down and ensuring that all the nutrients required have been considered on the **Evaluation** tab, **click** on the **Recommendation** tab. There are three options for matching fertilizers to the nutrient indicated in the Evaluation:

1. **Add**
2. **Wizard**
3. **Last Used**

### Add

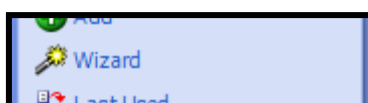


The **Add** function is generally used when you wish to **add particular fertilizers** or **adjust rates** to match the requirement from the **Evaluation** tab.

The **right hand side** of the **screen** in the **Fertilizer** section is **open** for you to start **selecting fertilizers** to match the nutrient requirements when on the **Recommendation** tab. Choose **+ Add** then **select** the appropriate **Product Selection** at the **upper right hand corner of the window** (e.g. **All**) and the appropriate **Application Type** eg. **Solid (dry)**. **Select the most appropriate fertilizer and highlight, select application comment, select timing comment and then Okay. From your knowledge of the fertilizer add in the appropriate rate of application the matches the nutrient requirement.**

If the **Requirement** is not matched by the **Actual rate**, **double click** on the **rate** of the **appropriate product** and **adjust the rate**. Continue until fertilizer program is complete.

### Wizard



The **Wizard** is designed to **automate** the process of **product selection** and **fertilizer rate calculation**. The **Wizard** provides a **stepped pathway** that would generally be used when the user is unfamiliar with **products** and **rates**. **Note: The wizard lists All products on the database.**

### Last Used



The **Last Used** option is used when there are multiple paddocks that are likely to have a very similar **product, timing and application** strategy. After choosing this option, a list of previous **recommendations** will appear. Simply **choose the product strategy that is most appropriate** and then **click Ok**, then **adjust rate** so that the **Req. and Act. match**.

### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

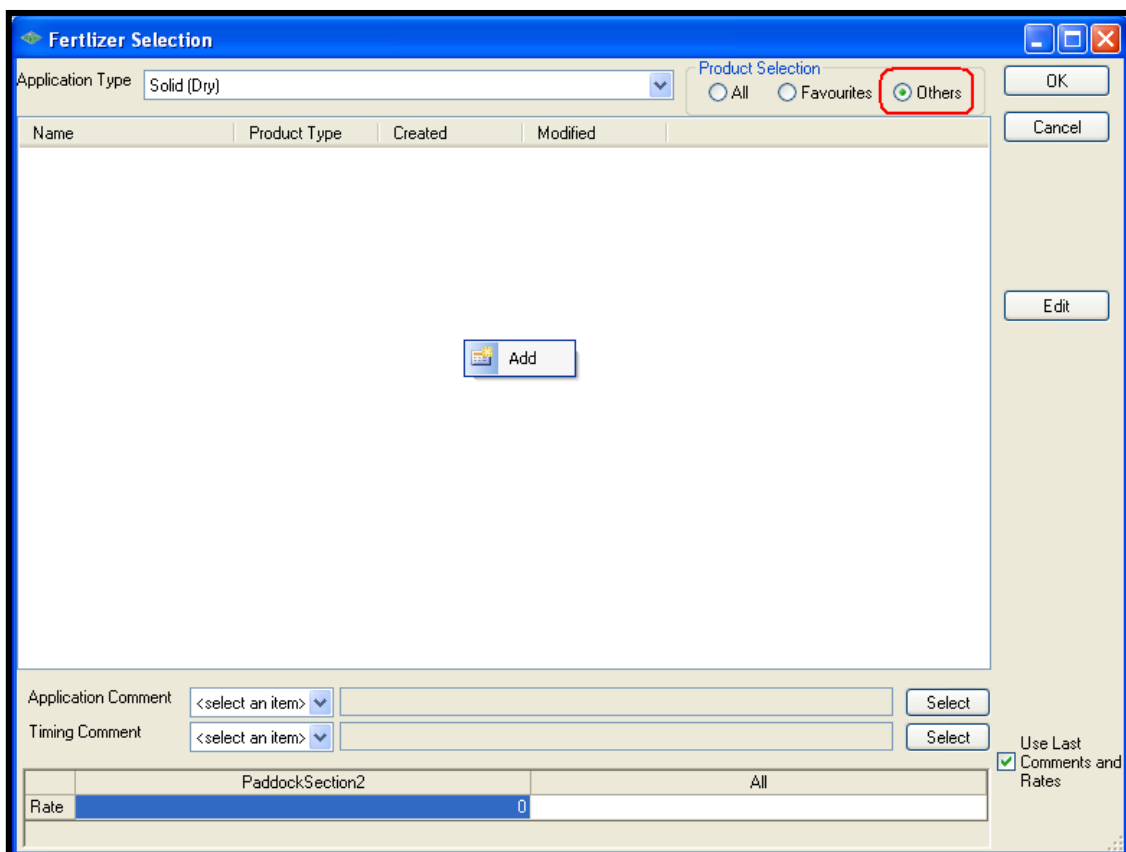
**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Adding a New Fertilizer to the database of fertilizer products

Click to add a fertilizer 

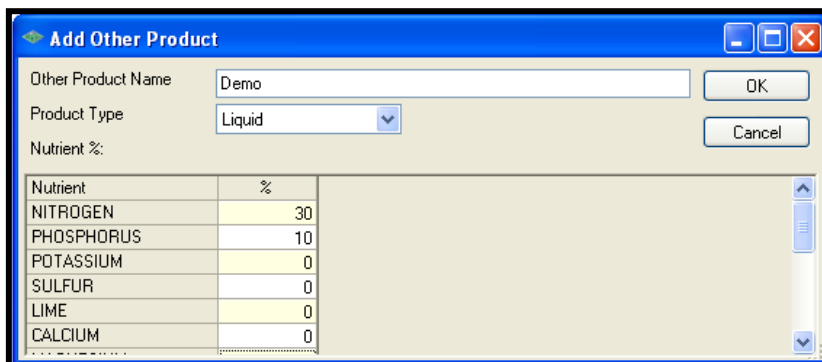
Adding a fertilizer to the list in **Others** can be achieved whenever the **Fertilizer Selection** window is open and the **Others** product selection box is selected.

Select **Application Type** e.g. **solid dry**, Select **Others** as the product selection option then right click in the white space and click 



The screenshot shows the 'Fertilizer Selection' window. The 'Application Type' dropdown is set to 'Solid (Dry)'. The 'Product Selection' section has three radio buttons: 'All', 'Favourites', and 'Others'. The 'Others' radio button is selected and highlighted with a red rectangle. Below the product selection section is a large white area with an 'Add' button in the center. At the bottom, there are fields for 'Application Comment' and 'Timing Comment', each with a dropdown menu and a 'Select' button. On the right side, there are 'OK', 'Cancel', and 'Edit' buttons. At the bottom right, there is a checkbox labeled 'Use Last Comments and Rates' which is checked. The bottom of the window shows a table with columns 'PaddockSection2' and 'All', and a 'Rate' field with a value of 0.


Enter the fertilizer analyte details. Then click OK.



The screenshot shows the 'Add Other Product' window. The 'Other Product Name' field contains 'Demo'. The 'Product Type' dropdown is set to 'Liquid'. The 'Nutrient %' section contains a table with the following data:

Nutrient	%
NITROGEN	30
PHOSPHORUS	10
POTASSIUM	0
SULFUR	0
LIME	0
CALCIUM	0

At the bottom right, there are 'OK' and 'Cancel' buttons.

Note: Fertilizers you have added to the database yourself can only be accessed by using the  function (not the wizard).

### Contact Us:

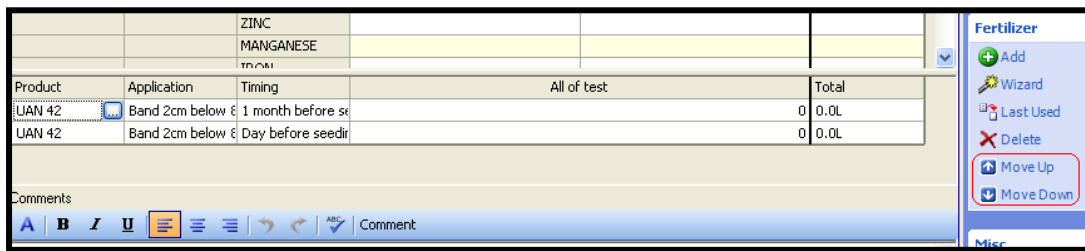
Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Order of Fertilizer Program

**Move Up** and **Move Down** arrows e.g. if gypsum was the last product added but needs to be applied first, use the move up arrow to chronologically move it to the top of the recommendation.



Product	Application	Timing	All of test	Total
UAN 42	Band 2cm below	1 month before s		0 0.0L
UAN 42	Band 2cm below	Day before seedi		0 0.0L

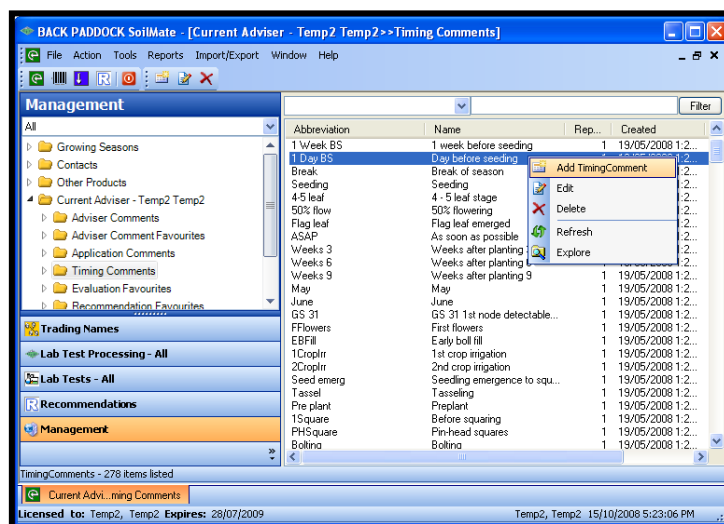
## To add Application comments

Whilst in the **Recommendation** tab, select **Add fertilizer** on the right, select fertilizer product, go to the **Application Comment** at the base of the window; press the **Select** button to the right of this row to open the **Application Comment List Selection** window. Right mouse click on the **Application Comment List Selection** screen and select the **Add Application Comment** option, complete the form and save, press OK.

## To add a Timing comment:

Use the same process for application comment to add a Timing comment.

**Timing and application comments can also be added from the Management section** accessed by the list located at the lower left of the application screen. **Once in the Management section you may expand the Current Adviser tree to display a list of categories for editable Adviser specific data.**



Abbreviation	Name	Rep...	Created
1 Week BS	1 week before seeding	1	19/05/2008 1:2...
100g BS	100g before seeding	1	19/05/2008 1:2...
Break	Break of season	1	19/05/2008 1:2...
Seeding	Seeding	1	19/05/2008 1:2...
4-5 leaf	4-5 leaf stage	1	19/05/2008 1:2...
50% flow	50% flowering	1	19/05/2008 1:2...
Flag leaf	Flag leaf emerged	1	19/05/2008 1:2...
ASAP	As soon as possible	1	19/05/2008 1:2...
Weeks 3	Weeks after planting	1	19/05/2008 1:2...
Weeks 6	Weeks after planting	1	19/05/2008 1:2...
Weeks 9	Weeks after planting	1	19/05/2008 1:2...
May	May	1	19/05/2008 1:2...
June	June	1	19/05/2008 1:2...
GS 31	GS 31 1st node detectable...	1	19/05/2008 1:2...
FFlowers	First flowers	1	19/05/2008 1:2...
EBFill	Early boll fill	1	19/05/2008 1:2...
1CropIrr	1st crop irrigation	1	19/05/2008 1:2...
2CropIrr	2nd crop irrigation	1	19/05/2008 1:2...
Seed emerg	Seedling emergence to squ...	1	19/05/2008 1:2...
Tassel	Tasselling	1	19/05/2008 1:2...
Pre plant	Preplant	1	19/05/2008 1:2...
1Square	Before squaring	1	19/05/2008 1:2...
PHSquare	Pin-head squares	1	19/05/2008 1:2...
Bolting	Bolting	1	19/05/2008 1:2...

## Contact Us:

Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

You can **adjust** the **reports** you wish to produce **by** **ticking** or **un-ticking** the **Recommendation comments** and **page break boxes**.


Evaluation		Recommendation		Details & Reports		Implemented Program	
Recommendation Name		Test Recommendation					
Recommendation Status							
Current Status		Draft Program		Change Status			
Reports							
Report				Page Break			
<input checked="" type="checkbox"/> Grower, Adviser and Sample Details				<input type="checkbox"/>			
<input checked="" type="checkbox"/> Analysis Results				<input type="checkbox"/>			
<input checked="" type="checkbox"/> Evaluation - Statuses				<input type="checkbox"/>			
<input checked="" type="checkbox"/> Nutrient Requirements				<input type="checkbox"/>			
<input checked="" type="checkbox"/> Nutrient Rates In Product Recommendation				<input type="checkbox"/>			
<input checked="" type="checkbox"/> Evaluation - Graphical				<input type="checkbox"/>			
<input checked="" type="checkbox"/> Recommendation				<input type="checkbox"/>			
<input checked="" type="checkbox"/> Nutrient Rates In Product Recommendation				<input type="checkbox"/>			
<input checked="" type="checkbox"/> Recommendation Comments				<input type="checkbox"/>			
<div>  Preview            Print            Export            Email            Options            Default           Report Type           <div>Short</div> </div>							

**Scroll between pages using the green arrow at top of report. See below.**

**SoilMate Print Preview**

Print... Export... Email... 103 % 1/2 Backward Forward

---



**BACK Paddock  
SoilMate**  
www.backpaddock.com.au

**TRADING NAME:** test

**ACCOUNT NUMBER:**

**FARM NAME:** test

**CONTACT:** Temp2 Temp2

**AREA (ha):** 55

**DATE:** 21 Aug 2008

**ACCREDITED ADVISER:** Temp2 Temp2

**PHONE:**

**MOBILE:**

**FAX:**

**EMAIL:**

---

<b>Paddock Name</b>	<b>test</b>
<b>Paddock Section</b>	<b>All of test</b>
Area (ha)	55
Paddock use	Cotton
<b>Target production (t/ha)</b>	<b>7.0</b>
Laboratory sample number	2008004845
Profile sampled (cm)	10-60
Date of sampling	21 Feb 2008
Evaluation table	Cotton Irrigated- Liverpool Plains, NSW
<b>Paddock use</b>	<b>Cotton</b>

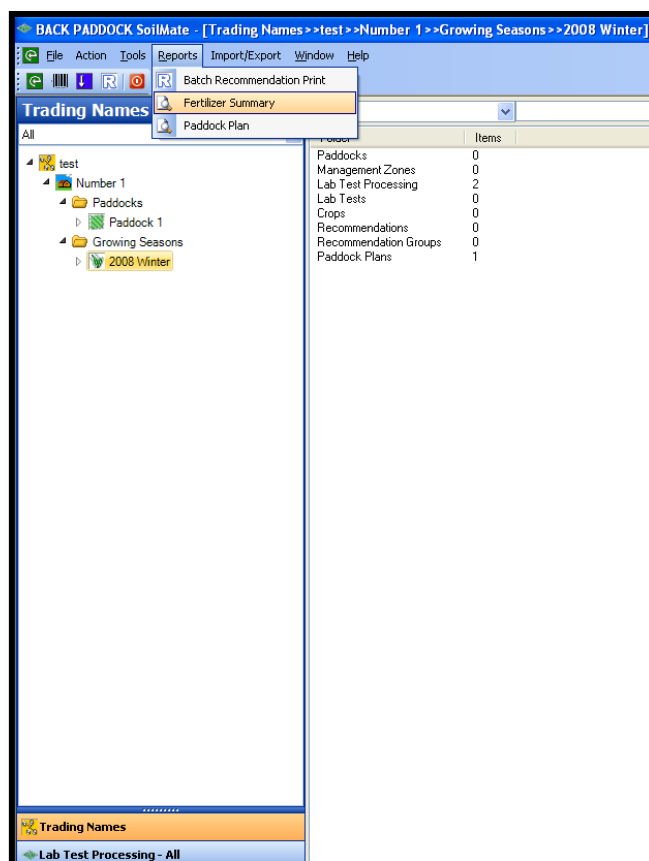
**ANALYSIS RESULTS**

<b>Paddock Name</b>	<b>test</b>
<b>Paddock Section</b>	<b>All of test</b>
Soil texture	Clay Loam
pH (1:5 CaCl2)	8.0 - High

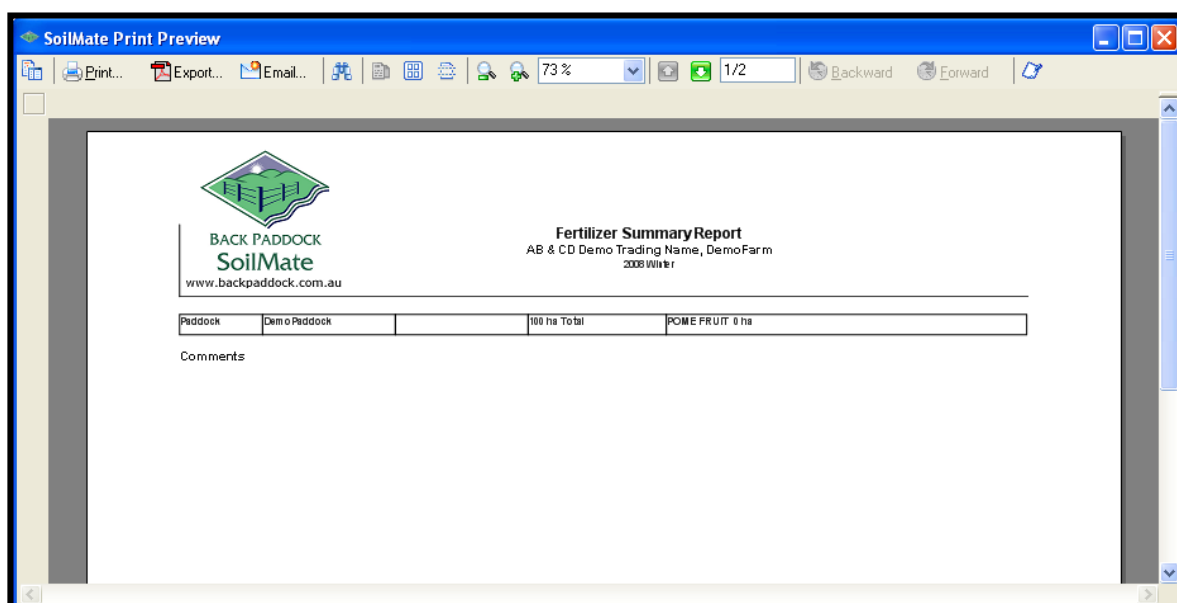
**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Fertilizer Summary Report

A paddock by paddock fertiliser plan summary may be printed by navigating to the Trading Name tab, opening Farm and expand Growing Season. Open Growing Season and right click on appropriate season.



Select Report: Fertiliser Summary from the drop-down list and print, email or export.



### Contact Us:

**Freecall Helpdesk:** 1800 557 166

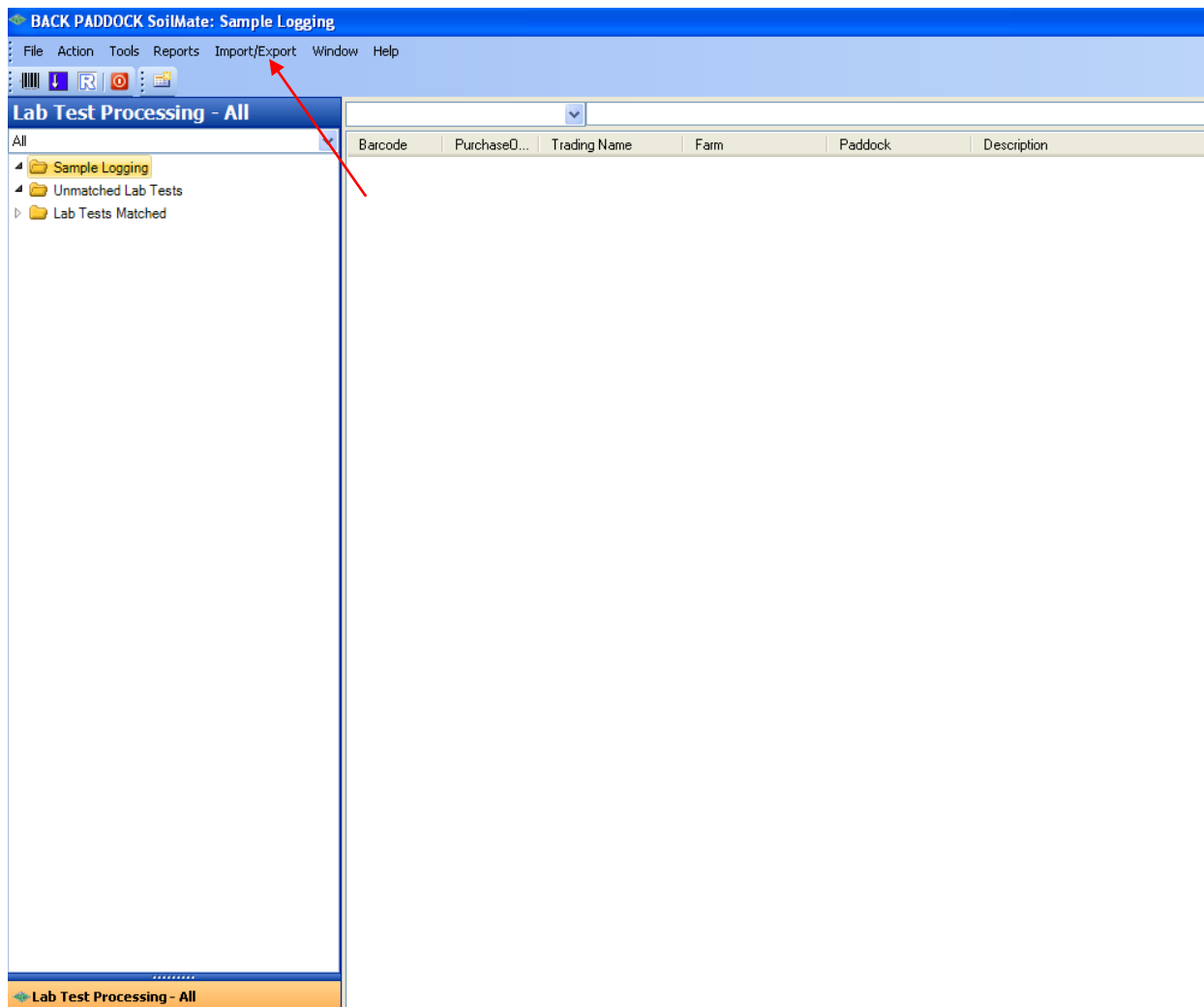
Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Trend Analysis

SoilMate has a function to export data and **analyse the trends** over time.

To **analyse trends** go to the **Import/Export tab** at the top of the page.



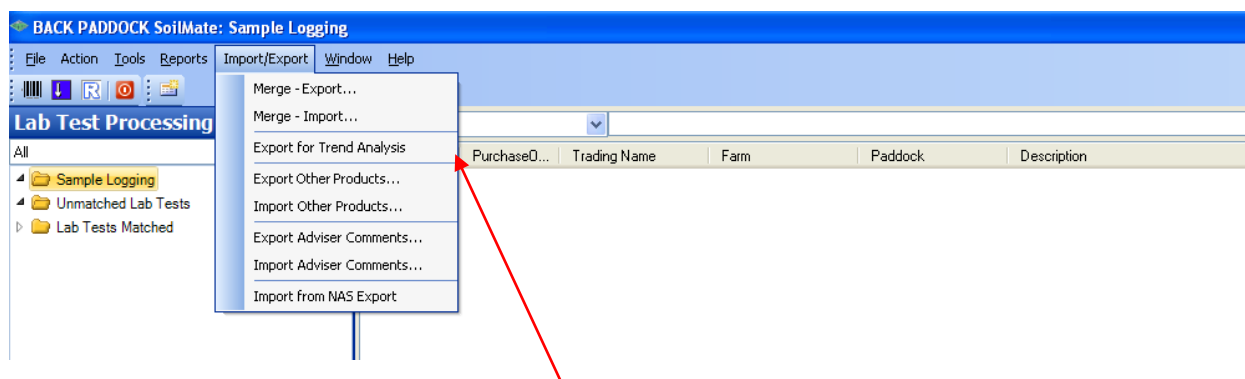
### Contact Us:

**Freecall Helpdesk:** 1800 557 166

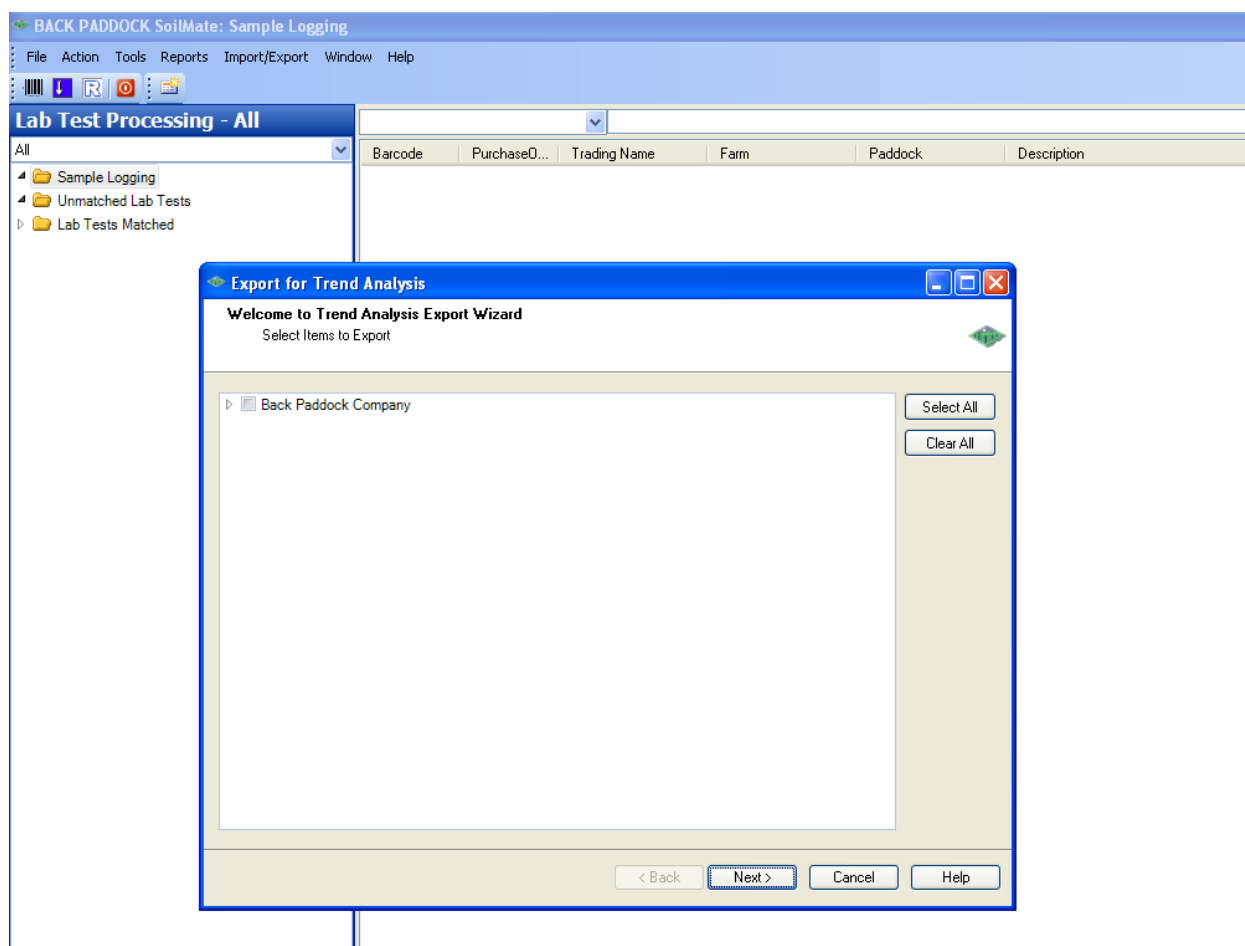
Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

Click on **Import/Export** and select **Export for Trend Analysis**



A screen will appear as **below**.



### **Contact Us:**

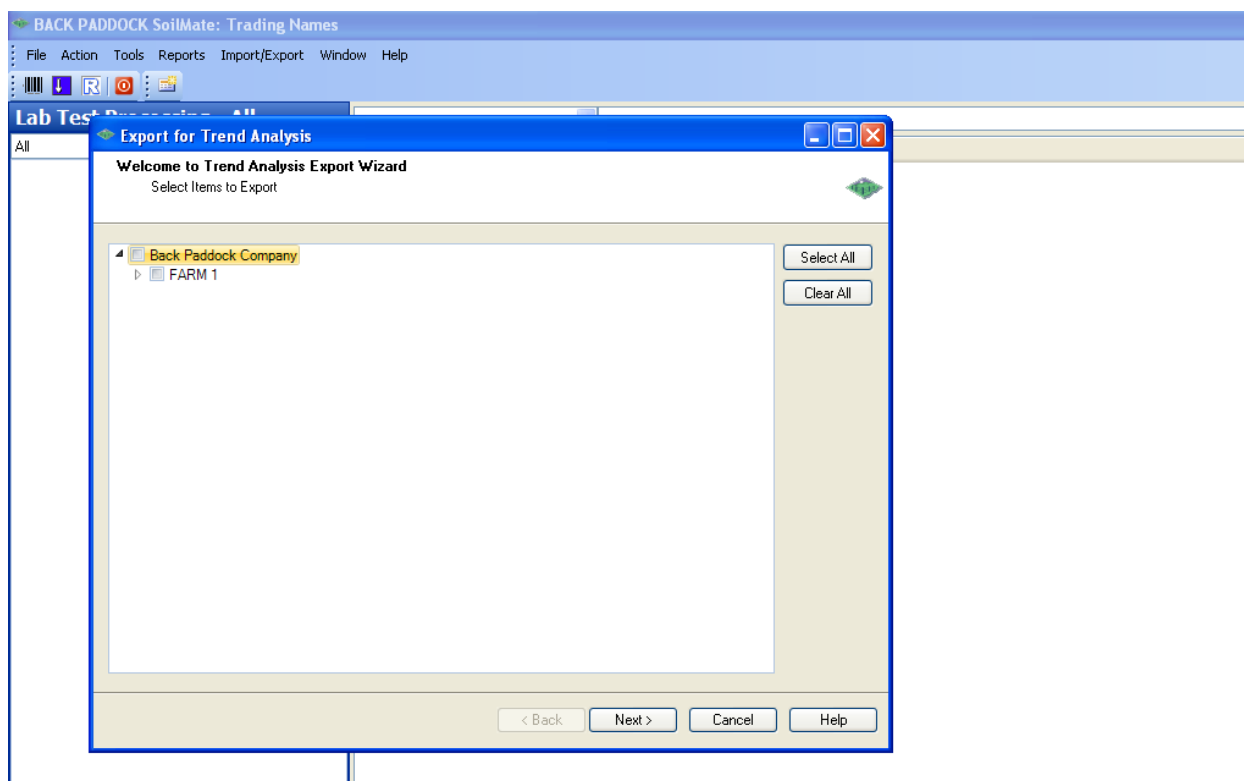
**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

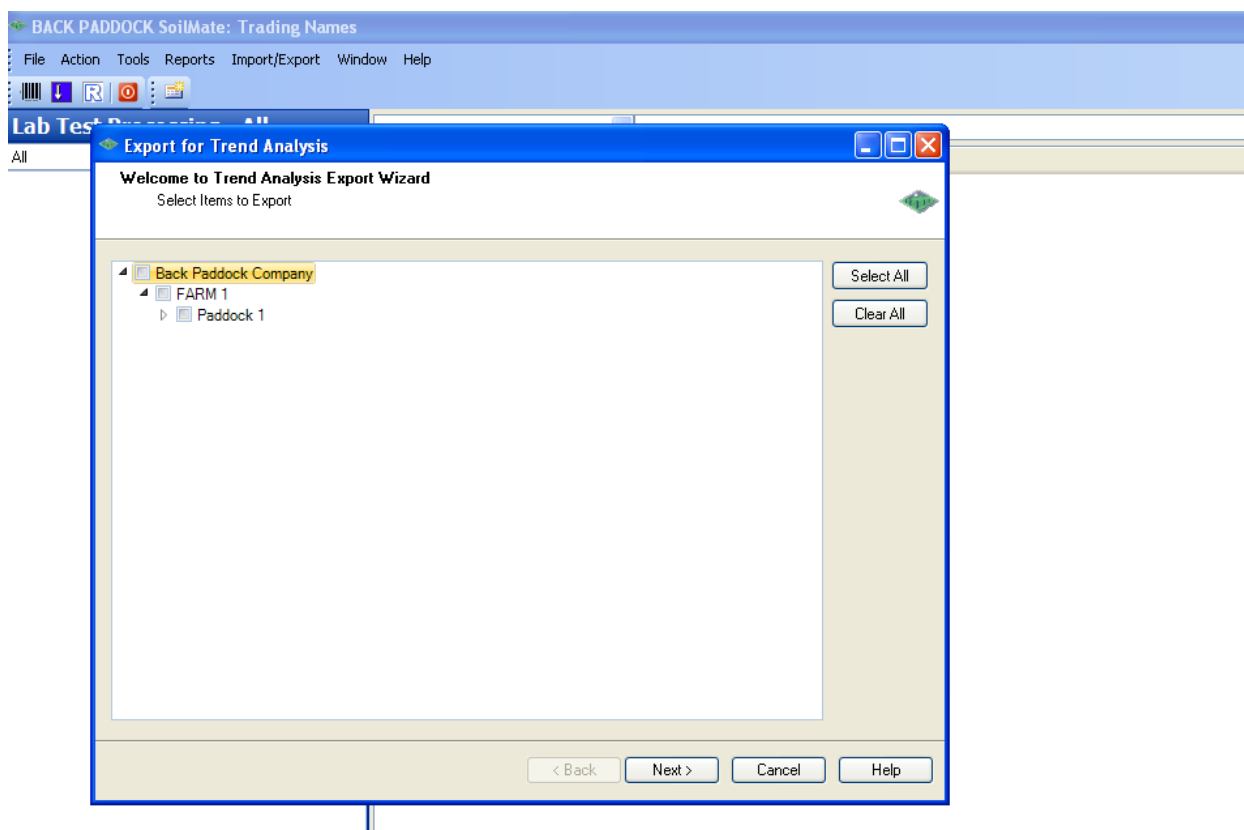
**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)



Click on ▸ opposite the **Trading Name** selected to show **farms**.



Click on ▸ opposite the **Farm Name** selected to show **paddocks**.



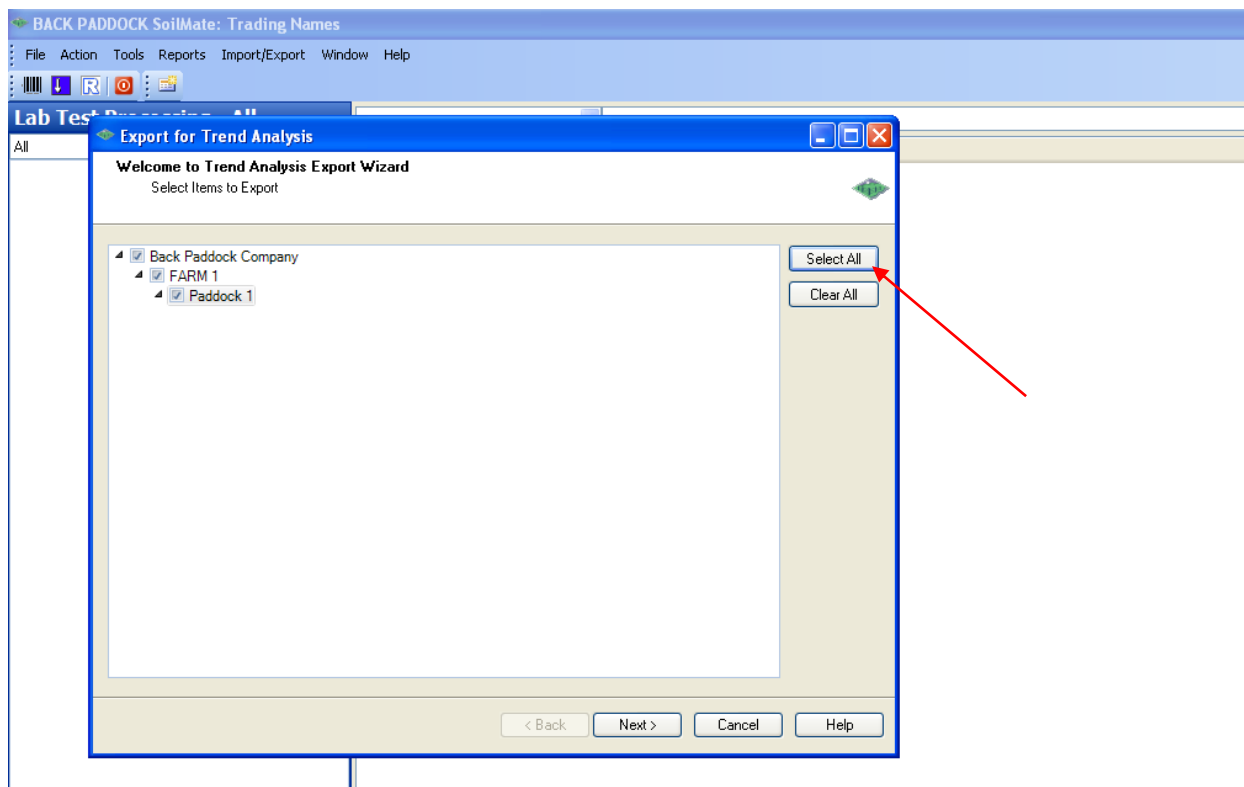
### **Contact Us:**

**Freecall Helpdesk:** 1800 557 166

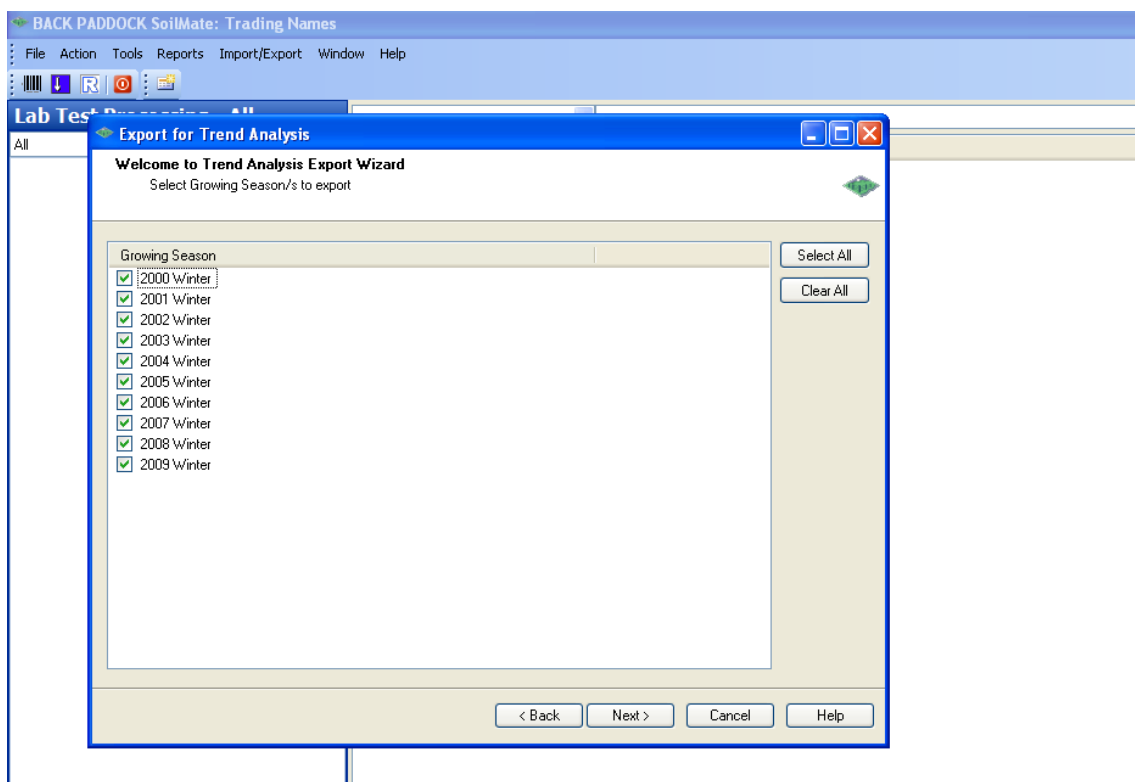
Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

Click on **Select All** if all paddocks are required or **tick the boxes manually** against **Trading Name**, **Farm Name** and **Paddocks** selected.



Click **Next** and **Growing Seasons** will appear. Tick boxes next to **Growing Seasons** required or click **Select All** if all seasons required.



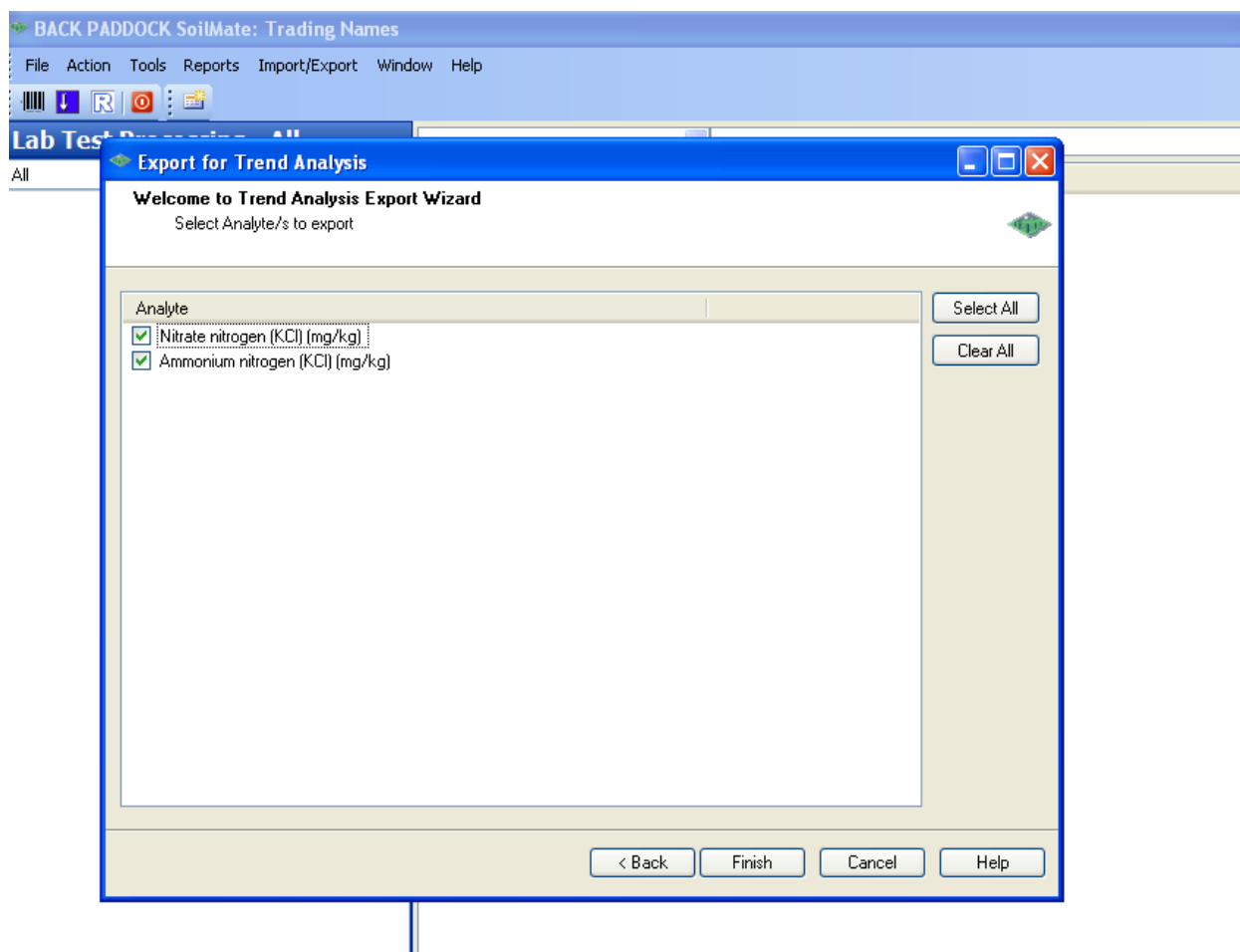
### Contact Us:

**Freecall Helpdesk:** 1800 557 166

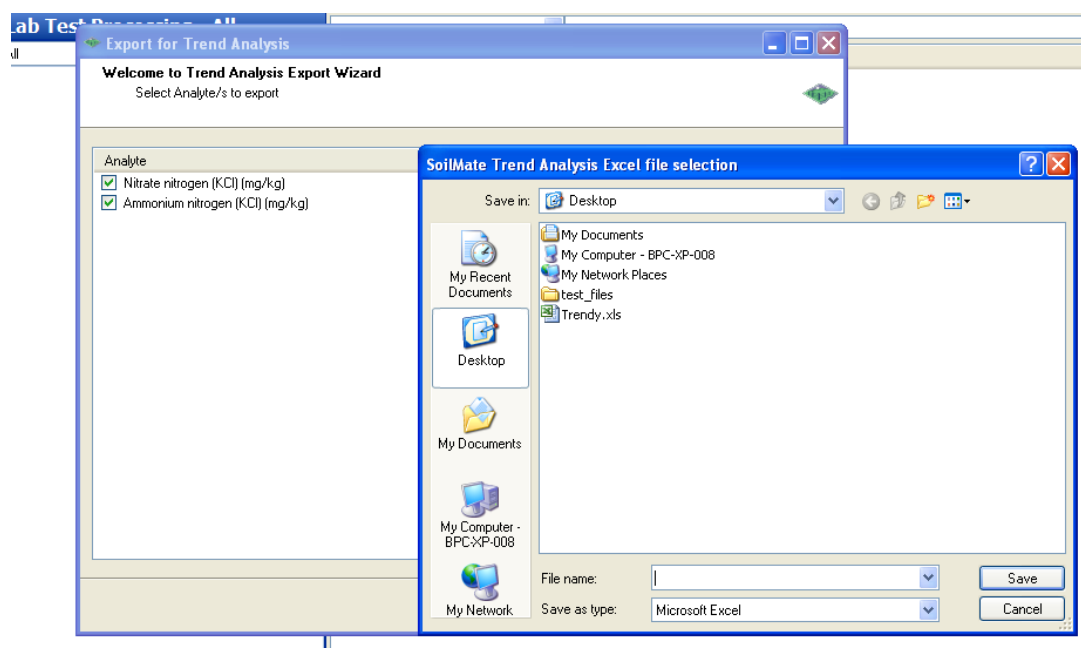
Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

Click **Next** and **Analytes** will appear. Tick boxes against the analytes you wish to select.



Click **Finish** and select where the **excel spreadsheet** created will be **saved**.



### Contact Us:

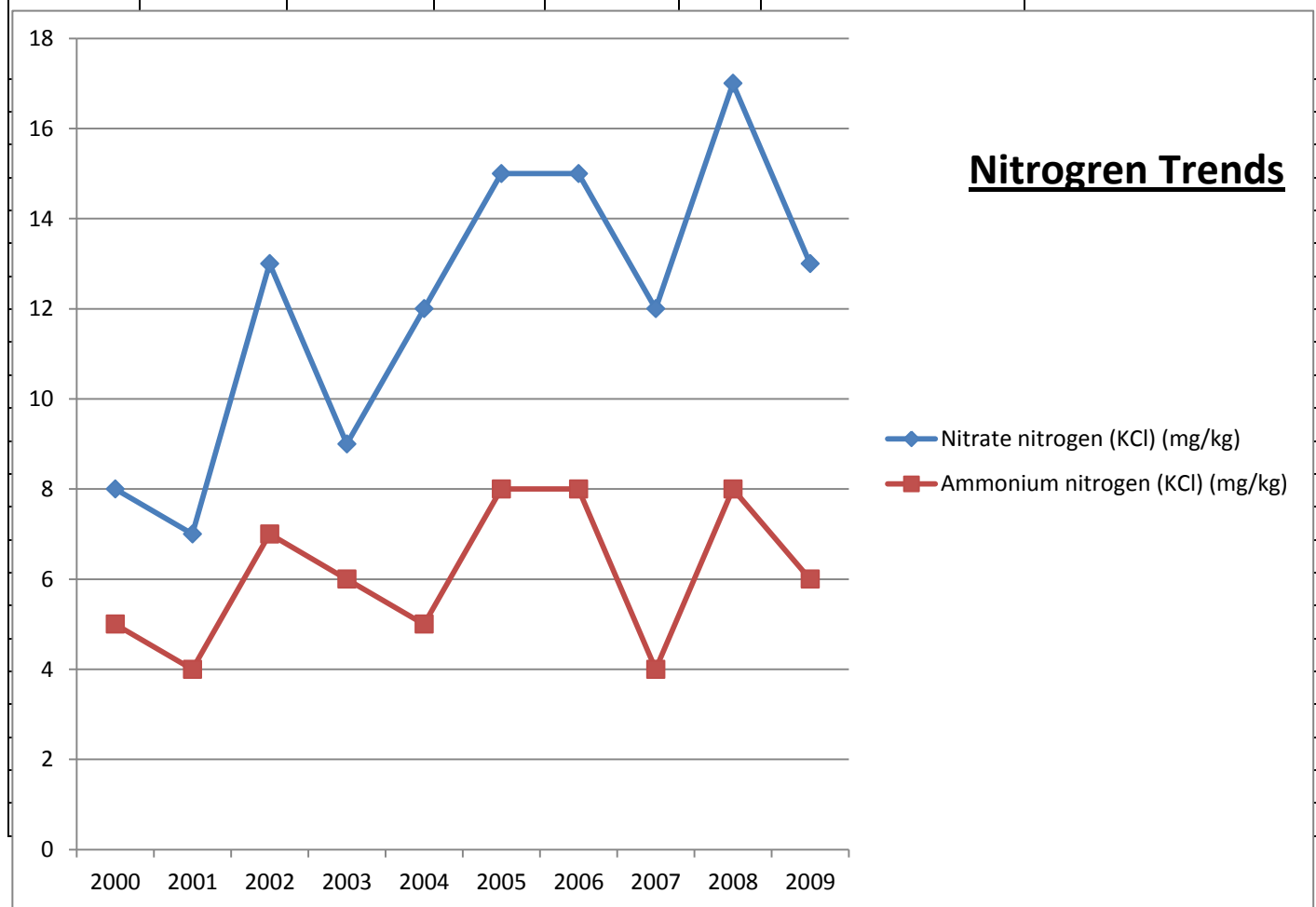
**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

Results can be displayed as a spreadsheet or graphed.

Trend Analysis Data for Trading Name: Back Paddock Company, Farm: FARM 1							
Paddock	LabTest	Barcode	Season	Depth	Year	Nitrate nitrogen (KCl) (mg/kg)	Ammonium nitrogen (KCl) (mg/kg)
Paddock 1	SM099991	SM099991	Winter	0.00 - 10.00	2000	8	5
	SM099992	SM099992	Winter	0.00 - 10.00	2001	7	4
	SM099990	SM099990	Winter	0.00 - 10.00	2002	13	7
	SM099993	SM099993	Winter	0.00 - 10.00	2003	9	6
	SM099994	SM099994	Winter	0.00 - 10.00	2004	12	5
	SM099995	SM099995	Winter	0.00 - 10.00	2005	15	8
	SM099996	SM099996	Winter	0.00 - 10.00	2006	15	8
	SM099997	SM099997	Winter	0.00 - 10.00	2007	12	4
	SM099998	SM099998	Winter	0.00 - 10.00	2008	17	8
	SM099999	SM099999	Winter	0.00 - 10.00	2009	13	6



**Contact Us:**

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Plant Tissue Test Examples

Tissue test results from tomatoes taken at weekly intervals.

Date	Nitrogen Total (Leco) % PTA	Critical N Lower	Critical N Upper	Nitrate Nitrogen mg/kg PTA	Phosphorus % PTA	N/P Ratio PTA	Potassium % PTA	N/K Ratio PTA	Sulfur % PTA
27-Apr	3.3	3.5	5.5	125	0.35	9.4	2.26	1.46	0.33
3-May	2.8	3.5	5.5	95	0.38	9.4	2.58	1.46	0.35
10 May	3.6	3.5	5.5	55	0.32	8.5	2.36	1.2	0.37
17 May	3	3.5	5.5	55	0.35	7.6	3.25	1.06	0.35

Date	N/S Ratio PTA	Calcium % PTA	Magnesium % PTA	Sodium % PTA	Copper mg/kg PTA	Zinc mg/kg PTA	Manganese mg/kg PTA	Iron mg/kg PTA	Boron mg/kg PTA
27-Apr	10	2.88	0.54	0.21	17	26	410	152	0.44
3-May	8	3.2	0.58	0.22	19	28	398	165	0.45
10 May	6.5	3	0.55	0.22	20	21	405	256	0.49
17 May	5.2	3.5	0.51	0.21	35	28	390	240	0.47

Date	Molybdenum ug/kg PTA								
27-Apr	1700								
3-May	1500								
10 May	1650								
17 May	1562								

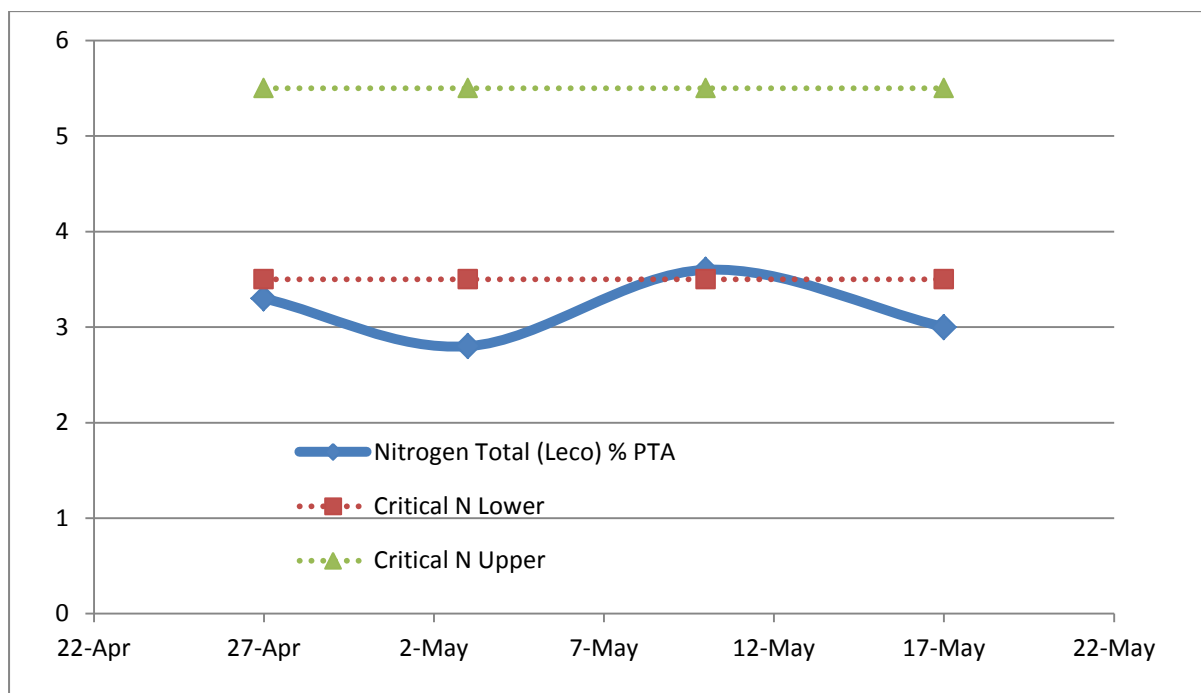
### Contact Us:

**Freecall Helpdesk:** 1800 557 166

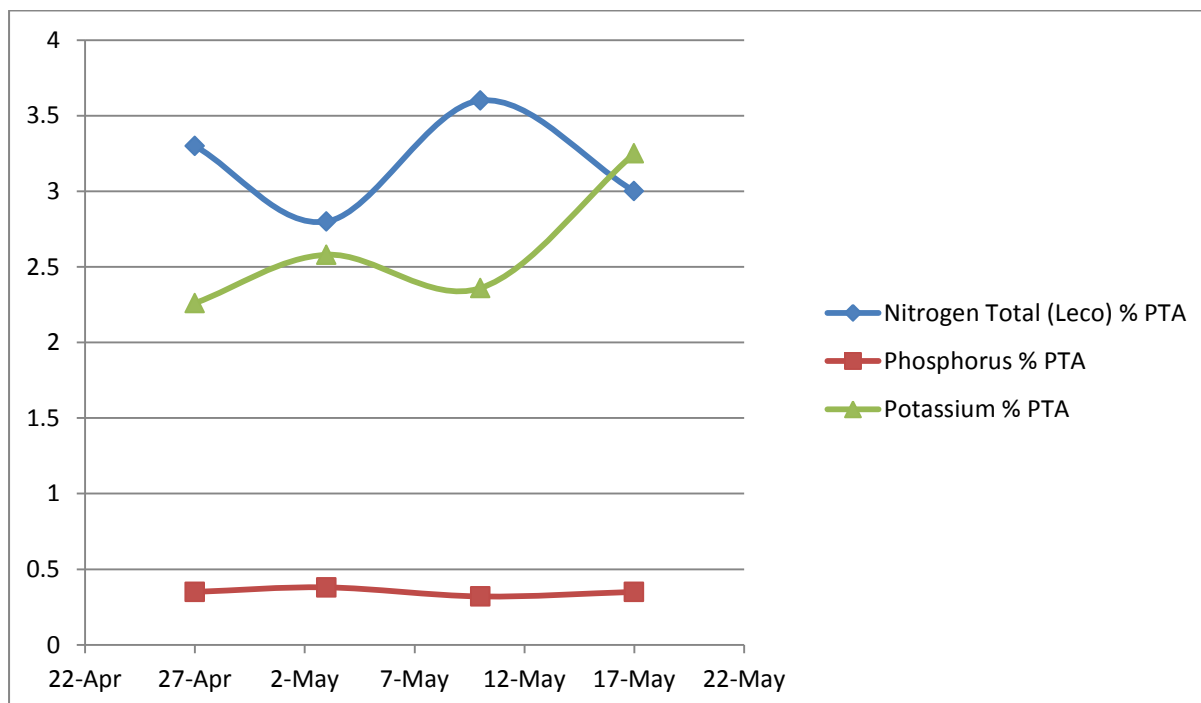
Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

### Critical N



### NPK



### Contact Us:

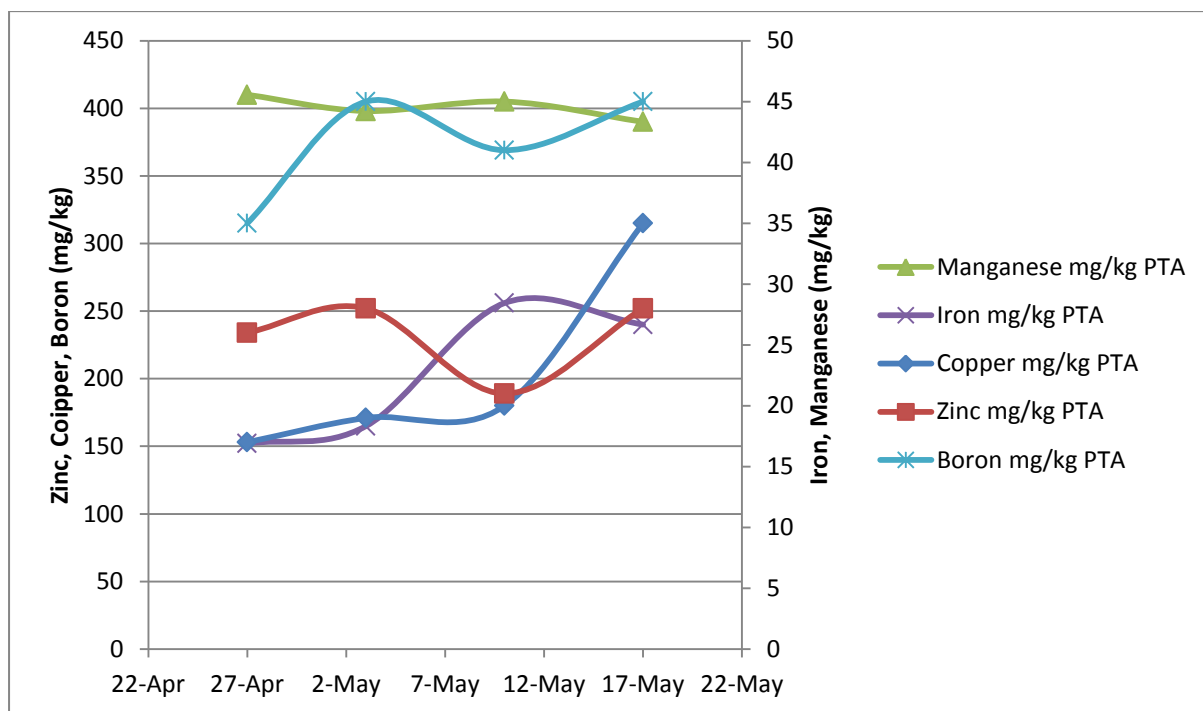
**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)



### Trace Elements



### Contact Us:

Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Blocked Lab Tests

Where information supplied in the purchasing system is different to what is supplied by the lab with the test results, access to the results will be blocked until the discrepancy is resolved. This will occur for both missing information and mismatched information, and in most cases can be resolved by you following the procedures outlined below.

HOME > SoilMate User Account > Lab Tests (Delivery and Download) | Integrity | Innovation | Mateshi

### SoilMate Lab Tests :

1 record(s) found.

<input type="checkbox"/>	Sample BarCode	Test Code	Test Type	Lab Received Date	Analysis Date	Upload Date	Purchase Order No	Status
<input type="checkbox"/>	SM999001	IP-SNB-06	Core Surface	24-Oct-2008	31-Oct-2008	10-Dec-2008	BPC-10098	Blocked

**Lab Test Search**

Status: Blocked

Sample BarCode:

[Search Now](#) [Clear Search](#)

**Summary**

[1 Available](#)  
[1 Blocked \(No matching PO\)](#)  
[1 Archived](#)  
[3 All](#)

The lab test search table on the right indicates that lab tests have been blocked. Lab tests may be blocked because:

1. There is no Purchase Order ( PO ),
  - a. PO was not prelogged
  - b. PO was not supplied by you when pre- logging
2. The PO has been under filled.
  - a. Not all testes ordered have been delivered
  - b. Discrepancy between the number of tests on the purchase order and/or Sample Information Form and/or samples delivered to the lab
3. No matching PO.
  - a. PO was supplied but not the same as on the Sample Order Form
  - b. PO supplied but entered incorrectly by the lab
4. The PO has been over filled.
  - a. Discrepancy between the number of tests on the purchase order and/or Sample Information Form and/or samples delivered to the lab

### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

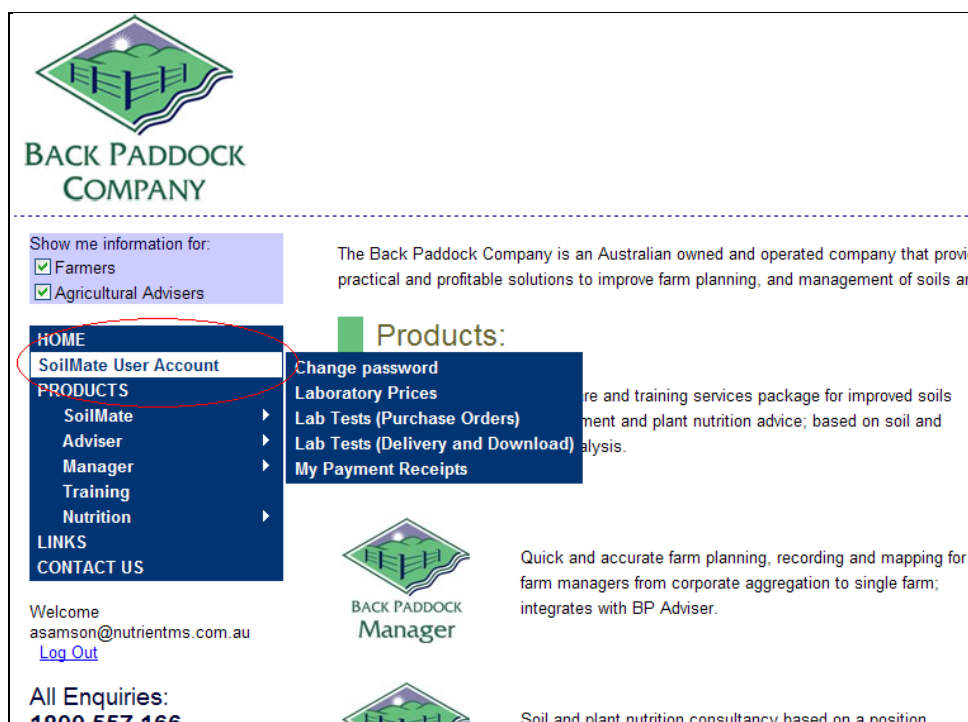
**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)



A blocked lab test will only become unblocked when identical matching occurs.

If the error is in the logged PO, then the user has the capability to correct the PO to match the delivered lab tests.

### 1. Proceed to Lab Tests ( Purchase Orders )



**BACK PADDOCK COMPANY**

Show me information for:  
☒ Farmers  
☒ Agricultural Advisers

The Back Paddock Company is an Australian owned and operated company that provides practical and profitable solutions to improve farm planning, and management of soils and

**HOME**  
**SoilMate User Account**  
**PRODUCTS**  
 SoilMate  
 Adviser  
 Manager  
 Training  
 Nutrition  
**LINKS**  
**CONTACT US**

**Products:**  
 Change password  
 Laboratory Prices  
 Lab Tests (Purchase Orders)  
 Lab Tests (Delivery and Download)  
 My Payment Receipts

Soil and plant nutrition consultancy based on a position

Welcome  
 asamson@nutrientms.com.au  
[Log Out](#)

**All Enquiries:**  
 1800 557 166

**BACK PADDOCK Manager**

Quick and accurate farm planning, recording and mapping for farm managers from corporate aggregation to single farm; integrates with BP Adviser.

If there have been blocked Lab Tests they will appear in the screens to the right of the following screen.



**HOME > SoilMate User Account > Lab Tests (Purchase Orders) | Integrity | Innovation | Mateship**

**SoilMate Purchase Orders :**

9 record(s) found.

Purchase Order No.	Laboratory	Quantity Ordered	PO Date	Status	Invoice No.
ARS-00001	SGS Agritech Laboratory	4	26-Nov-2008	Blocked (No Matching PO)	
GIE0017a			02-Dec-2008	Blocked (No Matching PO)	
ieb1	CSBP Soil & Plant Laboratory	4	02-Dec-2008	Blocked (No Matching PO)	
AS-12345	SGS Agritech Laboratory	3	02-Dec-2008	Blocked (No Matching PO)	
ikh	CSBP Soil & Plant Laboratory	4	02-Dec-2008	Blocked (No Matching PO)	
AS2468	Nutrient Advantage Laboratory Services	2	02-Dec-2008	Blocked (No Matching PO)	
ieb2	Nutrient Advantage Laboratory Services	12	02-Dec-2008	Blocked (No Matching PO)	
JB00123	Nutrient Advantage Laboratory Services	2	02-Dec-2008	Blocked (No Matching PO)	
ieb4	CSBP Soil & Plant Laboratory	66	02-Dec-2008	Blocked (No Matching PO)	

**Purchase Order Search**

Status: **Blocked (No Matching)**  
 Purchase Order No.:   
[Search Now](#)  
[Clear Search](#)

**Summary**

0 Unfiled  
 9 Blocked (No Matching PO)  
 3 Completed (Matched)  
 0 Completed (13-day rule)  
 12 All

**Impersonate User**

Username:   
[Impersonate](#)  
[Clear Impersonation](#)

[Add New Purchase Order](#)

### Contact Us:

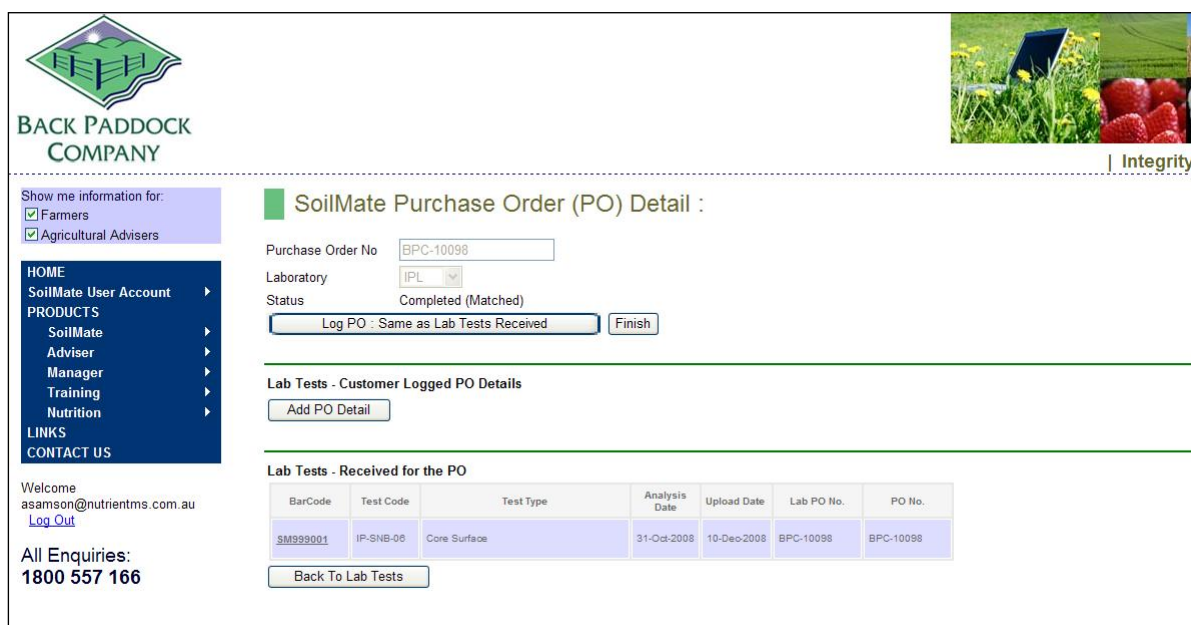
**Freecall Helpdesk: 1800 557 166**

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

## No Matching Purchase Order

If the blocked tests are because there is no matching PO click onto the PO number of the blocked test and the following screen will appear:



**BACK Paddock COMPANY**

Show me information for:  
☒ Farmers  
☒ Agricultural Advisers

HOME  
 SoilMate User Account  
 PRODUCTS  
 SoilMate  
 Adviser  
 Manager  
 Training  
 Nutrition  
 LINKS  
 CONTACT US

Welcome  
 asamson@nutrientms.com.au  
[Log Out](#)

All Enquiries:  
**1800 557 166**

**SoilMate Purchase Order (PO) Detail :**

Purchase Order No:   
 Laboratory:   
 Status: Completed (Matched)

**Lab Tests - Customer Logged PO Details**

**Lab Tests - Received for the PO**

BarCode	Test Code	Test Type	Analysis Date	Upload Date	Lab PO No.	PO No.
SM999001	IP-SNB-06	Core Surface	31-Oct-2008	10-Dec-2008	BPC-10098	BPC-10098

This screen gives you the choice to:

- Click onto Log PO: Same as Lab Tests Received which will automatically match the PO.
- Click Add PO Detail which enables you to enter the PO manually.

### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Purchase Order Under Filled

This may occur when some of the tests of a PO are delivered and some of the tests are still being processed. When this occurs the status in the table on the right of the screen will show unfilled.



**SoilMate Purchase Order**

1 record(s) found:

Purchase Order No.	Laboratory	Quantity Ordered	PO Date	Status	Invoice No.
BPS18883	IPN_TEST	2	27-Nov-2008	Unfilled	

**Purchase Order Search**

Status:

Purchase Order No:

[Search Now](#) [Clear Search](#)

**Summary**

1 Unfilled  
0 Blocked (No Matching PO)  
2 Completed (Matched)  
0 Completed (13-day rule)  
0 All

**Impersonate User**

Username:

[Impersonate](#) [Clear Impersonation](#)

[Add New Purchase Order](#)

When this occurs you proceed with payment of the delivered tests as per normal.

### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

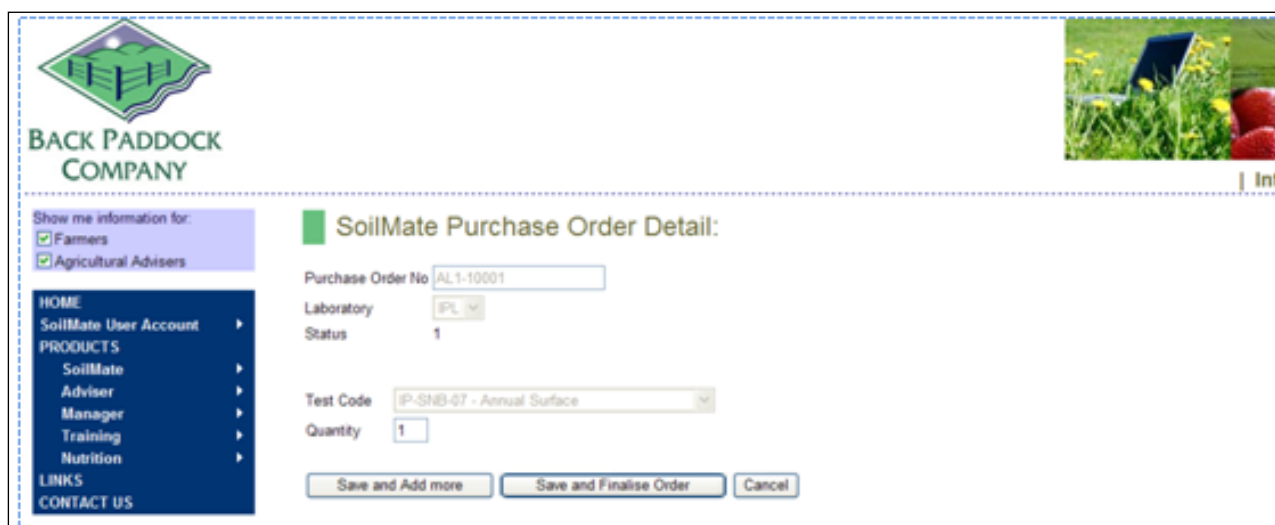
**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Purchase Order Overfilled

This situation will arise when the number of tests does not match the number for the PO. When this situation arises the status in the tables on the right of the screen will show overfilled.

The situation may be due to:

- Laboratory error. In this case ring the Help Desk, 1800 557 166 , who will get the laboratory to sort out the problem.
- User error. In this case select the test which has been overfilled and click on the test code.  
The following screen will appear:



BACK Paddock  
COMPANY

Show me information for:  
☒ Farmers  
☒ Agricultural Advisers

HOME  
 SoilMate User Account  
 PRODUCTS  
 SoilMate  
 Adviser  
 Manager  
 Training  
 Nutrition  
 LINKS  
 CONTACT US

**SoilMate Purchase Order Detail:**

Purchase Order No

Laboratory

Status

Test Code

Quantity

Go to the Quantity and change the number and the PO will then match.

### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Payment of Soil Tests

When soil tests are available you will receive an email. This e mail alert is sent out during the night of the day that the soil tests are received into the SoilMate system.

Dear [redacted]

You have new lab test results. Details of uploaded test results are as follows:

Available for payment and download: SM0001, SM00002  
Blocked: None

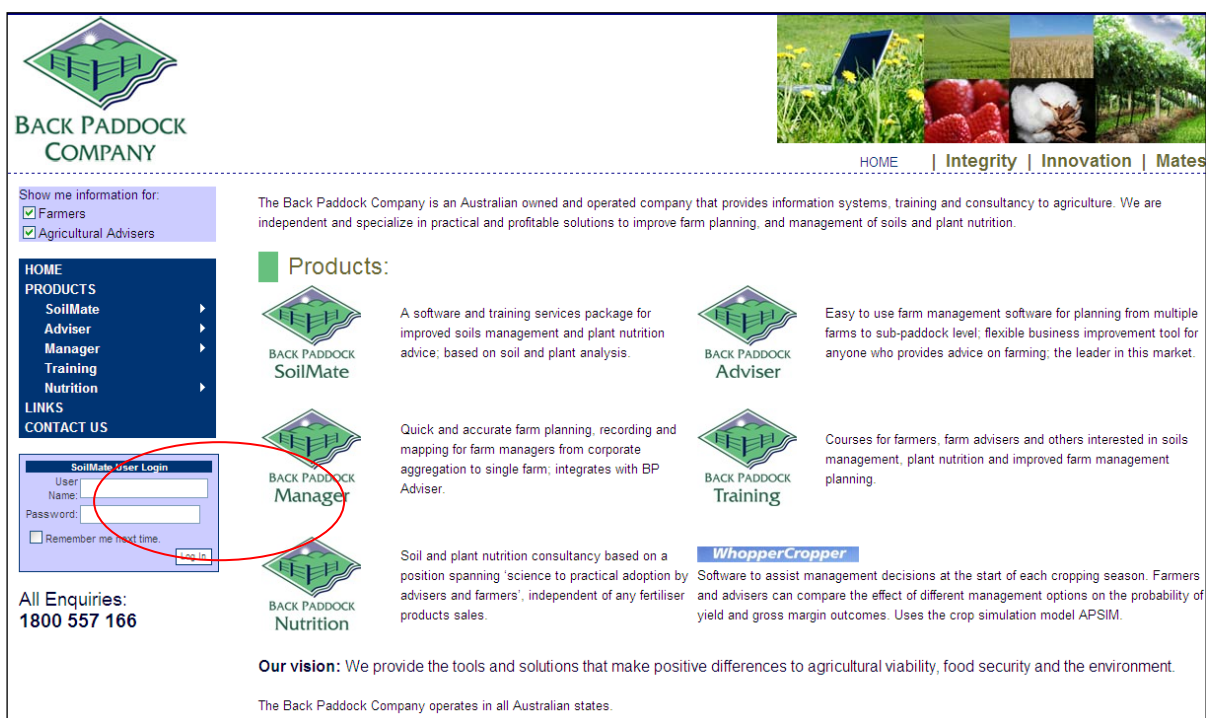
Please go to <http://www.backpaddock.com.au> and enter your payment details via our secure online payment facility. Upon payment confirmation, the lab results will be immediately sent to you via email and can be downloaded from our website at your convenience.

If barcodes are being blocked, kindly check whether a correct purchase order has been pre-logged into our system. To create or update a purchase order for a barcode that is blocked, go to the "SoilMate User Account" menu, under "Lab Tests (Delivery and Download)" and click on the barcode's Purchase Order No link.

Regards,

BACK PADDOCK COMPANY Pty Ltd  
1800 557 166  
[info@backpaddock.com.au](mailto:info@backpaddock.com.au)

Go to the Back Paddock website, [www.backpaddock.com.au](http://www.backpaddock.com.au)



**BACK PADDOCK COMPANY**

HOME | Integrity | Innovation | Mates

Show me information for:  
☒ Farmers  
☒ Agricultural Advisers

**HOME PRODUCTS**  
 SoilMate  
 Adviser  
 Manager  
 Training  
 Nutrition

**LINKS**  
**CONTACT US**

**SoilMate User Login**  
 User Name: [input]  
 Password: [input]  
☐ Remember me next time.

**All Enquiries:**  
**1800 557 166**

The Back Paddock Company is an Australian owned and operated company that provides information systems, training and consultancy to agriculture. We are independent and specialize in practical and profitable solutions to improve farm planning, and management of soils and plant nutrition.

**Products:**

**BACK PADDOCK SoilMate**  
 A software and training services package for improved soils management and plant nutrition advice; based on soil and plant analysis.

**BACK PADDOCK Adviser**  
 Easy to use farm management software for planning from multiple farms to sub-paddock level; flexible business improvement tool for anyone who provides advice on farming; the leader in this market.

**BACK PADDOCK Manager**  
 Quick and accurate farm planning, recording and mapping for farm managers from corporate aggregation to single farm; integrates with BP Adviser.

**BACK PADDOCK Training**  
 Courses for farmers, farm advisers and others interested in soils management, plant nutrition and improved farm management planning.

**BACK PADDOCK Nutrition**  
 Soil and plant nutrition consultancy based on a position spanning 'science to practical adoption by advisers and farmers', independent of any fertiliser products sales.

**WhopperCropper**  
 Software to assist management decisions at the start of each cropping season. Farmers and advisers can compare the effect of different management options on the probability of yield and gross margin outcomes. Uses the crop simulation model APSIM.

**Our vision:** We provide the tools and solutions that make positive differences to agricultural viability, food security and the environment.

The Back Paddock Company operates in all Australian states.


### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Log in



**BACK PADDOCK  
COMPANY**

---

Show me information for:

- ☒ Farmers
- ☒ Agricultural Advisers

The Back Paddock Company is an Australian owned and operated company that provides practical and profitable solutions to improve farm planning, and management of soils and

**Products:**

- Change password
- Laboratory Prices
- Lab Tests (Purchase Orders)
- Lab Tests (Delivery and Download)
- My Payment Receipts

Core and training services package for improved soils management and plant nutrition advice; based on soil and analysis.

**SoilMate User Account**

**PRODUCTS**

- SoilMate
- Adviser
- Manager
- Training
- Nutrition

**LINKS**

**CONTACT US**

Welcome  
asamson@nutrientms.com.au  
[Log Out](#)

**BACK PADDOCK  
Manager**

Quick and accurate farm planning, recording and mapping for farm managers from corporate aggregation to single farm; integrates with BP Adviser.

**Soil and plant nutrition consultancy based on a position**

**BACK PADDOCK  
SoilMate**

1. Click Lab Tests ( Delivery and Download )

[HOME](#) > [SoilMate User Account](#) > [Lab Tests \(Delivery and Download\)](#) | [Integrity](#)

**SoilMate Lab Tests :**

**Total Amount : \$425.25 (includes \$38.66 GST)**

[Proceed to Payment](#)

Sample BarCode	Test Code	Test Type	Lab Received Date	Analysis Date	Upload Date	Purchase Order No	Price	GST	Total	Status
SM100005	IP-SNB-01	Core Surface 1	24-Oct-2008	31-Oct-2008	27-Nov-2008	BPC-10005	\$137.57	\$13.76	\$151.33	Available
SM100004	IP-SNB-06	Core Surface	24-Oct-2008	31-Oct-2008	27-Nov-2008	BPC-10004	\$124.51	\$12.45	\$136.96	Available
SM100002	IP-SNB-06	Core Surface	24-Oct-2008	31-Oct-2008	27-Nov-2008	BPC-10002	\$124.51	\$12.45	\$136.96	Available

## Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

2. Once lab tests have been checked press proceed to payment

[HOME](#) > [SoilMate User Account](#) > [Payment Details](#) | [Integ](#)

### Payment Details :

\*All fields are mandatory

Payment Reference No.



Credit Card Number

CVV [\(what's this?\)](#)


Expiration  /

Credit Card Holder Name

Payment Amount  AUD

[Privacy Policy](#) [Terms and Conditions](#)



Back Paddock Co. uses SecurePay's Internet Payment Gateway to provide a secure environment for the authorisation of credit card transactions over the Internet. Confidential information including client credit card details are encrypted the moment they are transmitted from the client's browser to the banking network using industry standard SSL 128-bit RC4 encryption technology. A client's credit card details are not stored anywhere on the Internet and the only company who has access to this data is the merchant's bank. The bank also sends confirmation information via the same encryption technology back to the client's browser. These secure processes provide clients with peace of mind when purchasing online.  
Credit card details will not be forwarded to any other person, group, or organisation. All card numbers are taken offline once processed. Back Paddock Co. does not store credit card, debit card or bank account details.  
Upon payment confirmation, selected test results will be automatically sent to you via email. The tests will also be available for download from our website. Should you encounter problems obtaining the test results, feel free to contact our Helpdesk at 1800 557 166. Our refund policy is stated [here](#).

3. A screen to confirm payment will appear. This screen gives you the opportunity to confirm payment or to cancel and return to lab tests.

[HOME](#) > [SoilMate User Account](#)

### Confirm Your Transaction :

**Payment Details**

Card Holder Mr Alex Samson

Card Number 4444333322221111

Card Expiry 02/10

Transaction Amount 425.25 AUD

Payment Reference SOP-00168

### Contact Us:

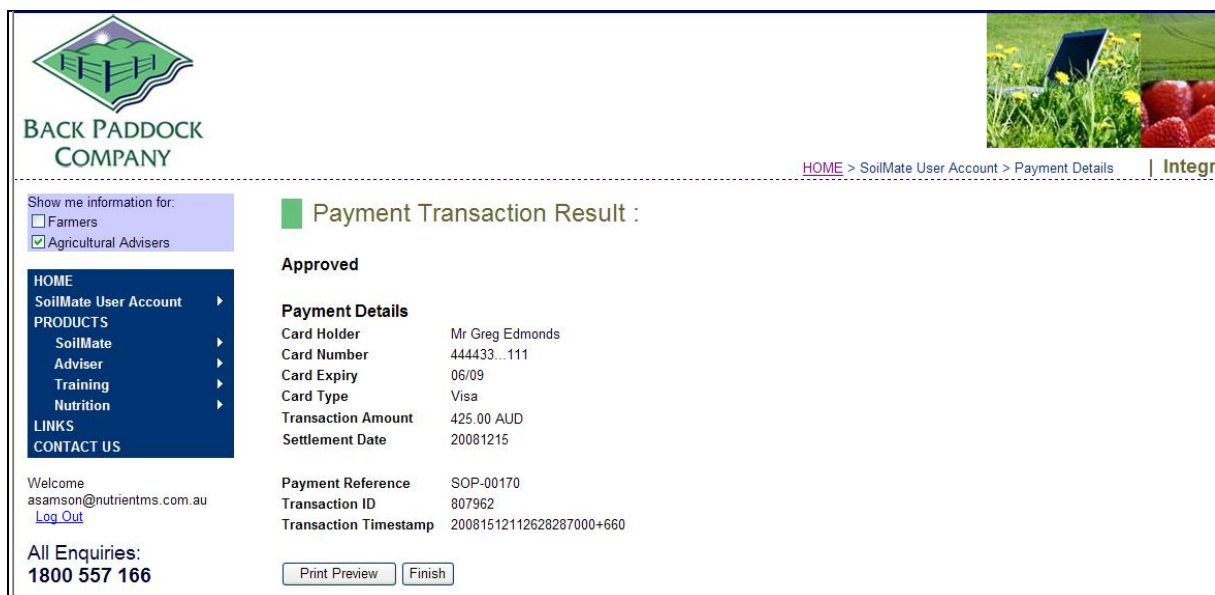
**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)



4. Upon successful payment the following screen will appear:



The screenshot shows the 'Payment Transaction Result' screen. At the top left is the Back Paddock Company logo. To the right is a small image of a field with a laptop and raspberries. Below the logo is a navigation menu with options: HOME, SoilMate User Account, PRODUCTS (SoilMate, Adviser, Training, Nutrition), LINKS, and CONTACT US. A 'Show me information for:' section has checkboxes for 'Farmers' and 'Agricultural Advisers'. The main content area is titled 'Payment Transaction Result' and shows 'Approved' status. It lists 'Payment Details' including Card Holder (Mr Greg Edmonds), Card Number (444433...111), Card Expiry (06/09), Card Type (Visa), Transaction Amount (425.00 AUD), and Settlement Date (20081215). It also shows 'Payment Reference' (SOP-00170), 'Transaction ID' (807962), and 'Transaction Timestamp' (20081512112628287000+660). At the bottom left, there is a 'Welcome' message and contact information. At the bottom right, there are 'Print Preview' and 'Finish' buttons.

5. With successful payment the following e mail is sent immediately:

Dear [Name],

Attached is your payment receipt summary and tax invoice for your recently downloaded laboratory tests.

Attached also is the SoilMate Lab file containing the lab results for each of the barcodes listed in the payment receipt summary. It is suggested that you save this file to a location of your choice for later use to import the lab results into the SoilMate software application.

To get the best results use only the latest SoilMate Software application and update regularly. Always take BOTH the SoilMate Application and the SoilMate Reference Data updates whenever you upgrade.

Upgrades are able to be taken from <http://www.backpaddock.com.au/smUpdates.aspx> at any time.

To check if you have the latest version of the SoilMate Software Application and Reference Data, in SoilMate click on the menu item Help > About.

Regards,

BACK PADDOCK COMPANY Pty Ltd  
Website - <http://www.backpaddock.com.au>  
email - [info@backpaddock.com.au](mailto:info@backpaddock.com.au)  
Ph - 1800 557 166

### Contact Us:

Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)



6. The attachment in the above e mail will look like this:

**BACK PADDOCK COMPANY Pty Ltd**

PO Box 823  
Cleveland QLD 4163

Tel: 07 3208 2123  
Fax: 07 3208 2135  
A.B.N. - 65 094 019 619

**STATEMENT NO: SOP-00170**

**BILL TO:**

PO Box 823  
CLEVELAND QLD 4163

Order No	BarCode	Payment Date	Supply Date	Description	Product Code	Quantity	Balance Due
BPC-10002	SM100002	15/12/2008	24/10/2008	Core Surface	IP-SNB-06	1	\$124.51
BPC-10004	SM100004	15/12/2008	24/10/2008	Core Surface	IP-SNB-06	1	\$124.51
BPC-10005	SM100005	15/12/2008	24/10/2008	Core Surface 1	IP-SSB-01	1	\$137.57
							<b>\$386.59</b>

**Payment Details**

Payment Mode Credit Card  
Payment Date 15-Dec-2008  
Amount \$425.00

*Thank you for your purchase. For assistance call 1800 557 166.*

<b>GST @ 10%</b>	<b>\$38.66</b>
<b>TOTAL</b>	<b>\$425.25</b>
<b>Less Payment</b>	<b>\$425.00</b>
<b>AMOUNT DUE</b>	<b>\$0.25</b>

**Contact Us:**

**Freecall Helpdesk: 1800 557 166**

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

## How add your logo to SoilMate reports

1. Go to the recommendation page and **click on Details and Reports** situated at the top of the screen.

Recommendation: Avonlea, Paddock 1 - gycjvbkbbhl

[Evaluation](#)
[Recommendation](#)
[Details & Reports](#)

Evaluation	Cotton Irrigated- Dalby and Western Downs, Queensland	
Paddock	Paddock 1	
Paddock Section	All of Paddock 1	
Area	100	
Profile Sampled	0-10	
Texture	Sandy Loam	
Colour	Brown	

	Value	Rate
pH (1:5 CaCl2)	5.1	
pH (1:5 H2O)	6.2	
EC (1:5 H2O) (dS/m)	0.04	
EC (dS/m)	0.4	
EC (se) (dS/m) (Cladj)	0.4	
Electrochemical Stability Index	0.006	
Organic carbon (Walkley Black) (%)	0.82	
NITROGEN		289
Nitrate nitrogen (KCl) (mg/kg)	4	210
Ammonium nitrogen (KCl) (mg/kg)	1	
PHOSPHORUS		
Phosphorus (Colwell) (mg/kg)	59	
Phosphorus Buffer Index (PBI)	60.0	
POTASSIUM		150
Potassium (Ammon-acet) (mmol/100m)	0.06	

Comments

[A](#)
[B](#)
[I](#)
[U](#)
[List](#)
[Table](#)
[Print](#)
[Copy](#)
[Paste](#)
[Comment](#)

2. The following screen will appear:

Recommendation: Avonlea, Paddock 1 - gycjvbkbbhl

[Evaluation](#)
[Recommendation](#)
[Details & Reports](#)

Recommendation Name: gycjvbkbbhl

Recommendation Status

Current Status: Draft Program Change Status

Reports

Report	Insert Page Break Before Item
<input checked="" type="checkbox"/> Grower, Adviser and Sample Details	<input type="checkbox"/>
<input checked="" type="checkbox"/> Analysis Results	<input type="checkbox"/>
<input checked="" type="checkbox"/> Evaluation - Statuses	<input type="checkbox"/>
<input checked="" type="checkbox"/> Nutrient Requirements	<input type="checkbox"/>
<input checked="" type="checkbox"/> Nutrient Rates In Product Recommendation	<input type="checkbox"/>
<input checked="" type="checkbox"/> Evaluation - Graphical	<input type="checkbox"/>
<input checked="" type="checkbox"/> Recommendation	<input type="checkbox"/>
<input checked="" type="checkbox"/> Nutrient Rates In Product Recommendation	<input type="checkbox"/>
<input checked="" type="checkbox"/> Recommendation Comments	<input type="checkbox"/>

[Preview](#)
[Print](#)
[Export](#)
[Email](#)
[Options](#)
[Default](#)
[User Default](#)
[Report Type](#) Short

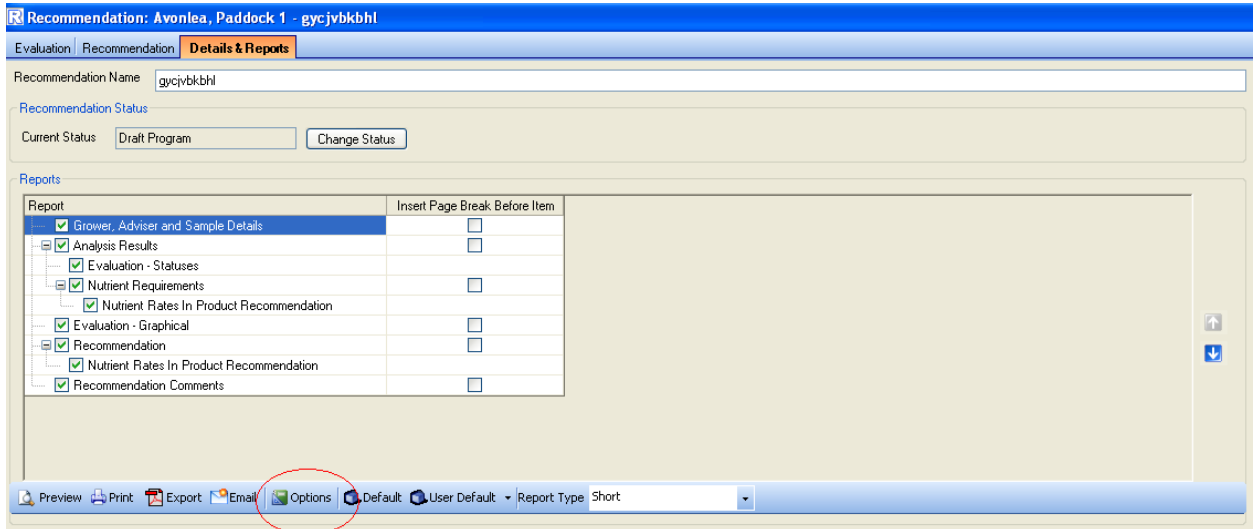
### Contact Us:

Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

### 3. Click on Options



Recommendation: Avonlea, Paddock 1 - gycjvbkhl

Evaluation | Recommendation | **Details & Reports**

Recommendation Name: gycjvbkhl

Recommendation Status

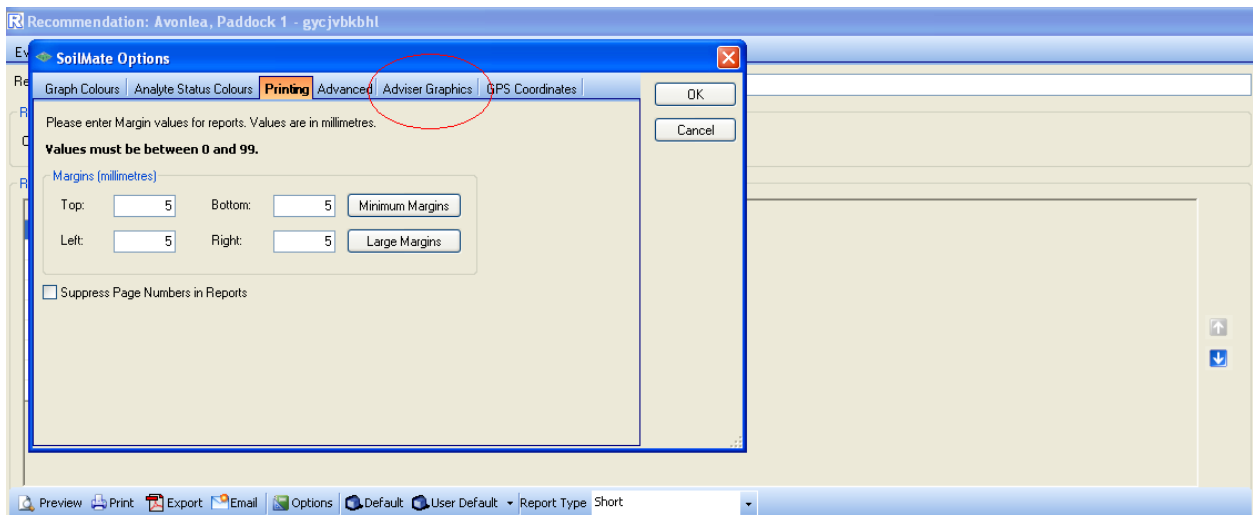
Current Status: Draft Program Change Status

Reports

Report	Insert Page Break Before Item
<input checked="" type="checkbox"/> Grower, Adviser and Sample Details	<input type="checkbox"/>
<input checked="" type="checkbox"/> Analysis Results	<input type="checkbox"/>
<input checked="" type="checkbox"/> Evaluation - Statuses	<input type="checkbox"/>
<input checked="" type="checkbox"/> Nutrient Requirements	<input type="checkbox"/>
<input checked="" type="checkbox"/> Nutrient Rates In Product Recommendation	<input type="checkbox"/>
<input checked="" type="checkbox"/> Evaluation - Graphical	<input type="checkbox"/>
<input checked="" type="checkbox"/> Recommendation	<input type="checkbox"/>
<input checked="" type="checkbox"/> Nutrient Rates In Product Recommendation	<input type="checkbox"/>
<input checked="" type="checkbox"/> Recommendation Comments	<input type="checkbox"/>

Preview | Print | Export | Email | **Options** | Default | User Default | Report Type: Short

### 4. Click Adviser Graphics



Recommendation: Avonlea, Paddock 1 - gycjvbkhl

SoilMate Options

Graph Colours | Analyte Status Colours | **Printing** | Advanced | **Adviser Graphics** | GPS Coordinates

Please enter Margin values for reports. Values are in millimetres.

Values must be between 0 and 99.

Margins (millimetres)

Top: 5 Bottom: 5 Minimum Margins

Left: 5 Right: 5 Large Margins

☐ Suppress Page Numbers in Reports

OK Cancel

Preview | Print | Export | Email | Options | Default | User Default | Report Type: Short

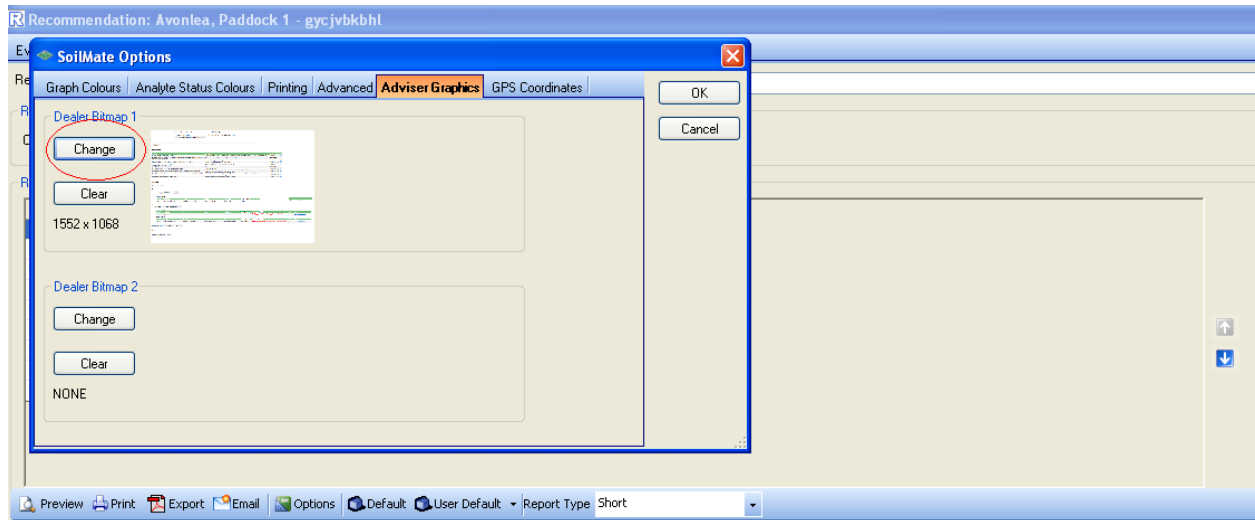
### Contact Us:

Freecall Helpdesk: 1800 557 166

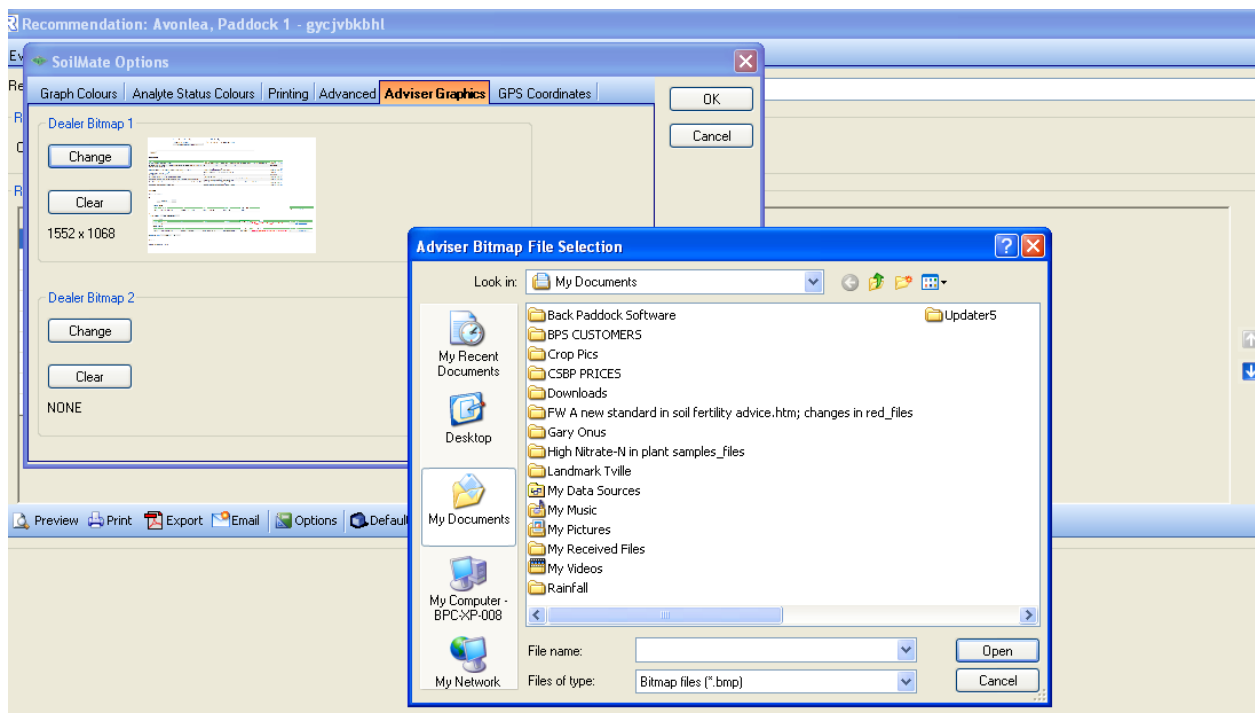
Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

## 5. Click Change



## 6. The following screen will appear to allow you to import your logo.



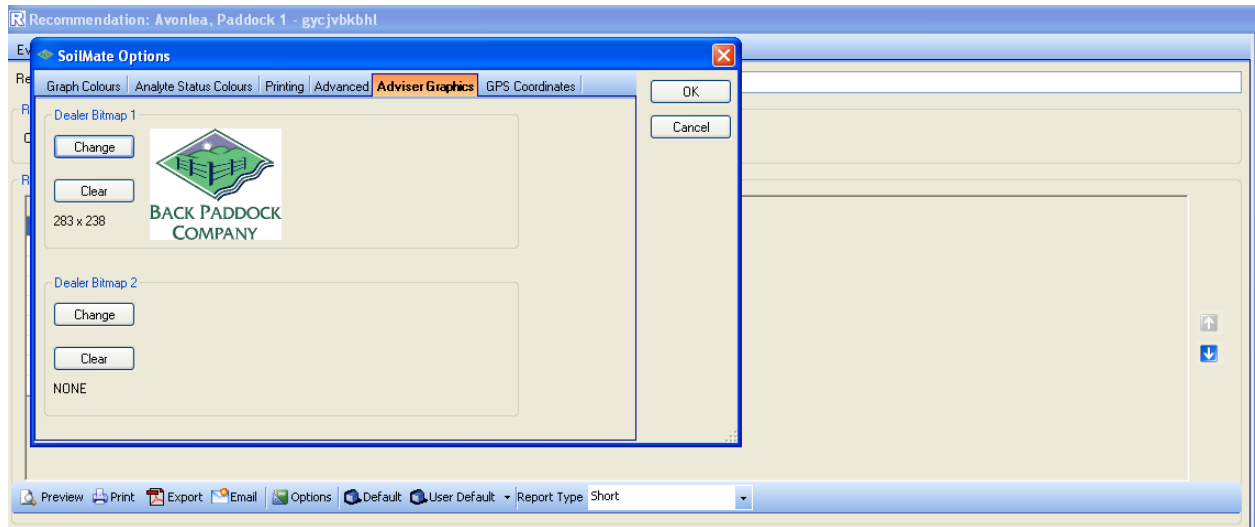
## Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

7. Once logo has been imported the screen will be as below.



8. Click OK and your logo will appear on your reports.

**Contact Us:**

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Soil Ammendment Model

The Soil Ammendment Model has been developed for acid and sodic dispersive soils. For an acidic soil a rate of lime will appear in the recommendation section of SoilMate:

Recommendation: FARM 1, Paddock 1 - wrymymn		
Evaluation	Wheat Raingrown South West Slopes (North-Temora) NSW	
Paddock	Paddock 1	
Paddock Section	All of Paddock 1	
Area	100	
Profile Sampled	0-10	
Texture	Loamy Sand	
Colour		
	Value	Rate
NITROGEN		146
Nitrate nitrogen (KCl) (mg/kg)	5	80
Ammonium nitrogen (KCl) (mg/kg)	2	
PHOSPHORUS		25
Phosphorus (Colwell) (mg/kg)	11	
Phosphorus Buffer Index (PBI)	55.0	
POTASSIUM		
SULFUR		10
Sulfur (KCl-40) (mg/kg)	8.0	
LIME		2198
Exch. Ca (BaCl <sub>2</sub> /NH <sub>4</sub> Cl) (meq/100g)	5.00	
CALCIUM		
Exch. Mg (BaCl <sub>2</sub> /NH <sub>4</sub> Cl) (meq/100g)	1.20	
MAGNESIUM		
Exch. K (BaCl <sub>2</sub> /NH <sub>4</sub> Cl) (meq/100g)	0.80	
Comments		

For a sodic dispersive soil the rate of Gypsum will appear in the recommendation section of SoilMate.

Recommendation: FARM 1, Paddock 1 - HERJHNet		
Evaluation	Wheat SA Upper SE (Bordertown) Heavy clay/loam	
Paddock	Paddock 1	
Paddock Section	All of Paddock 1	
Area	100	
Profile Sampled	0-10	
Texture	Heavy Clay	
Colour		
	Value	Rate
Exch. Mg (BaCl <sub>2</sub> /NH <sub>4</sub> Cl) (meq/100g)	17.00	
MAGNESIUM		
Exch. K (BaCl <sub>2</sub> /NH <sub>4</sub> Cl) (meq/100g)	1.00	
Exch. Na (BaCl <sub>2</sub> /NH <sub>4</sub> Cl) (meq/100g)	4.00	
Aluminium (KCl) meq/100g	0.0	
ECEC (meq/100g)	52.0	
Exch. magnesium %	32.7	
Exch. sodium %	7.7	
Dispersion Index (Loveday/Pyle)	10.0	
GYPSUM		2393
Copper (DTPA) (mg/kg)	6.0	
COPPER		
ZINC		2.5
Zinc (DTPA) (mg/kg)	0.5	
Manganese (DTPA) (mg/kg)	12.0	
Comments		

The Soil Ammendment Model is used to query how rates of lime, gypsum and a mixture of the two is arrived at. The model has two sub models:

- LimeMate
- SodiCalc

### Contact Us:

Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

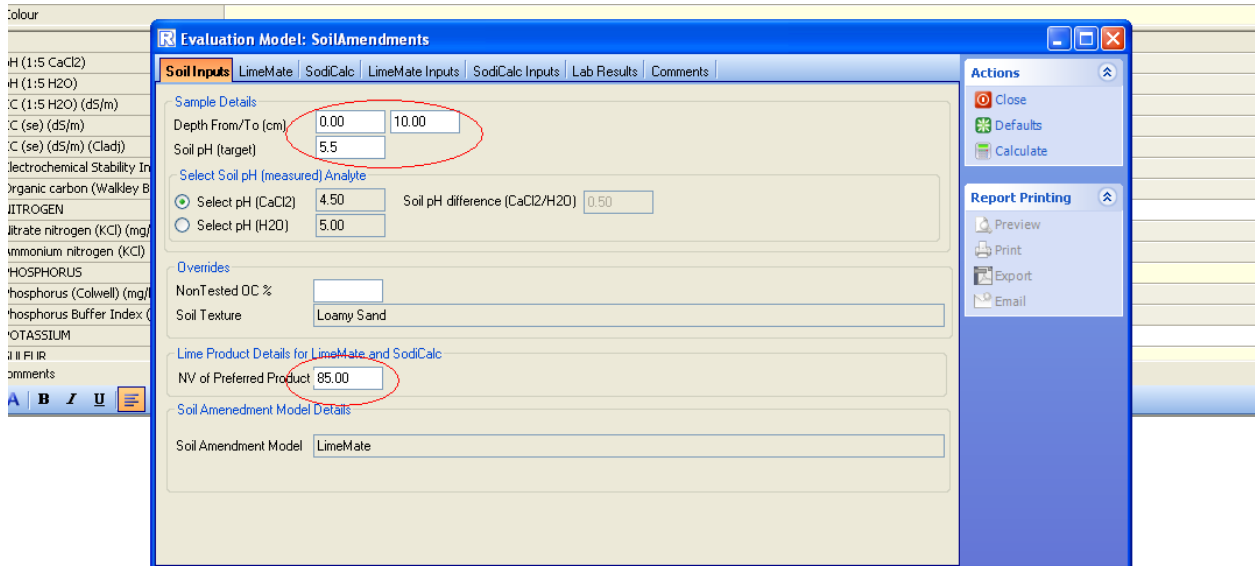
Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

## LimeMate

This model has several default values and if changed the changed values then become the default values.

### Default Values

1. pH 5.5 CaCl<sub>2</sub>
2. Depth 10 cm
3. Neutralising value 85%

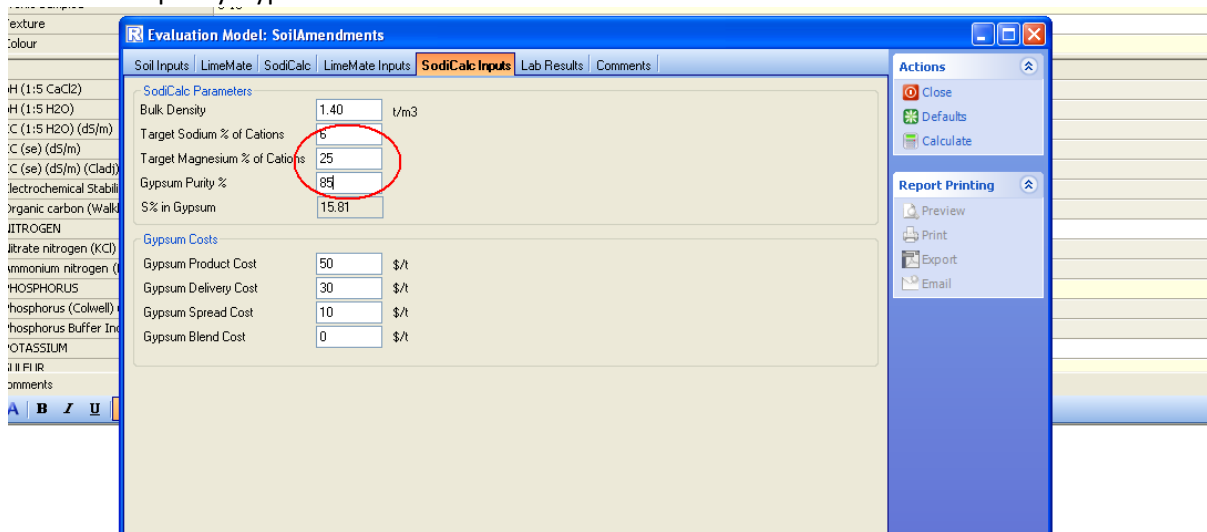


## SodiCalc

This model has several default values and if changed the changed values become the default values.

### Default Values

1. 6% for Na cations
2. 25% for Mg cations
3. Depth 10cm
4. 85% purity Gypsum



## Contact Us:

Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

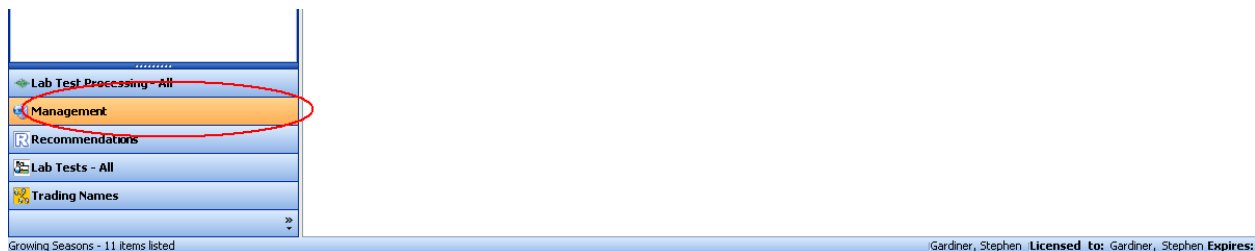
Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Setting up the Ammendment Model

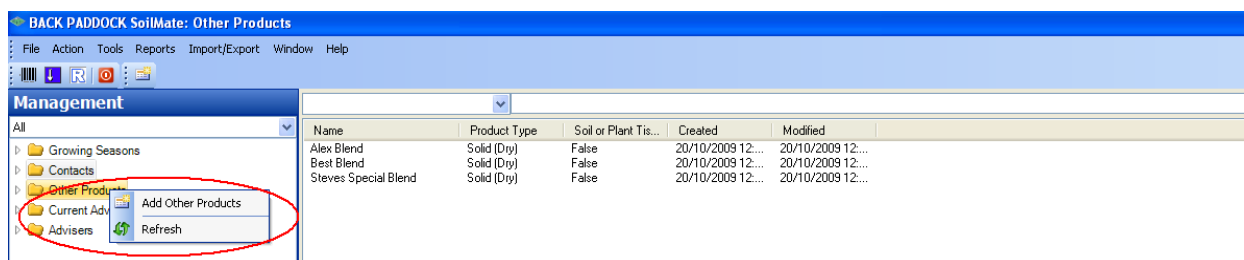
### Products

Although there is Gypsum and Lime in the product database it is strongly recommended that the Lime and Gypsum that is used locally be added to the product list.

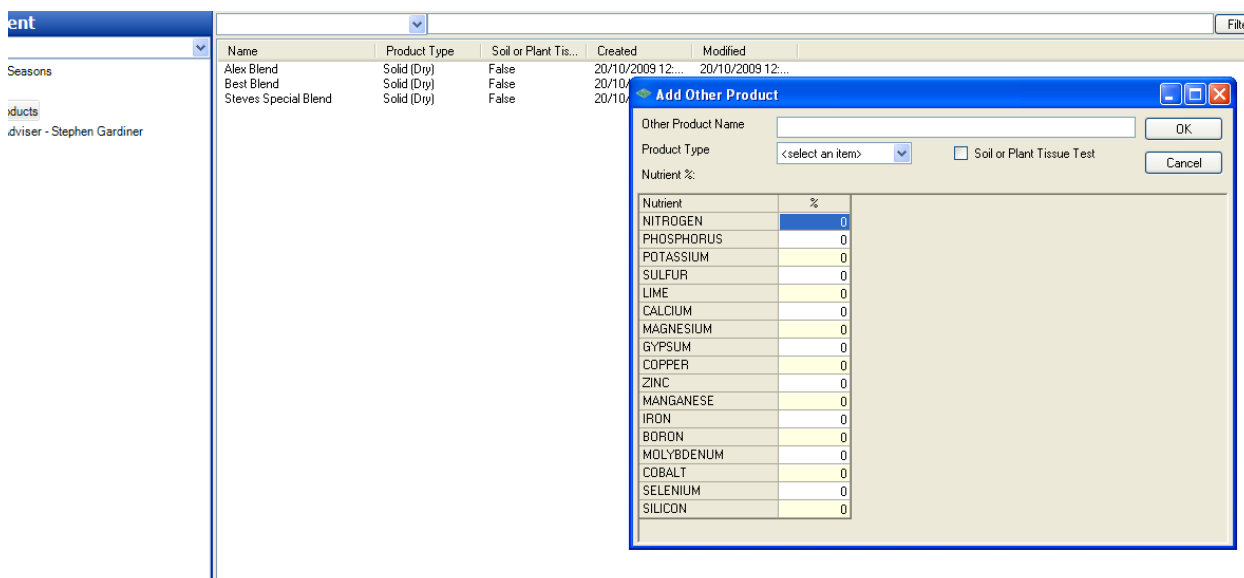
1. **Click on the Management tab** in the bottom left hand corner of the screen.



2. **Right Click on other products**



3. **Click on Add Other Products**



### Contact Us:

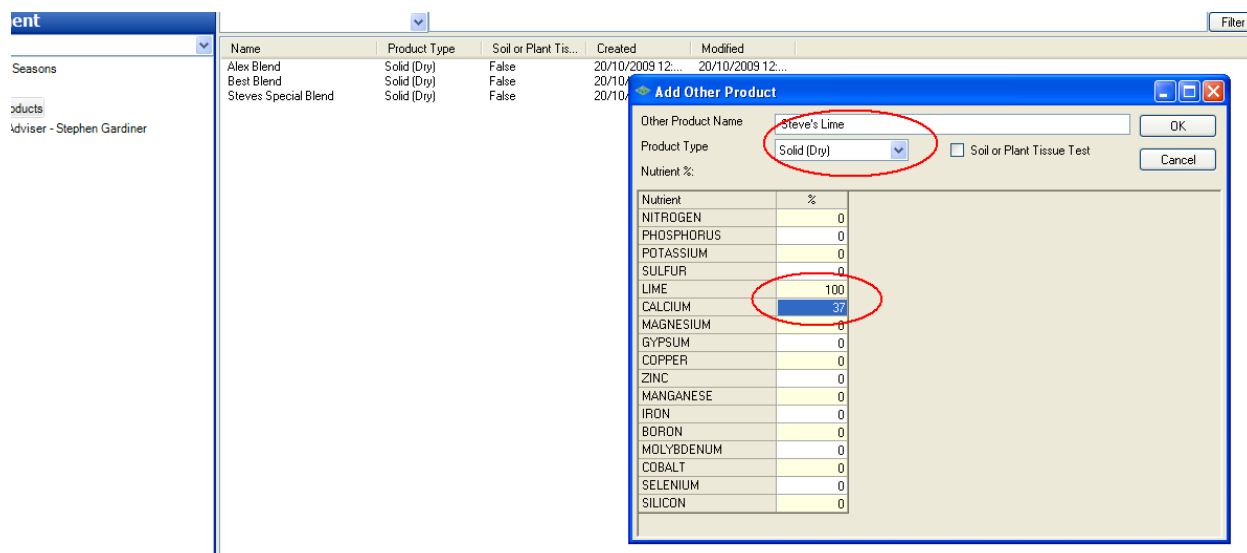
**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

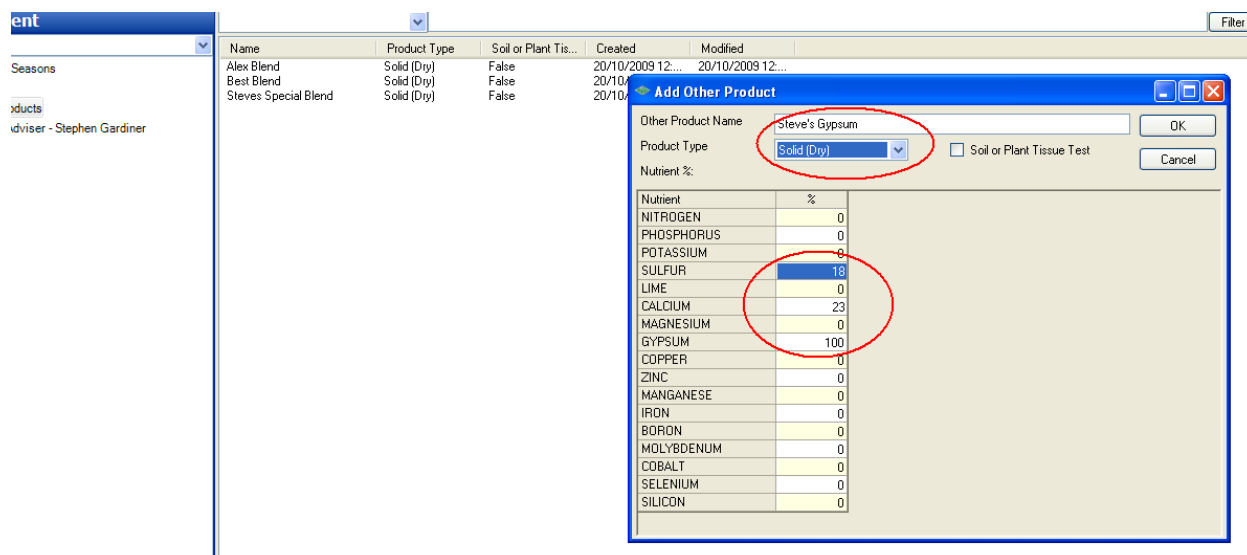


4. Add:
- Product Name
  - Product Type
  - Lime put in 100%
  - Lime put in Ca Content



Nutrient	%
NITROGEN	0
PHOSPHORUS	0
POTASSIUM	0
SULFUR	0
LIME	100
CALCIUM	37
MAGNESIUM	0
GYPSPUM	0
COPPER	0
ZINC	0
MANGANESE	0
IRON	0
BORON	0
MOLYBDENUM	0
COBALT	0
SELENIUM	0
SILICON	0

- Gypsum put in 100%
- Gypsum put in Ca %
- Gypsum put in S %



Nutrient	%
NITROGEN	0
PHOSPHORUS	0
POTASSIUM	0
SULFUR	18
LIME	0
CALCIUM	23
MAGNESIUM	0
GYSPUM	100
COPPER	0
ZINC	0
MANGANESE	0
IRON	0
BORON	0
MOLYBDENUM	0
COBALT	0
SELENIUM	0
SILICON	0

### Contact Us:

Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

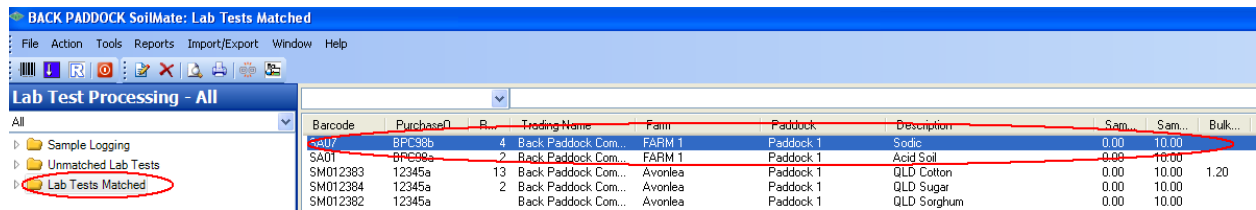
Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Recommendations

### Soil Texture

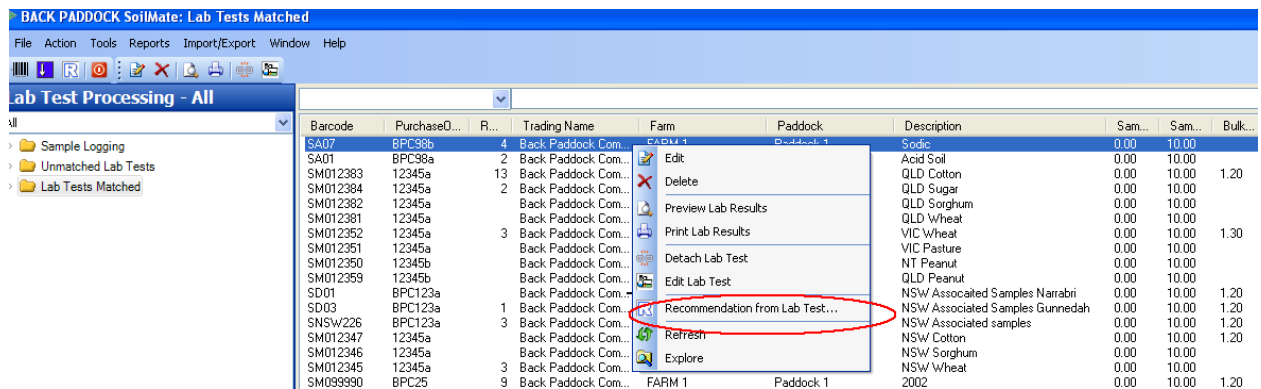
For the model to work the soil texture needs to be filled in. If the test carried out does not have texture then it can be added in :

1. Click on **Lab Tests Matched** and highlight required test



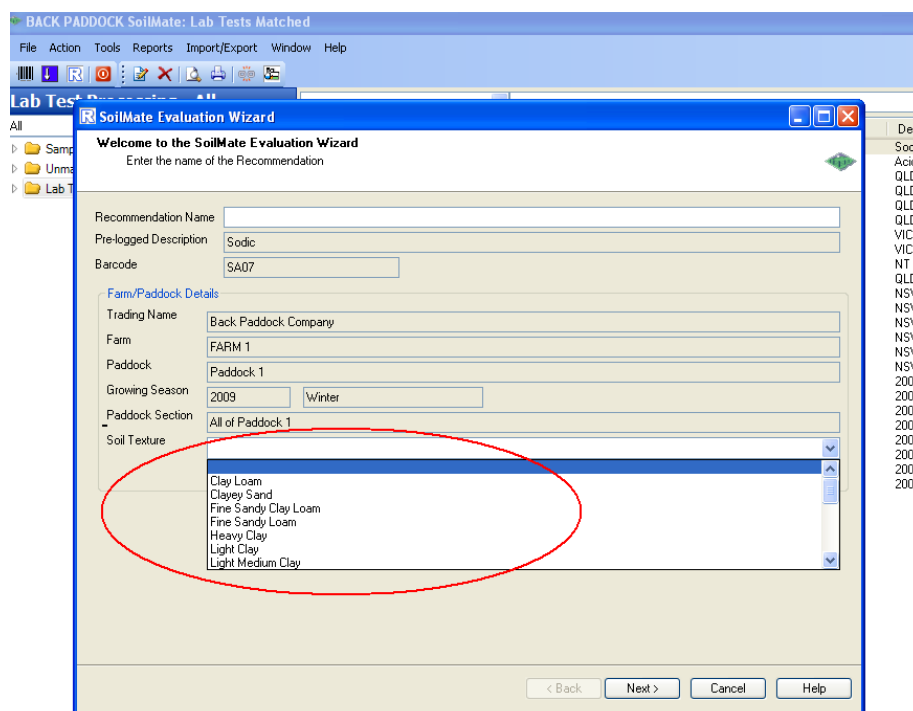
Barcode	Purchase Order	R...	Trading Name	Farm	Paddock	Description	Sam...	Sam...	Bulk...
SA07	BPC98b	4	Back Paddock Com...	FARM 1	Paddock 1	Sodic	0.00	10.00	
SA01	BPC98b	2	Back Paddock Com...	FARM 1	Paddock 1	Acid Soil	0.00	10.00	
SM012383	12345a	13	Back Paddock Com...	Avonlea	Paddock 1	QLD Cotton	0.00	10.00	1.20
SM012384	12345a	2	Back Paddock Com...	Avonlea	Paddock 1	QLD Sugar	0.00	10.00	
SM012382	12345a		Back Paddock Com...	Avonlea	Paddock 1	QLD Sorghum	0.00	10.00	

2. Right Click on highlighted test and then on Recommendation from Lab Test



Barcode	Purchase Order	R...	Trading Name	Farm	Paddock	Description	Sam...	Sam...	Bulk...
SA07	BPC98b	4	Back Paddock Com...	FARM 1	Paddock 1	Sodic	0.00	10.00	
SA01	BPC98b	2	Back Paddock Com...	FARM 1	Paddock 1	Acid Soil	0.00	10.00	
SM012383	12345a	13	Back Paddock Com...	Avonlea	Paddock 1	QLD Cotton	0.00	10.00	1.20
SM012384	12345a	2	Back Paddock Com...	Avonlea	Paddock 1	QLD Sugar	0.00	10.00	
SM012382	12345a		Back Paddock Com...	Avonlea	Paddock 1	QLD Sorghum	0.00	10.00	
SM012381	12345a		Back Paddock Com...			QLD Wheat	0.00	10.00	
SM012352	12345a	3	Back Paddock Com...			VIC Wheat	0.00	10.00	1.30
SM012351	12345a		Back Paddock Com...			VIC Pasture	0.00	10.00	
SM012350	12345b		Back Paddock Com...			NT Peanut	0.00	10.00	
SM012359	12345b		Back Paddock Com...			QLD Peanut	0.00	10.00	
SD01	BPC123a		Back Paddock Com...			NSW Associated Samples Narrabri	0.00	10.00	1.20
SD03	BPC123a	1	Back Paddock Com...			NSW Associated Samples Gunnedah	0.00	10.00	1.20
SN5W226	BPC123a	3	Back Paddock Com...			NSW Associated samples	0.00	10.00	1.20
SM012347	12345a		Back Paddock Com...			NSW Cotton	0.00	10.00	1.20
SM012346	12345a		Back Paddock Com...			NSW Sorghum	0.00	10.00	
SM012345	12345a	3	Back Paddock Com...			NSW Wheat	0.00	10.00	
SM099990	BPC25	9	Back Paddock Com...	FARM 1	Paddock 1	2002	0.00	10.00	1.20

3. Select soil texture from drop down box.



SoilMate Evaluation Wizard

Welcome to the SoilMate Evaluation Wizard

Enter the name of the Recommendation

Recommendation Name:

Pre-logged Description: Sodic

Barcode: SA07

Farm/Paddock Details

Trading Name: Back Paddock Company

Farm: FARM 1

Paddock: Paddock 1

Growing Season: 2009 Winter

Paddock Section: All of Paddock 1

Soil Texture:   
 Clay Loam  
 Clayey Sand  
 Fine Sandy Clay Loam  
 Fine Sandy Loam  
 Heavy Clay  
 Light Clay  
 Light Medium Clay

< Back Next > Cancel Help

### Contact Us:

Freecall Helpdesk: 1800 557 166

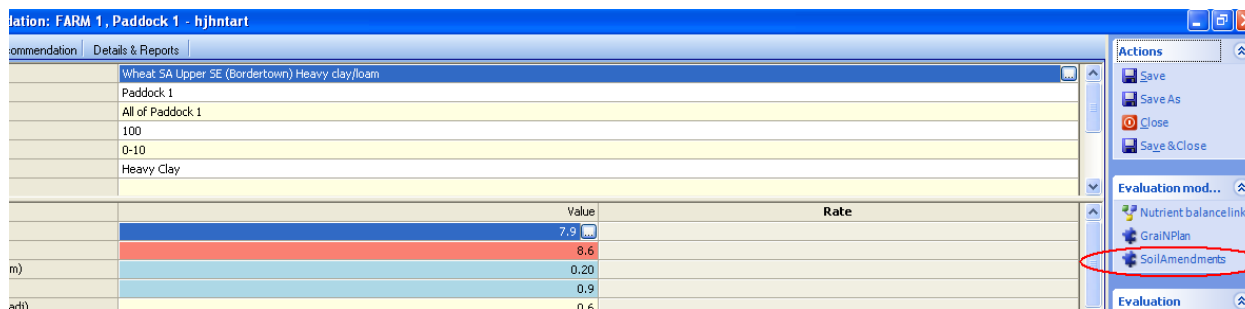
Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Oranic Carbon

The model needs to have the organic carbon added to operate. If OC has not been measured then it can be added by:

### 1. Click on Soil Ammendments Tab



Location: FARM 1, Paddock 1 - hjhntart

Recommendation: Details & Reports

Wheat SA Upper SE (Bordertown) Heavy clay/loam

Paddock 1

All of Paddock 1

100

0-10

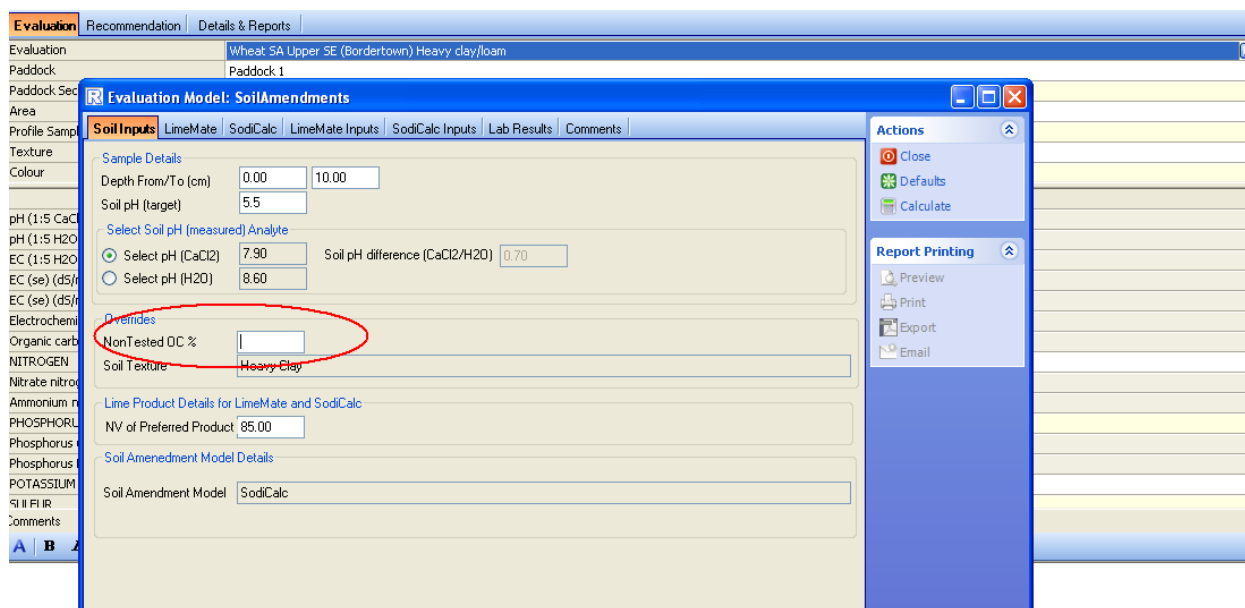
Heavy Clay

	Value	Rate
	7.9	
	8.6	
m)	0.20	
adi)	0.9	
	0.6	

Actions: Save, Save As, Close, Save & Close

Evaluation mod...: Nutrient balancelink, GrainPlan, **SoilAmendments**, Evaluation

### 2. Add OC% to Non Tested OC%



Evaluation: Recommendation: Details & Reports

Wheat SA Upper SE (Bordertown) Heavy clay/loam

Paddock: Paddock 1

Paddock Sec: Paddock 1

Area: Paddock 1

Profile Sample: Paddock 1

Texture: Paddock 1

Colour: Paddock 1

pH (1:5 CaCl2): Paddock 1

pH (1:5 H2O): Paddock 1

EC (1:5 H2O): Paddock 1

EC (se) (d5/m): Paddock 1

EC (se) (d5/m): Paddock 1

Electrochemi: Paddock 1

Organic carb: Paddock 1

NITROGEN: Paddock 1

Nitrate nitro: Paddock 1

Ammonium n: Paddock 1

PHOSPHORUS: Paddock 1

Phosphorus: Paddock 1

Phosphorus: Paddock 1

POTASSIUM: Paddock 1

SI II FIR: Paddock 1

Comments: Paddock 1

**Evaluation Model: SoilAmendments**

Soil Inputs: LimeMate, SodiCalc, LimeMate Inputs, SodiCalc Inputs, Lab Results, Comments

Sample Details

Depth From/To (cm): 0.00, 10.00

Soil pH (target): 5.5

Select Soil pH (measured) Analyte

Select pH (CaCl2): 7.90, Soil pH difference (CaCl2/H2O): 0.70

Select pH (H2O): 8.60

Overrides

**NonTested OC %**

Soil Texture: Heavy Clay

Lime Product Details for LimeMate and SodiCalc

NV of Preferred Product: 85.00

Soil Amendment Model Details

Soil Amendment Model: SodiCalc

Actions: Close, Defaults, Calculate

Report Printing: Preview, Print, Export, Email

## Contact Us:

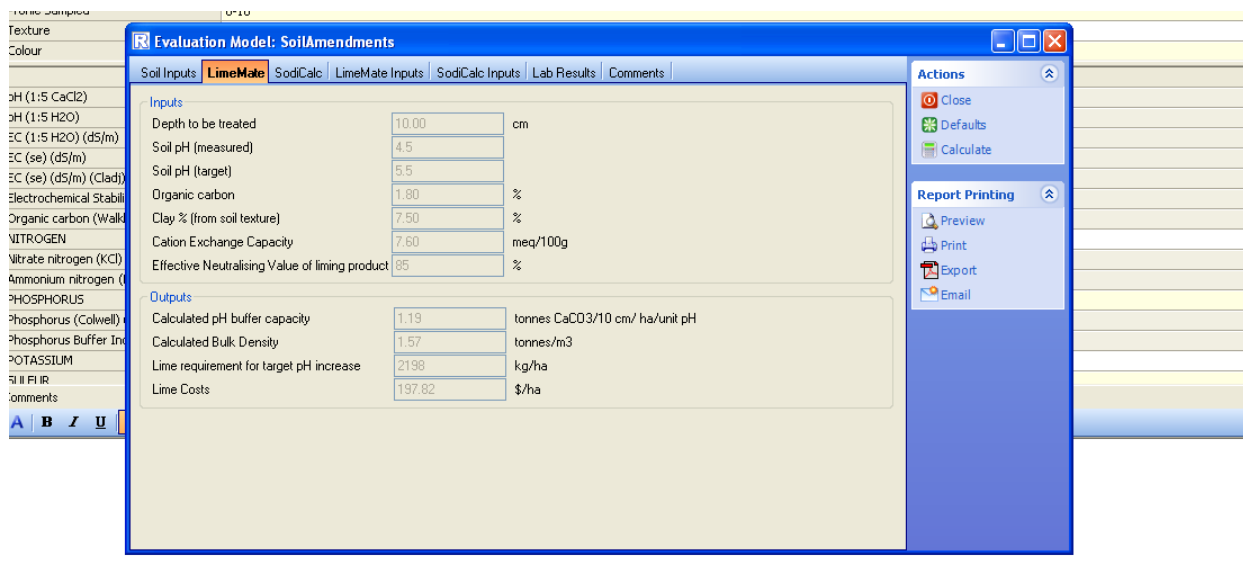
Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

## LimeMate Tab

The LimeMate tab show all the parameters that have been used to calculate the rate of lime.



A report of the results of LimeMate can be produced. **Click Preview** under **Report Printing**. **Note** the selected product will be highlighted.

### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)



## SoilMate LimeMate Report

### Back Paddock Company - Monday, 14 December 2009 - Paddock 1



Page 1 of 1

#### Grower Details:

Grower Name: Back Paddock Company  
Paddock Name: Paddock 1  
Address: PO Box 823 CLEVELAND 4163

Phone:

Interpretation Date: Monday, 14 December 2009

Interpreter Name: Gardiner, Stephen

Interpreter Phone:

#### Output Summary:

Calculated pH buffer capacity: 1.19 tonnes CaCO<sub>3</sub>/10 cm/ ha/unit pH  
Calculated Bulk Density: 1.57 tonnes/m<sup>3</sup>

#### Inputs:

Depth to be treated: 10.00 cm  
Soil pH (target CaCl<sub>2</sub>): 5.5  
Soil pH (CaCl<sub>2</sub>): 4.5  
Soil pH (H<sub>2</sub>O): 5.0  
Organic Carbon %: 1.80 %  
Soil Texture: Loamy Sand  
Clay % (from Soil texture): 7.50 %  
Cation Exchange Capacity: 7.60 meq/100g  
Effective Neutralising Value of liming product: 85 %

Lime requirement for target pH increase: 2198 kg/ha  
Lime Costs: 197.82 \$/ha

#### Comments:

PRODUCT COMPARISON	SELECTED PRODUCT					
	Product 1			Product 2		
Particle Size (mm)	% of Product	Neutralising Value (%)	Effective NV	% of Product	Neutralising Value (%)	Effective NV
0.000-0.125	0.00	0.00	0.00	0.00	0.00	0.00
0.125-0.250	0.00	0.00	0.00	0.00	0.00	0.00
0.250-0.500	0.00	0.00	0.00	0.00	0.00	0.00
0.500-1.000	0.00	0.00	0.00	0.00	0.00	0.00
above 1.000	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>		<b>0.00</b>
Lime Product Cost (\$/t)	50			50		
Lime Delivery Cost (\$/t)	30			30		
Lime Spread Cost (\$/t)	10			10		
Relative Lime Cost (\$/t)	0.00			0.00		

#### IMPORTANT NOTE:

The evaluation and recommendation reports provided here are a guide only, and depend on representative samples being analysed. Additionally environmental and managerial factors influence production, therefore as suppliers of this report, we do not accept any liability whatsoever arising from the application of recommendations, for any damage, loss or injury of any nature and the user takes these evaluations and recommendations on these terms. This recommendation is made in good faith, based on the best technical information available.

#### Contact Us:

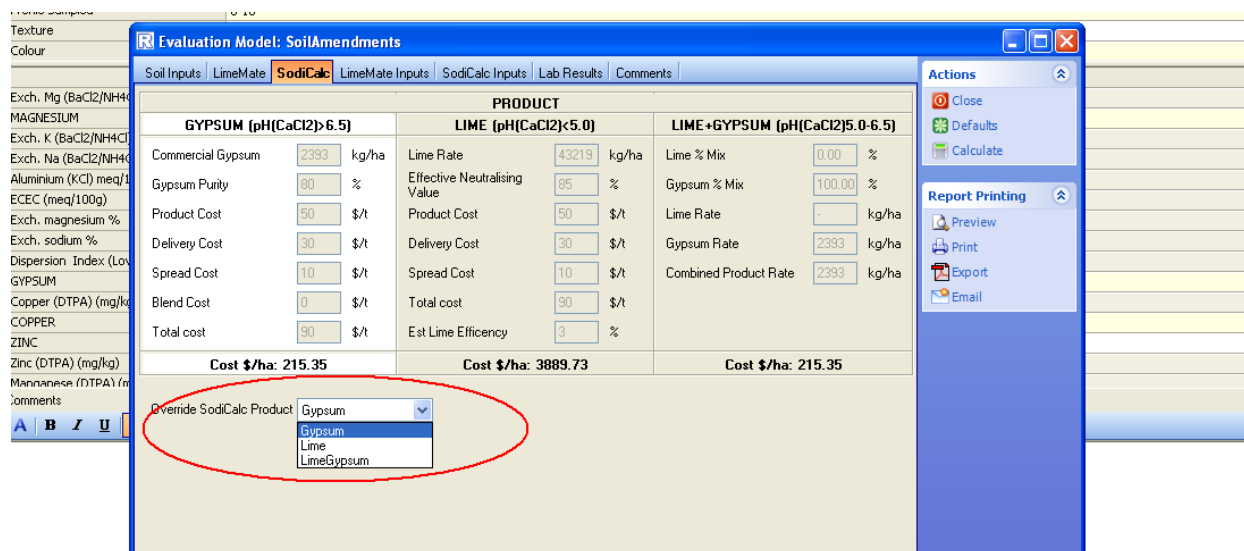
Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

## SodicCalc Tab

The SodicCalc tab allows comparison of lime, gypsum or a mixture of the two . Note the dropdown box at the bottom. The product that is selected here will be highlighted and will appear in reports.



GYPSUM (pH(CaCl2)>6.5)			LIME (pH(CaCl2)<5.0)			LIME+GYPSUM (pH(CaCl2)5.0-6.5)		
Commercial Gypsum	2393	kg/ha	Lime Rate	43219	kg/ha	Lime % Mix	0.00	%
Gypsum Purity	80	%	Effective Neutralising Value	85	%	Gypsum % Mix	100.00	%
Product Cost	50	\$/t	Product Cost	50	\$/t	Lime Rate	-	kg/ha
Delivery Cost	30	\$/t	Delivery Cost	30	\$/t	Gypsum Rate	2393	kg/ha
Spread Cost	10	\$/t	Spread Cost	10	\$/t	Combined Product Rate	2393	kg/ha
Blend Cost	0	\$/t	Total cost	90	\$/t			
Total cost	90	\$/t	Est Lime Efficiency	3	%			
Cost \$/ha: 215.35			Cost \$/ha: 3889.73			Cost \$/ha: 215.35		

Override SodicCalc Product: Gypsum

Report Printing: Close Defaults Calculate Preview Print Export Email

A report of the results of SodiCalc can be produced. **Click Preview** under **Report Printing**. Note the selected product will be highlighted.

### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)



## SoilMate SodiCalc Report

### Back Paddock Company - Monday, 14 December 2009 - Paddock 1



Page 1 of 1

#### Grower Details:

**Grower Name:** Back Paddock Company  
**Paddock Name:** Paddock 1  
**Address:** PO Box 823 CLEVELAND 4163

#### Phone:

**Interpretation Date:** Monday, 14 December 2009  
**Interpreter Name:** Gardiner, Stephen  
**Interpreter Phone:**

#### Other:

**Organic Carbon %:** 1.10 %  
**Soil Texture:** Heavy Clay  
**Clay % (from Soil texture):** 70 %  
**Electrochemical Stability Index:** 0.021  
**Dispersion Index:** 10

#### Comments:

#### Inputs:

**Depth to be treated:** 10.00 cm  
**Soil pH (CaCl<sub>2</sub>):** 7.9  
**Soil pH (H<sub>2</sub>O):** 8.6  
**EC (1:5 H<sub>2</sub>O):** 0.20 dS/m  
**Exchangeable Ca:** 30.00 meq/100g  
**Exchangeable Mg:** 17.00 meq/100g  
**Exchangeable K:** 1.00 meq/100g  
**Exchangeable Na:** 4.00 meq/100g  
**Exchangeable Al:** 0.00 meq/100g  
**Effective Cation Exchange Capacity:** 52.00 meq/100g  
**Current Soil Sodium % of CEC:** 7.69 %  
**Target Sodium % of CEC:** 6.00 %  
**Current Soil Magnesium % of CEC:** 32.69 %  
**Target Magnesium % of CEC:** 30.00 %

SELECTED PRODUCT		LIME (pH(CaCl <sub>2</sub> )<5.0)		LIME+GYPSUM (pH(CaCl <sub>2</sub> )5.0-6.5)	
GYPSUM (pH(CaCl <sub>2</sub> )>6.5)					
Commercial Gypsum	2393 kg/ha	Lime Rate	43219 kg/ha	Lime % Mix	0.00 %
Gypsum Purity	80 %	Effective Neutralising Value	85 %	Gypsum % Mix	100.00 %
Product Cost	50 \$/t	Product Cost	50 \$/t	Lime Rate	- kg/ha
Delivery Cost	30 \$/t	Delivery Cost	30 \$/t	Gypsum Rate	2393 kg/ha
Spread Cost	10 \$/t	Spread Cost	10 \$/t	Combined Product Rate	2393 kg/ha
Blend Cost	0 \$/t	Total Cost	90 \$/t		
Total Cost	90 \$/t	Est Lime Efficiency	3 %		
Cost \$/ha: 215.35		Cost \$/ha: 3889.73		Cost \$/ha: 215.35	

## LimeMate Inputs Tab

The LimeMate Input tab allows % of particle size and cost to be entered for different lime products for comparison.

Texture  
Colour

Exch. Mg (BaCl<sub>2</sub>/NH<sub>4</sub>)  
MAGNESIUM  
Exch. K (BaCl<sub>2</sub>/NH<sub>4</sub>)  
Exch. Na (BaCl<sub>2</sub>/NH<sub>4</sub>)  
Aluminium (KCl) meq/l  
ECEC (meq/100g)  
Exch. magnesium %  
Exch. sodium %  
Dispersion Index (Low)  
GYPSUM  
Copper (DTPA) (mg/kg)  
COPPER  
ZINC  
Zinc (DTPA) (mg/kg)  
Manganese (DTPA) (mg/kg)  
Comments

**Evaluation Model: SoilAmendments**

Soil Inputs | LimeMate | SodiCalc | **LimeMate Inputs** | SodiCalc Inputs | Lab Results | Comments

	Product 1			Product 2		
	Particle Size (mm)	% of Product	Neutralising Value (%)	Particle Size (mm)	% of Product	Neutralising Value (%)
0.000-0.125			0.00			0.00
0.125-0.250			0.00			0.00
0.250-0.500			0.00			0.00
0.500-1.000			0.00			0.00
above 1.000			0.00			0.00
Total		0.00	0.00		0.00	0.00
Lime Product Cost (\$/t)	50			50		
Lime Delivery Cost (\$/t)	30			30		
Lime Spread Cost (\$/t)	10			10		
Relative Lime Cost (\$/t)	0.00			0.00		

Actions  
Close  
Defaults  
Calculate

Report Printing  
Preview  
Print  
Export  
Email

## Contact Us:

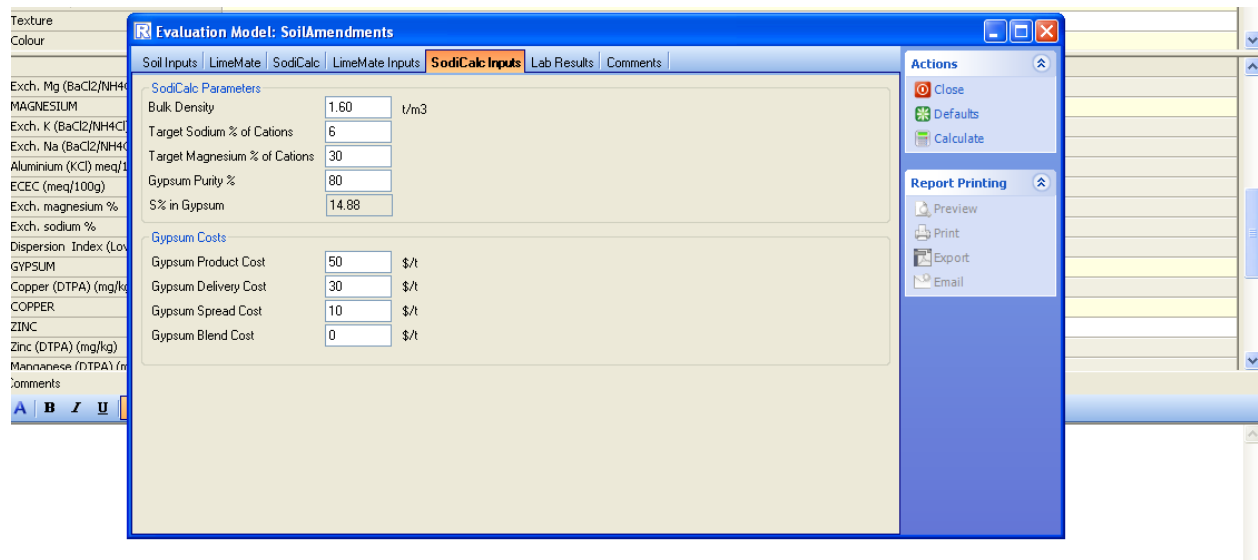
Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

## SodiCalc Inputs Tab

The SodiCalc Inputs tab allows for the inputs that calculate for Gypsum to be adjusted



**Evaluation Model: SoilAmendments**

Soil Inputs | LimeMate | SodiCalc | LimeMate Inputs | **SodiCalc Inputs** | Lab Results | Comments

**SodiCalc Parameters**

Bulk Density	1.60	t/m3
Target Sodium % of Cations	6	
Target Magnesium % of Cations	30	
Gypsum Purity %	80	
S% in Gypsum	14.88	

**Gypsum Costs**

Gypsum Product Cost	50	\$/t
Gypsum Delivery Cost	30	\$/t
Gypsum Spread Cost	10	\$/t
Gypsum Blend Cost	0	\$/t

**Actions**

- Close
- Defaults
- Calculate

**Report Printing**

- Preview
- Print
- Export
- Email

### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

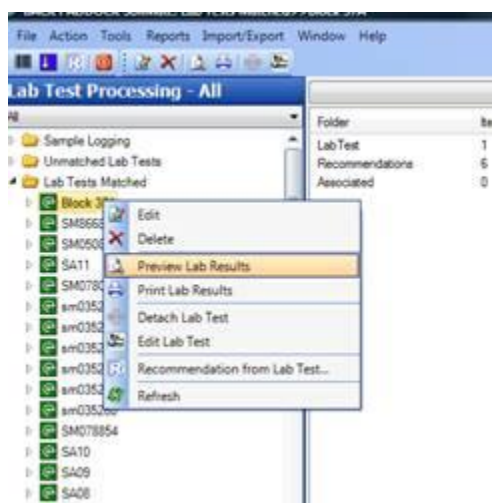
**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)



## Selection of Evaluation Tables

A number of evaluation tables in SoilMate require knowledge of PBI or P(BSES) to be able to select the correct evaluation table. This means that when selecting the ET during prelogging in the sample advisers need to ensure that they check the lab results prior to starting the SoilMate Evaluation Wizard and note PBI or any other analysis mentioned in the name of the ET. It is probably good practice to check anyway to ensure that there are no obvious errors.

1. After successful import and matching of the sample the adviser Right click and Preview the results



2. If the ET selected during prelogging indicated a PBI or BSES P range in the title note the PBI or BSES P from the lab test.

### CALCULATED

EC (se) (dS/m) (Cladj)	Insufficient Calc Data
Phosphorus Buffer Index (PBI)	170.0
Aluminium % of CEC Grouping	46.8
ECEC (meq/100g)	2.4
Magnesium % cations	12.8
Sodium % cations	1.4
Calcium:magnesium ratio	2.7

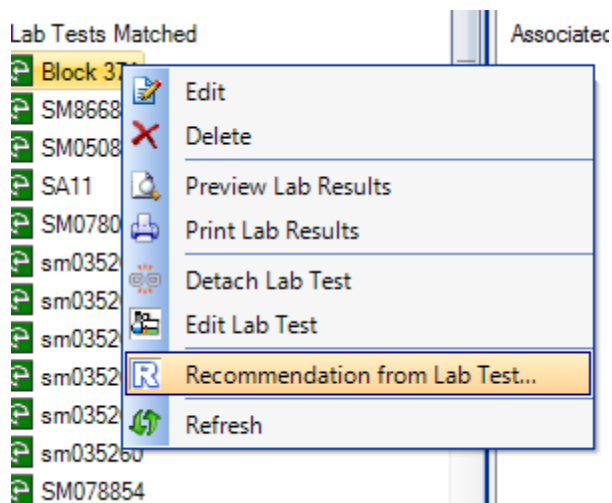
### Contact Us:

Freecall Helpdesk: 1800 557 166

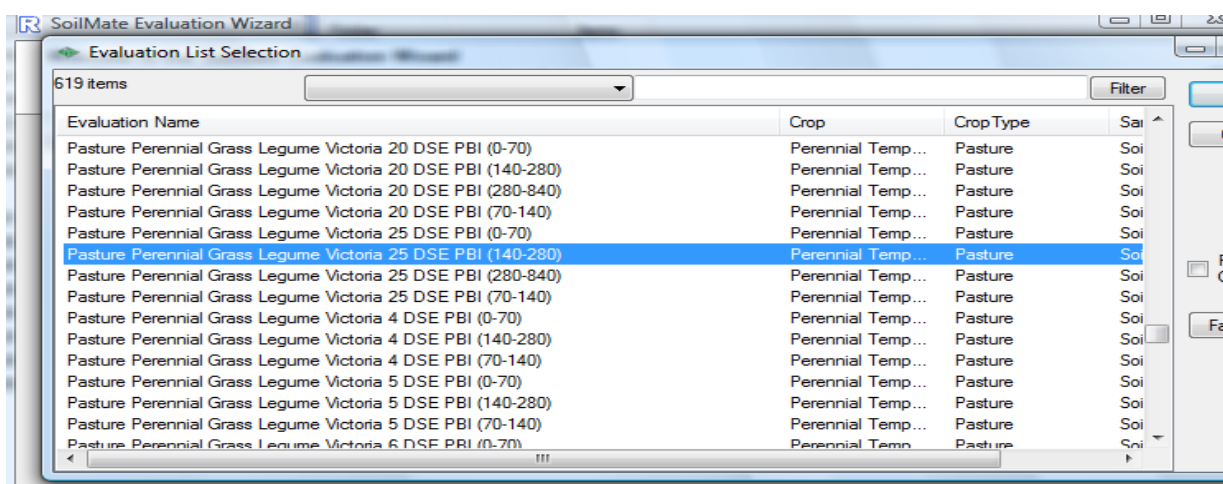
Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

- Exit lab test preview and right click lab test and select "Recommendation from Lab Test".



- In the Recommendation wizard select the ET with the appropriate range of PBI or P(BSES) and proceed as normal.



### Contact Us:

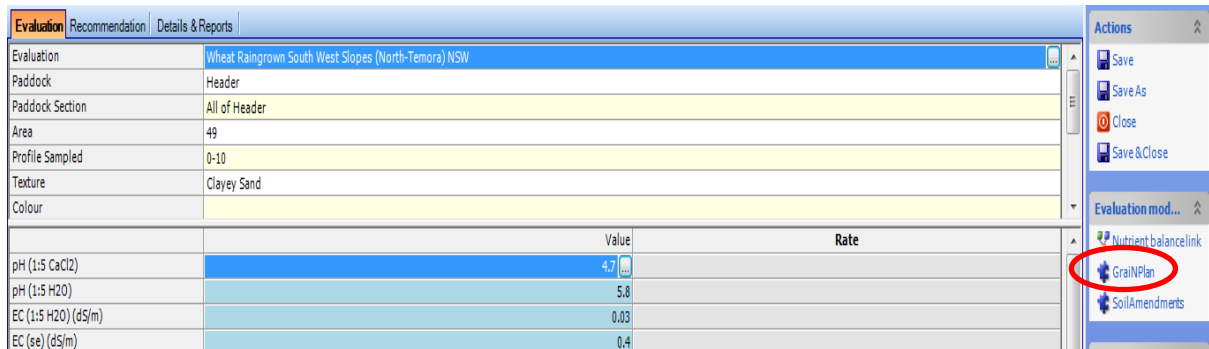
Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

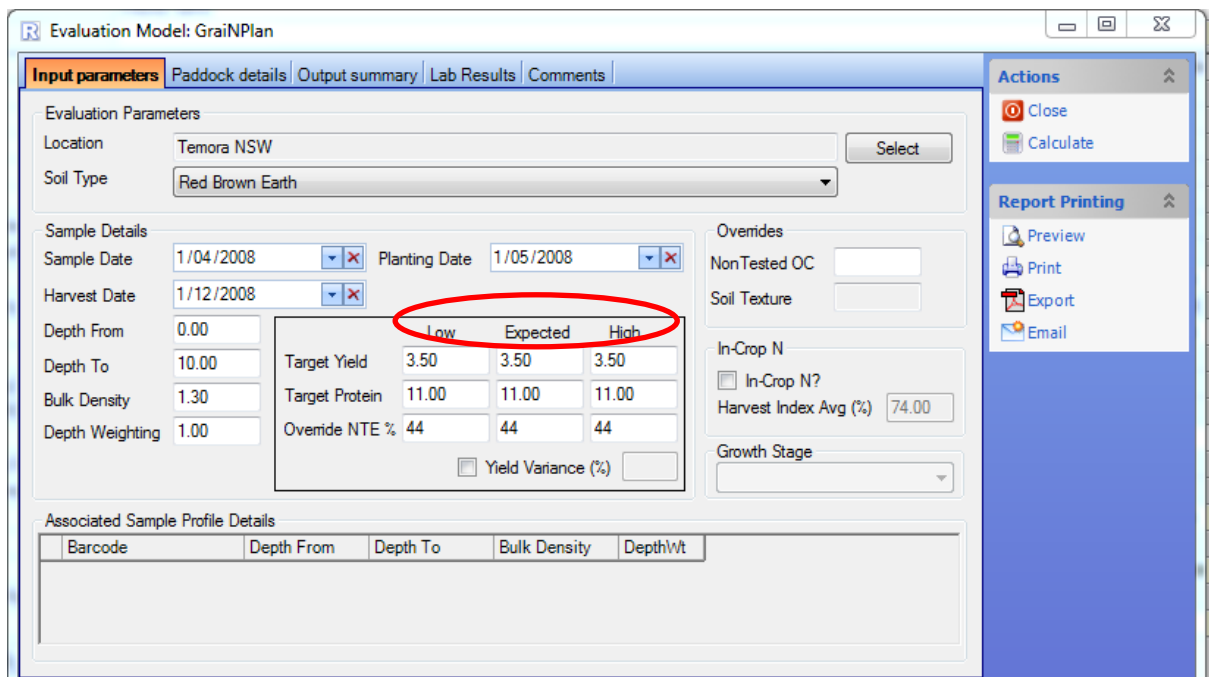
## Simplified Grain N Plan

The **Grain N Plan** can be found to the **right of the evaluation screen** under **Evaluation Models**. This model will appear automatically when a grain evaluation table is used.



	Value	Rate
pH (1:5 CaCl2)	4.7	
pH (1:5 H2O)	5.8	
EC (1:5 H2O) (dS/m)	0.03	
EC (se) (dS/m)	0.4	

Click on **Grain N Plan** and the following screen appears. Note that a **low, expected and high yield** appears. The **target yield and protein** can be changed. The **Nitrogen Transfer Efficiency ( NTE)** percentages can also be changed to suit.



	Low	Expected	High
Target Yield	3.50	3.50	3.50
Target Protein	11.00	11.00	11.00
Override NTE %	44	44	44

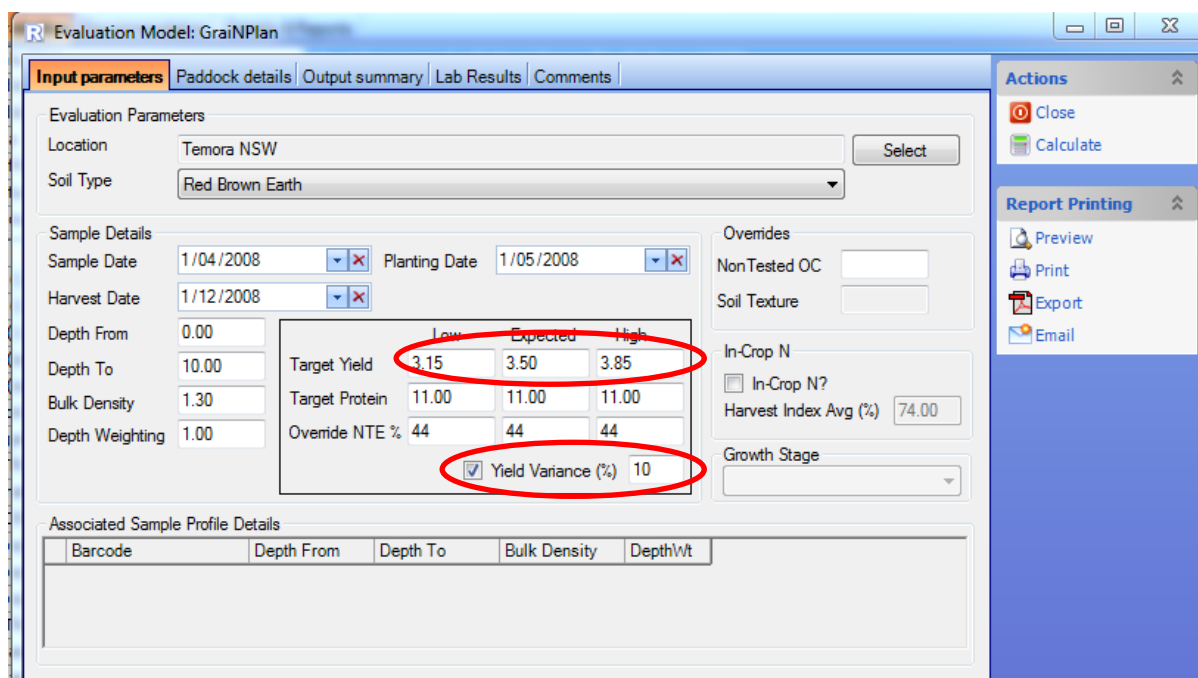
### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

The **yield** may also be **varied by percentage** by **ticking the yield variance box** and **entering the percentage variance into the yield variance box**.



Evaluation Model: GrainPlan

Input parameters | Paddock details | Output summary | Lab Results | Comments

Evaluation Parameters

Location: Temora NSW [Select]

Soil Type: Red Brown Earth [Select]

Sample Details

Sample Date: 1/04/2008 [X] Planting Date: 1/05/2008 [X]

Harvest Date: 1/12/2008 [X]

Depth From: 0.00

Depth To: 10.00

Bulk Density: 1.30

Depth Weighting: 1.00

Overrides

Non Tested OC: [ ]

Soil Texture: [ ]

In-Crop N

[ ] In-Crop N?

Harvest Index Avg (%) 74.00

Growth Stage: [ ]

Target Yield

	Low	Expected	High
Target Yield	3.15	3.50	3.85
Target Protein	11.00	11.00	11.00
Override NTE %	44	44	44

[X] Yield Variance (%) 10

Associated Sample Profile Details

Barcode	Depth From	Depth To	Bulk Density	DepthWt

Actions

[X] Close

[X] Calculate

Report Printing

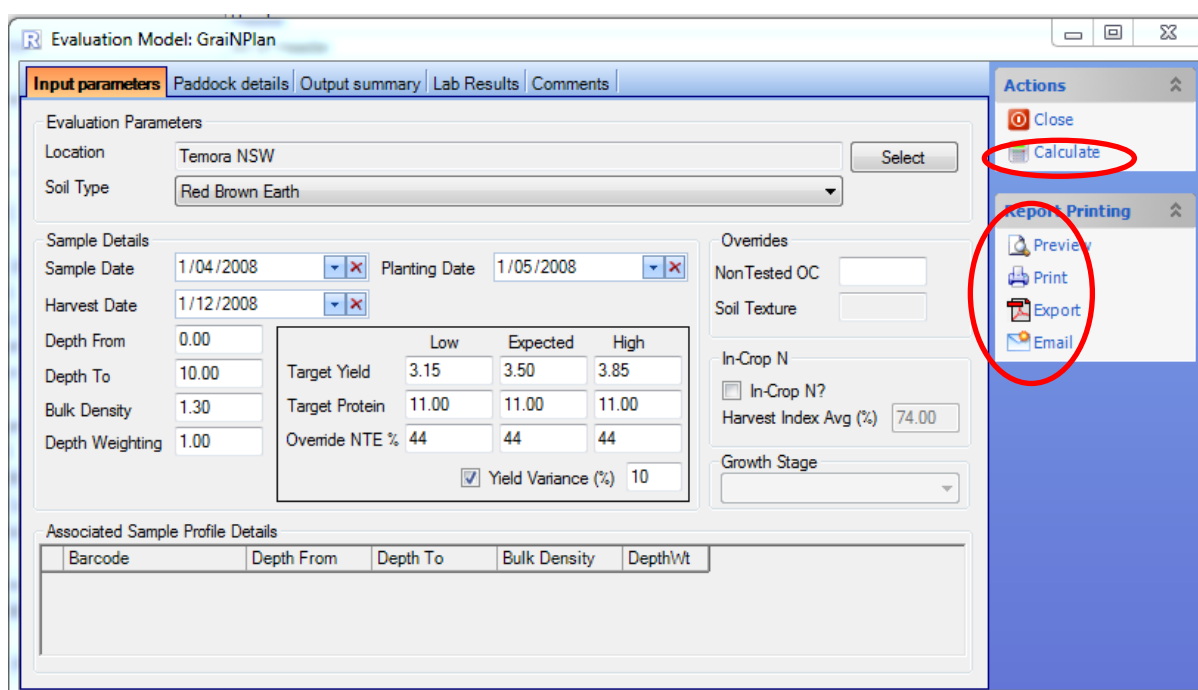
[X] Preview

[X] Print

[X] Export

[X] Email

**Note:** If **changes** have been made then the **calculate button** needs to be clicked. To **view , print , export or email** the report click on the options **below report printing**



Evaluation Model: GrainPlan

Input parameters | Paddock details | Output summary | Lab Results | Comments

Evaluation Parameters

Location: Temora NSW [Select]

Soil Type: Red Brown Earth [Select]

Sample Details

Sample Date: 1/04/2008 [X] Planting Date: 1/05/2008 [X]

Harvest Date: 1/12/2008 [X]

Depth From: 0.00

Depth To: 10.00

Bulk Density: 1.30

Depth Weighting: 1.00

Overrides

Non Tested OC: [ ]

Soil Texture: [ ]

In-Crop N

[ ] In-Crop N?

Harvest Index Avg (%) 74.00

Growth Stage: [ ]

Target Yield

	Low	Expected	High
Target Yield	3.15	3.50	3.85
Target Protein	11.00	11.00	11.00
Override NTE %	44	44	44

[X] Yield Variance (%) 10

Associated Sample Profile Details

Barcode	Depth From	Depth To	Bulk Density	DepthWt

Actions

[X] Close

[X] Calculate

Report Printing

[X] Preview

[X] Print

[X] Export

[X] Email


### Contact Us:

Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

**Note** Easy to read report which reports recommended N rates over three yield scenarios.



**SoilMate GrainPlan Report**  
**Adviser Demo - Thursday, 31 March 2011 -**

Page 1 of 1

---

**Grower Details:**

**Grower Name:** Adviser Demo  
**Paddock Name:** Church  
**Address:** Cnr Waterloo & Middle St Brisbane 4163  
**Phone:** 1800 557 166

**Sample Details:**

**Sample Date:** Wednesday, 4 March 2009  
**Forecast Plant Date:** 15-Apr-2011  
**Forecast Harvest Date:** 09-Dec-2011  
**Test Date:** Wednesday, 7 July 2010

**Evaluation Parameters:**

**District:** Temora NSW  
**Description:** Church Wheat AH  
**Crop:** Wheat SE Aust.  
**Soil Type:** Red Brown Earth  
**Growth Stage:**

**Output Summary - DEMAND:**

	<u>Low</u>	<u>Expected</u>	<u>High</u>
Target Yield (t/ha):	3.2	3.50	3.8
Target Protein (%):	11	11.00	11
Grain Removal:	61 kg/ha	68 kg/ha	74 kg/ha
Estimated Nitrogen Transfer Efficiency %:	44%	44%	44%
Estimated Crop N Demand (kg/ha):	138 kg/ha	154 kg/ha	169 kg/ha
<b>N Required For Rest of The Crop (kg/ha)</b>	<b>138</b>	<b>154</b>	<b>169</b>

**Output Summary - SUPPLY:**

**Sample Profile Details:**

Barcode	Depth From (cm)	Depth To (cm)	Bulk Density (t/m3)	Nitrate N (mg/kg)	Ammonium N (mg/kg)	Depth Weighting	Mineral N (kg/ha)	Organic Carbon (%)
SM082538	0.00	10.00	1.30	34	1.02	1.00	44	0.4
SM082537	10.00	30.00	1.40	22	0.99	1.00	62	

Soil Mineral N:	106 kg/ha	106 kg/ha	106 kg/ha
Rotation Credits:	0 kg/ha	0 kg/ha	0 kg/ha
Soil Mineralisation Credits:	69 kg/ha	69 kg/ha	69 kg/ha
Manure Credits:	0 kg/ha	0 kg/ha	0 kg/ha
Estimated Total Available N:	175 kg/ha	175 kg/ha	175 kg/ha
<b><u>Recommended Nitrogen Rate:</u></b>	<b>0 kg/ha</b>	<b>0 kg/ha</b>	<b>0 kg/ha</b>

**Contact Us:**

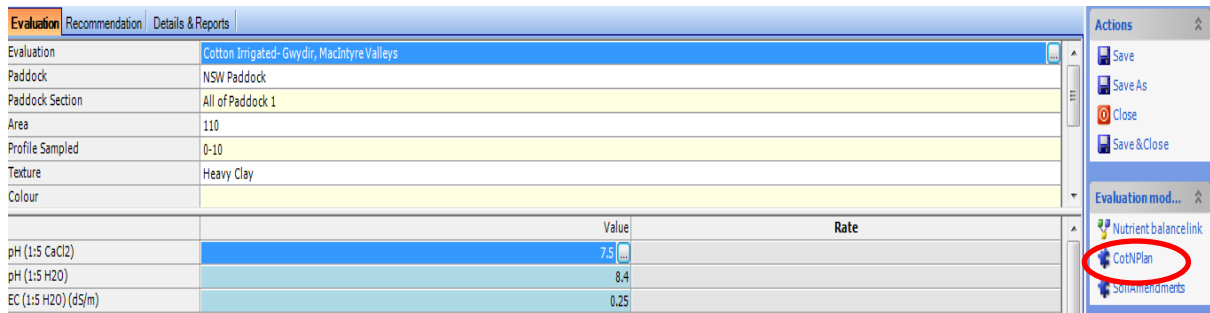
**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Simplified Cot N Plan

The **Cot N Plan** can be found to the right of the evaluation screen under **Evaluation Models**. This model will appear automatically when a cotton evaluation table is used.

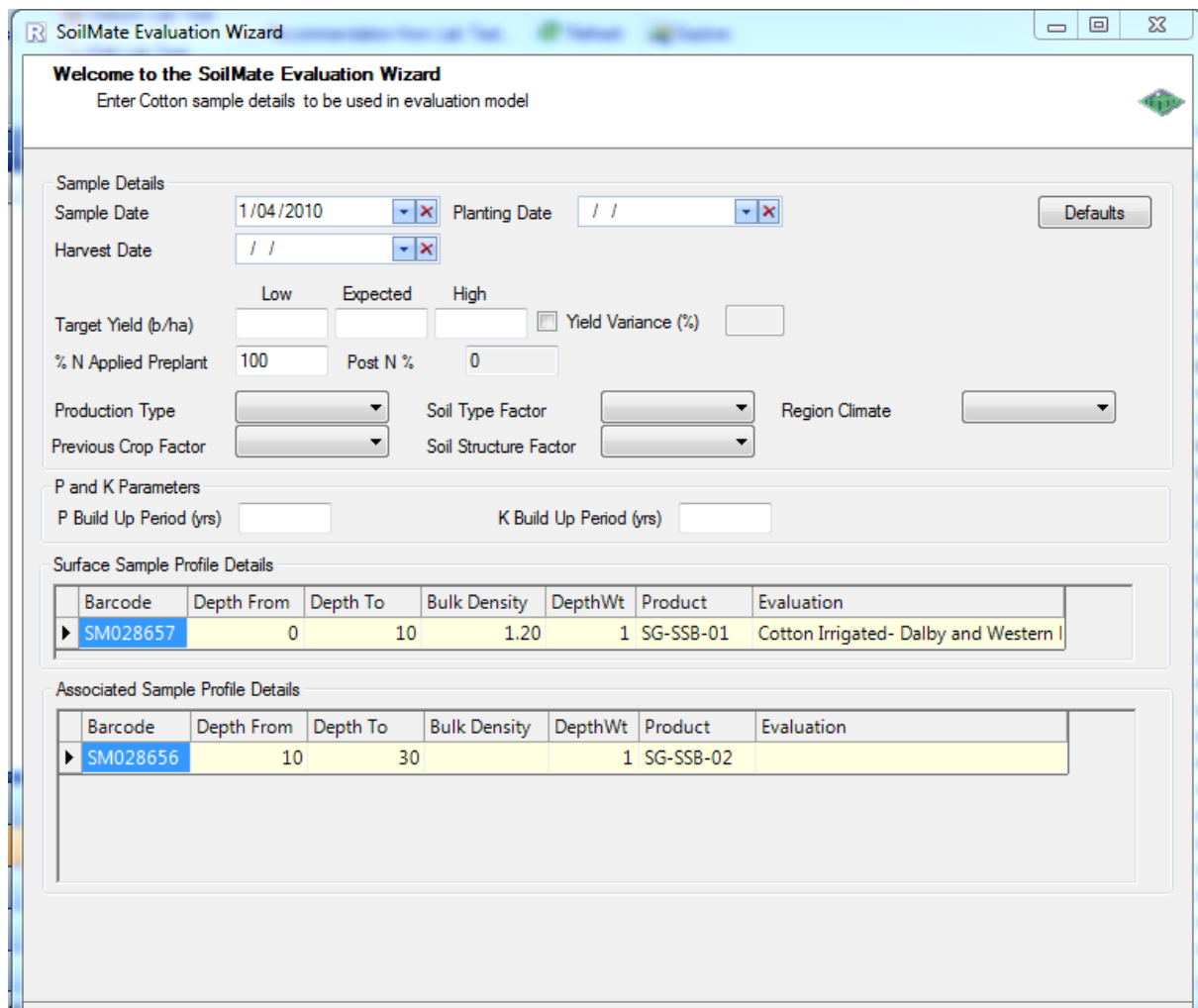


The screenshot shows the 'Evaluation' tab selected. The main table contains the following data:

	Value	Rate
pH (1:5 CaCl2)	7.5	
pH (1:5 H2O)	8.4	
EC (1:5 H2O) (dS/m)	0.25	

On the right, the 'Evaluation mod...' list shows 'CotNPlan' selected and circled in red.

When a **cotton evaluation table** is selected the following **evaluation wizard** appears



The 'SoilMate Evaluation Wizard' window is displayed. It contains the following sections:

- Welcome to the SoilMate Evaluation Wizard**: Enter Cotton sample details to be used in evaluation model.
- Sample Details**:
  - Sample Date: 1/04/2010
  - Planting Date: / /
  - Harvest Date: / /
  - Target Yield (b/ha): Low, Expected, High
  - % N Applied Preplant: 100
  - Post N %: 0
  - Production Type: [Dropdown]
  - Soil Type Factor: [Dropdown]
  - Region Climate: [Dropdown]
  - Previous Crop Factor: [Dropdown]
  - Soil Structure Factor: [Dropdown]
- P and K Parameters**:
  - P Build Up Period (yrs): [Input]
  - K Build Up Period (yrs): [Input]
- Surface Sample Profile Details**:
 

Barcode	Depth From	Depth To	Bulk Density	DepthWt	Product	Evaluation
SM028657	0	10	1.20	1	SG-SSB-01	Cotton Irrigated- Dalby and Western I
- Associated Sample Profile Details**:
 

Barcode	Depth From	Depth To	Bulk Density	DepthWt	Product	Evaluation
SM028656	10	30		1	SG-SSB-02	

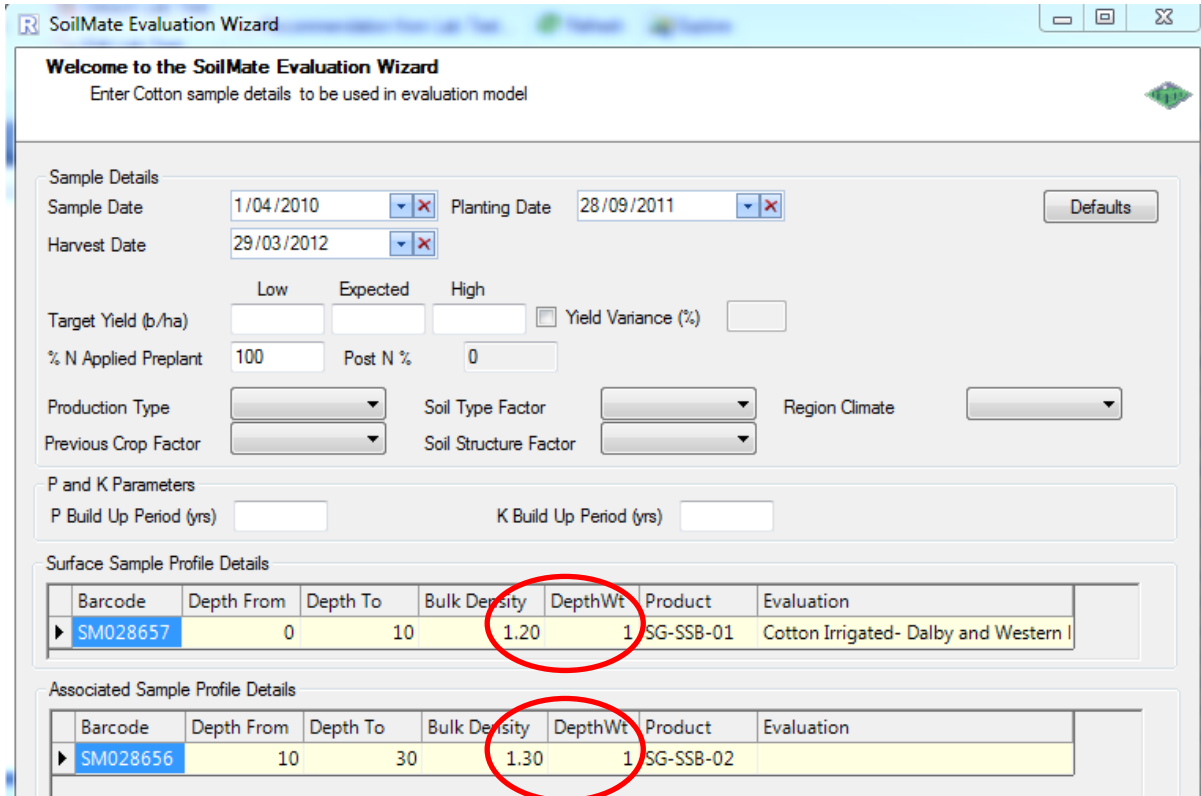
### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

Clicking on the **default** button will automatically fill in the bulk density and depth weight.



**Welcome to the SoilMate Evaluation Wizard**  
Enter Cotton sample details to be used in evaluation model

**Sample Details**  
 Sample Date: 1/04/2010 Planting Date: 28/09/2011  
 Harvest Date: 29/03/2012  
 Target Yield (b/ha): Low Expected High Yield Variance (%)  
 % N Applied Preplant: 100 Post N %: 0  
 Production Type: Soil Type Factor: Region Climate:  
 Previous Crop Factor: Soil Structure Factor:

**P and K Parameters**  
 P Build Up Period (yrs): K Build Up Period (yrs):

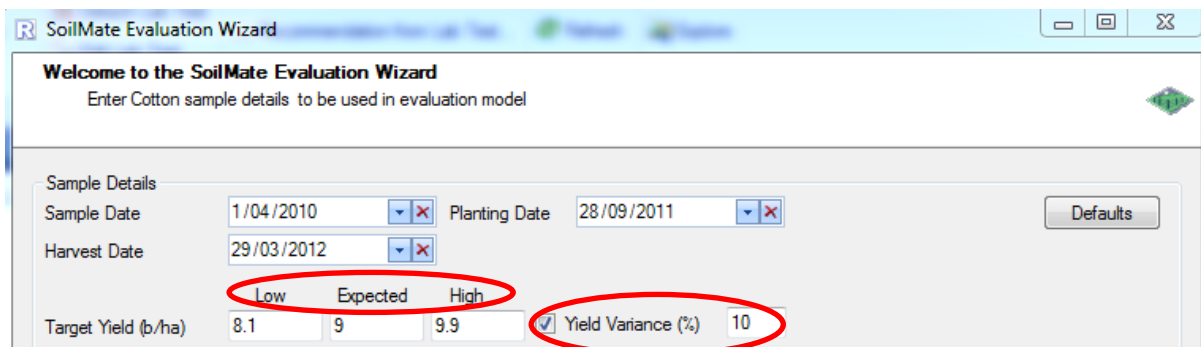
**Surface Sample Profile Details**

Barcode	Depth From	Depth To	Bulk Density	DepthWt	Product	Evaluation
SM028657	0	10	1.20	1	SG-SSB-01	Cotton Irrigated- Dalby and Western I

**Associated Sample Profile Details**

Barcode	Depth From	Depth To	Bulk Density	DepthWt	Product	Evaluation
SM028656	10	30	1.30	1	SG-SSB-02	

The evaluation wizard allows for a **low, expected and high target yield**. These yields can reflect a variance if the **yield variance box** is ticked and a **% variance** is filled in.



**Welcome to the SoilMate Evaluation Wizard**  
Enter Cotton sample details to be used in evaluation model

**Sample Details**  
 Sample Date: 1/04/2010 Planting Date: 28/09/2011  
 Harvest Date: 29/03/2012  
 Target Yield (b/ha): Low Expected High Yield Variance (%) 10

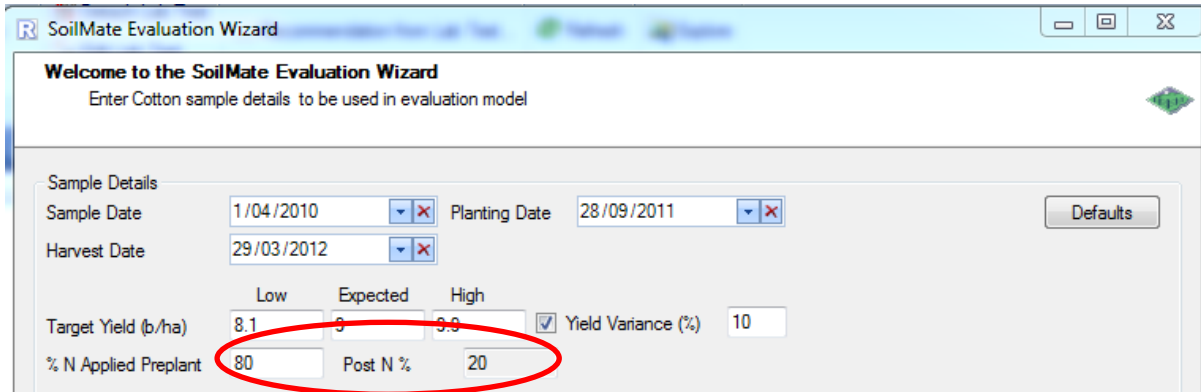
### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

The evaluation **by default put 100% of the N as applied preplant**. If a **split application of N** is required this can be changed by **clicking on the 100** and changing it. **Clicking on the post N% will cause the evaluation to automatically calculate what will be applied post plant.**



SoilMate Evaluation Wizard

Welcome to the SoilMate Evaluation Wizard  
Enter Cotton sample details to be used in evaluation model

Sample Details

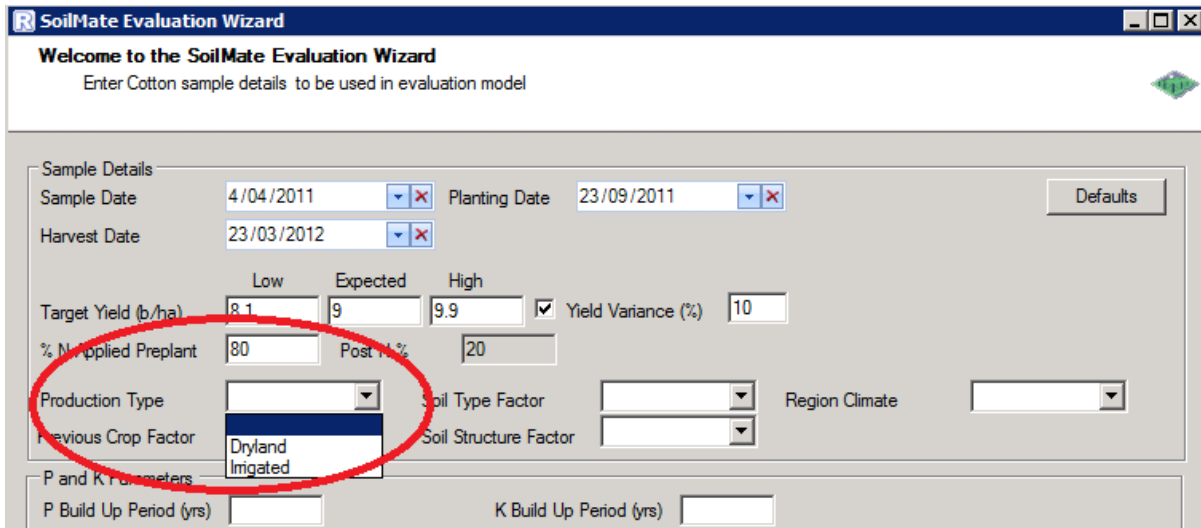
Sample Date: 1/04/2010 Planting Date: 28/09/2011

Harvest Date: 29/03/2012

Target Yield (b/ha): Low 8.1 Expected 9 High 9.9 Yield Variance (%) ☒ 10

% N Applied Preplant: 80 Post N %: 20

Click on the **drop down arrow** to get the **Production Type** options.



SoilMate Evaluation Wizard

Welcome to the SoilMate Evaluation Wizard  
Enter Cotton sample details to be used in evaluation model

Sample Details

Sample Date: 4/04/2011 Planting Date: 23/09/2011

Harvest Date: 23/03/2012

Target Yield (b/ha): Low 8.1 Expected 9 High 9.9 Yield Variance (%) ☒ 10

% N Applied Preplant: 80 Post N %: 20

Production Type:   
Dryland  
Irrigated

Soil Type Factor: Soil Structure Factor: Region Climate: Previous Crop Factor: P and K Parameters: P Build Up Period (yrs): K Build Up Period (yrs):

### Contact Us:

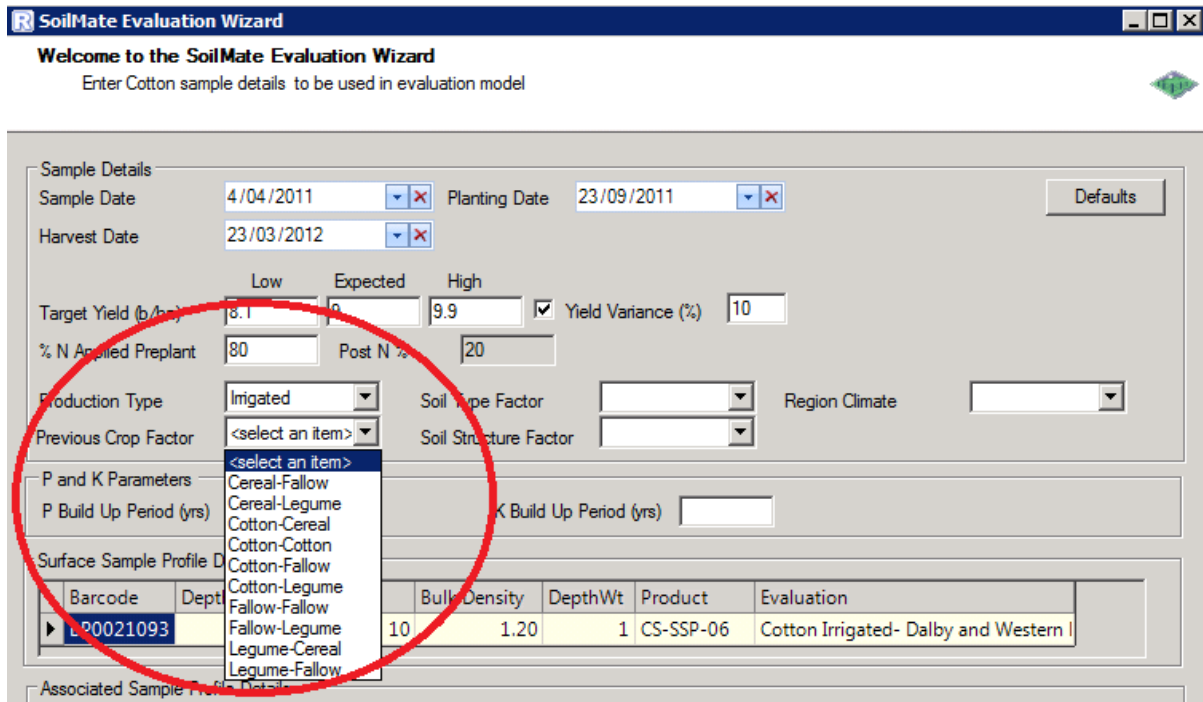
Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)



Click on the **Previous Crop Factor** to choose what **previous cropping** has occurred.



**SoilMate Evaluation Wizard**

Welcome to the SoilMate Evaluation Wizard  
Enter Cotton sample details to be used in evaluation model

Sample Details

Sample Date: 4/04/2011 Planting Date: 23/09/2011 Harvest Date: 23/03/2012

Target Yield (b/ha): Low 8.1 Expected 9 High 9.9 Yield Variance (%) 10

% N Applied Preplant: 80 Post N %: 20

Production Type: Irrigated Soil Type Factor: Region Climate:

Previous Crop Factor: <select an item>

P and K Parameters

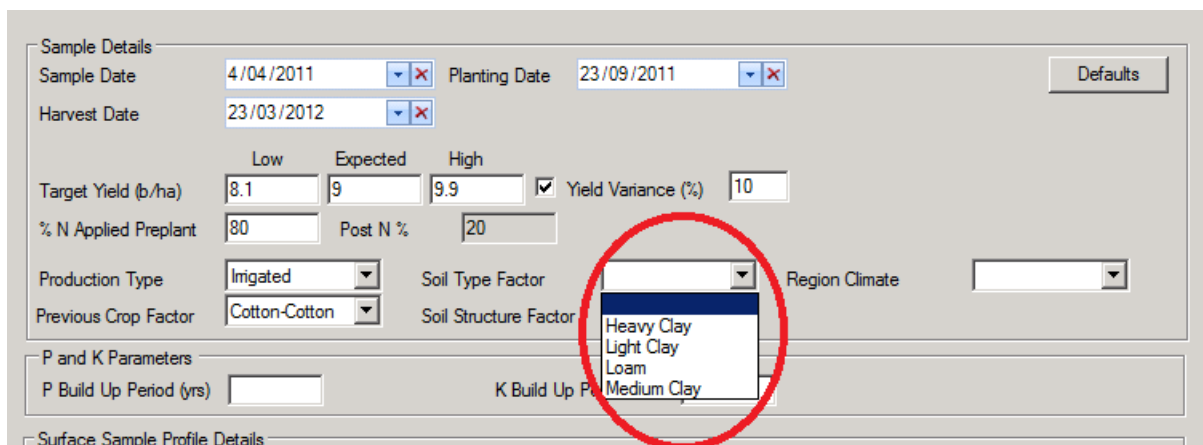
P Build Up Period (yrs): K Build Up Period (yrs):

Surface Sample Profile Details

Barcode	Depth	Bulk Density	DepthWt	Product	Evaluation
P0021093		10	1.20	1 CS-SSP-06	Cotton Irrigated- Dalby and Western I

Associated Sample Profile Details

Click on **Soil Type Factor** to select **soil type**.



**SoilMate Evaluation Wizard**

Welcome to the SoilMate Evaluation Wizard  
Enter Cotton sample details to be used in evaluation model

Sample Details

Sample Date: 4/04/2011 Planting Date: 23/09/2011 Harvest Date: 23/03/2012

Target Yield (b/ha): Low 8.1 Expected 9 High 9.9 Yield Variance (%) 10

% N Applied Preplant: 80 Post N %: 20

Production Type: Irrigated Soil Type Factor: Region Climate:

Previous Crop Factor: Cotton-Cotton Soil Structure Factor:

P and K Parameters

P Build Up Period (yrs): K Build Up Period (yrs):

Surface Sample Profile Details

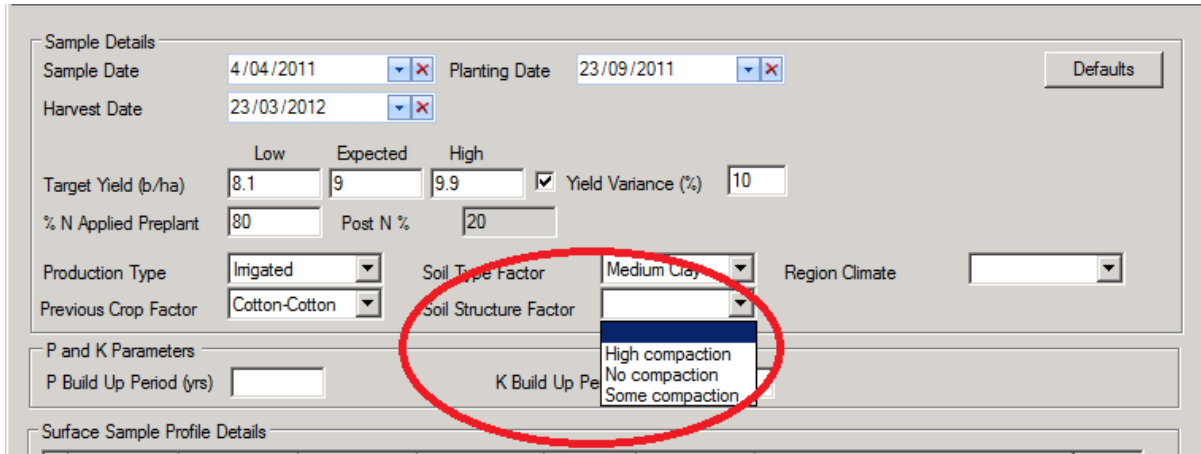
### Contact Us:

Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

Click on Soil Structure Factor to select **compaction effect**.



Sample Details

Sample Date: 4/04/2011 Planting Date: 23/09/2011 Harvest Date: 23/03/2012

Target Yield (b/ha): Low 8.1 Expected 9 High 9.9 Yield Variance (%) 10

% N Applied Preplant: 80 Post N %: 20

Production Type: Irrigated Soil Type Factor: Medium Clay Region Climate: [Dropdown]

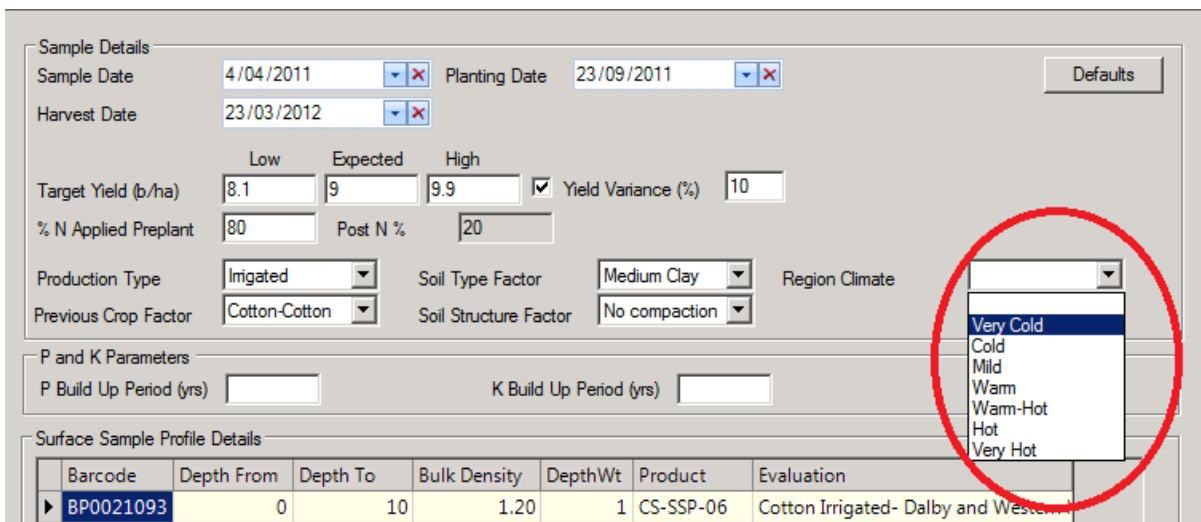
Previous Crop Factor: Cotton-Cotton Soil Structure Factor: [Dropdown]

P and K Parameters

P Build Up Period (yrs): [Input] K Build Up Period (yrs): [Input]

Surface Sample Profile Details

Click on Region Climate to select the **climate effect**



Sample Details

Sample Date: 4/04/2011 Planting Date: 23/09/2011 Harvest Date: 23/03/2012

Target Yield (b/ha): Low 8.1 Expected 9 High 9.9 Yield Variance (%) 10

% N Applied Preplant: 80 Post N %: 20

Production Type: Irrigated Soil Type Factor: Medium Clay Region Climate: [Dropdown]

Previous Crop Factor: Cotton-Cotton Soil Structure Factor: No compaction

P and K Parameters

P Build Up Period (yrs): [Input] K Build Up Period (yrs): [Input]

Surface Sample Profile Details

Barcode	Depth From	Depth To	Bulk Density	DepthWt	Product	Evaluation
BP0021093	0	10	1.20	1	CS-SSP-06	Cotton Irrigated- Dalby and West...

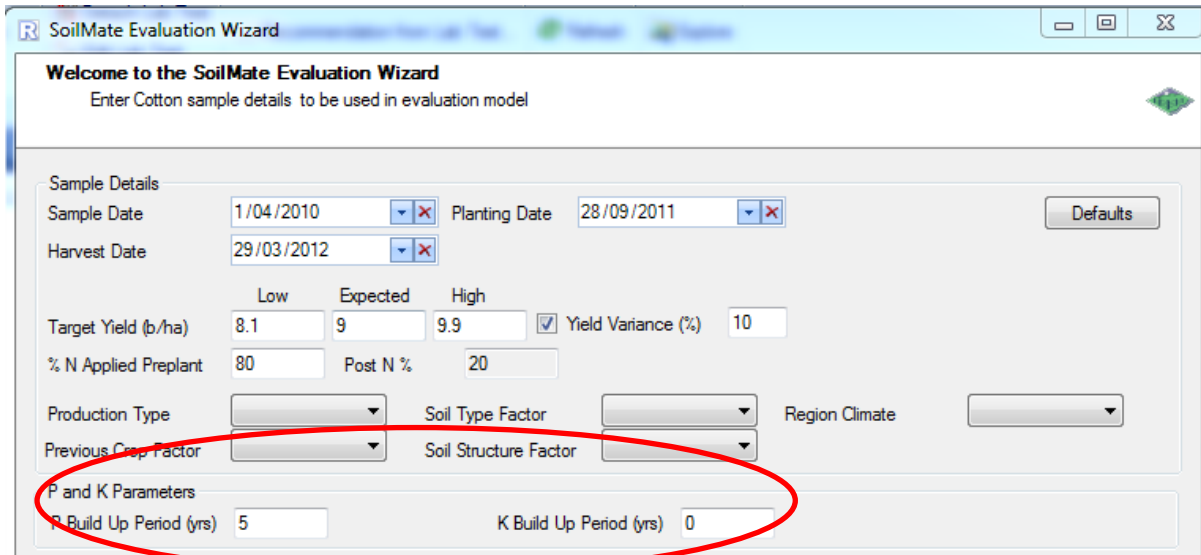
### Contact Us:

Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

The evaluation wizard also allows for the **build-up of Colwell P** and gives the choice to do this over **one season or spread over several seasons..**



**SoilMate Evaluation Wizard**

Welcome to the SoilMate Evaluation Wizard  
Enter Cotton sample details to be used in evaluation model

Sample Details

Sample Date: 1/04/2010 Planting Date: 28/09/2011

Harvest Date: 29/03/2012

Target Yield (b/ha): Low 8.1, Expected 9, High 9.9. Yield Variance (%) 10

% N Applied Preplant: 80 Post N %: 20

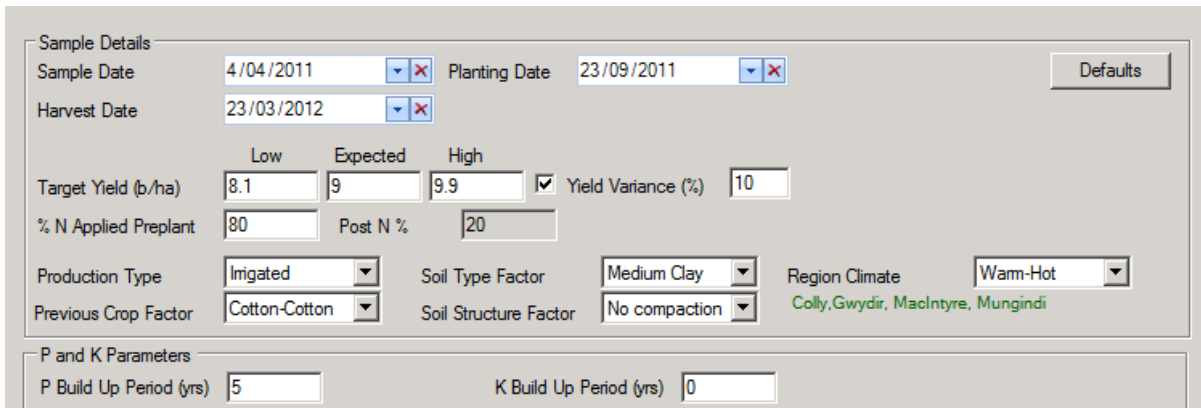
Production Type: Soil Type Factor: Region Climate:

Previous Crop Factor: Soil Structure Factor:

**P and K Parameters**

P Build Up Period (yrs): 5 K Build Up Period (yrs): 0

The completed wizard should look as below. **Click Next** to continue.



Sample Details

Sample Date: 4/04/2011 Planting Date: 23/09/2011

Harvest Date: 23/03/2012

Target Yield (b/ha): Low 8.1, Expected 9, High 9.9. Yield Variance (%) 10

% N Applied Preplant: 80 Post N %: 20

Production Type: Irrigated Soil Type Factor: Medium Clay Region Climate: Warm-Hot

Previous Crop Factor: Cotton-Cotton Soil Structure Factor: No compaction

**P and K Parameters**

P Build Up Period (yrs): 5 K Build Up Period (yrs): 0

Colly, Gwydir, Macintyre, Mungindi

### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

The **CotNPlan** can be found to the right under evaluation models in the evaluation page.

Recommendation: Main, B - test constants 6

Evaluation Recommendation Details & Reports

Evaluation	Cotton Irrigated- Dalby and Western Downs, Queensla	Cotton Irrigated- Dalby and
Paddock	B	B
Paddock Section	All of B	All of B
Area	14	14
Profile Sampled	0-10	10-60
Texture	Heavy Clay	Heavy Clay
Colour	Dark Brown	

	Value	Rate	Value
pH (1:5 H <sub>2</sub> O) (4A1)	6.4		
pH (1:5 CaCl <sub>2</sub> ) (4B2)	5.7		
EC (1:5 H <sub>2</sub> O) (3A1) dS/m	0.12		0.46
EC (se) (dS/m)	0.5		2.1

Actions

- Save
- Save As
- Close
- Save & Close
- Evaluation models**
  - Nutrient balance link
  - CotNPlan**
  - SoilAmendments

Clicking the **CotNPlan** brings up the **Input parameters** screen. Note the **calculated rates of N, P, K and S** for a low, expected and high yield.

Evaluation Model: CotNPlan

Input parameters Paddock details Output summary Lab Results Comments

Location: Dalby QLD Select

Soil Type: Black vertosol

Sample Details

Sample Date: 4/04/2011 Planting Date: 23/09/2011 Defaults

Harvest Date: 23/03/2012

Depth From: 0.00 Depth To: 10.00 Bulk Density: 1.20 Depth Weighting: 1.00

Target Yield (b/ha): Low: 8.10 Expected: 9.00 High: 9.90

Yield Variance (%) ☐

Overrides

Non Tested OC:

Soil Texture: Heavy Clay

P Parameter

Build Up Period (yrs): 5.00

K Parameter

Build Up Period (yrs): 0.00

% N Applied Preplant: 80 Post N %: 20

Production Type: Irrigated Soil Structure Factor: No compaction

Previous Crop Factor: Cotton-Cotton Region Climate: Warm-Hot

Soil Type Factor: Medium Clay Colly, Gwydir, MacIntyre, Mungindi

Associated Sample Profile Details

Barcode	Depth From	Depth To	Bulk Density	Depth/Wt
SM063463	10.00	60.00	1.30	1.00

Calculated Rates

Nutrient	Low	Expected	High
Nitrogen	131	154	177
Phosphorus	20	22	24
Potassium	30	33	36
Sulphur		10	

Actions

- Close
- Calculate

Report Printing

- Preview
- Print
- Export
- Email

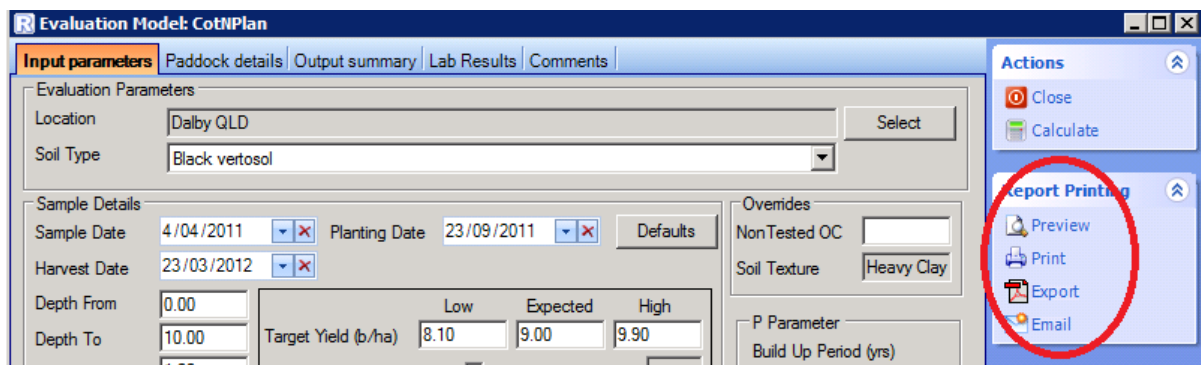
### Contact Us:

Freecall Helpdesk: 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

Email: [support@backpaddock.com.au](mailto:support@backpaddock.com.au) Web: [www.backpaddock.com.au](http://www.backpaddock.com.au)

Clicking on the **preview tab** brings up a **preview of the CotNPlan report**. Note the report can be printed, exported as a pdf or emailed.




**Contact Us:**

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

The form produced by the CotNPlan is easy and simple to read. **Note that the report incorporates both pre and post sowing N rates.**



### SoilMate CotNPlan Report

**Bazza Farms - Friday, 15 April 2011 - B**

Page 1 of 1

---

**Grower Details:**

<b>Grower Name:</b>	Bazza Farms	<b>Interpretation Date:</b>	Friday, 15 April 2011
<b>Paddock Name:</b>	B	<b>Interpreter Name:</b>	Beta1, EA
<b>Address:</b>	RSD 123 Yeowie 4999	<b>Interpreter Phone:</b>	
<b>Phone:</b>	3123 4567		

**Sample Details:**

<b>Sample Date:</b>	Monday, 4 April 2011	<b>District:</b>	Dalby QLD
<b>Forecast Plant Date:</b>	23-Sep-2011	<b>Description:</b>	test constants 6
<b>Forecast Harvest Date:</b>	23-Mar-2012	<b>Crop:</b>	Cotton
<b>Test Date:</b>	Tuesday, 29 March 2011	<b>Soil Type:</b>	Black vertosol
		<b>Growth Stage:</b>	

**Evaluation Parameters:**

	<b>Low</b>	<b>Expected</b>	<b>High</b>
<b>Output Summary - DEMAND:</b>			
Target Yield (t/ha):	8.1	9.00	9.9
Crop N Removal:	97 kg/ha	111 kg/ha	102 kg/ha

**Output Summary - SUPPLY:**

**Sample Profile Details:**

Barcode	Depth From (cm)	Depth To (cm)	Bulk Density (t/m <sup>3</sup> )	Nitrate N (mg/kg)	Ammonium N (mg/kg)	Depth Weighting	Mineral N (kg/ha)	Organic Carbon (%)
BP0021094	0.00	10.00	1.20	11	11	1.00	22.8	3.02
SM063463	10.00	60.00	1.30	3	0.31	1.00	19.5	

Soil Mineral N:	42 kg/ha	42 kg/ha	42 kg/ha
Rotation Credits:	0 kg/ha	0 kg/ha	0 kg/ha
Soil Mineralisation Credits:	38 kg/ha	38 kg/ha	38 kg/ha
Manure Credits:	0 kg/ha	0 kg/ha	0 kg/ha
Estimated Total Available N:	80 kg/ha	80 kg/ha	80 kg/ha
<b>Recommended N Rate:</b>	<b>131 kg/ha</b>	<b>154 kg/ha</b>	<b>177 kg/ha</b>
<b>Recommended N Rate (Pre-Sowing):</b>	<b>109 kg/ha</b>	<b>128 kg/ha</b>	<b>147 kg/ha</b>
<b>Recommended N Rate (Post-Sowing):</b>	<b>22 kg/ha</b>	<b>26 kg/ha</b>	<b>29 kg/ha</b>

**Comments:**

**IMPORTANT NOTE:**

The evaluation and recommendation reports provided here are a guide only, and depend on representative samples being analysed. Additionally environmental and managerial factors influence production, therefore as suppliers of this report, we do not accept any liability whatsoever arising from the application of recommendations, for any damage, loss or injury of any nature and the user takes these evaluations and recommendations on these terms. This recommendation is made in good faith, based on the best technical information available.

#### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Sample Order Automation

If an evaluation is selected for soil then only soil evaluations will appear in the drop down box making it easier to choose an evaluation.

**Add Lab Test Prelogged**

Description: Demo

Laboratory: SGS Agritech Laboratory

Purchase Order No.: 4003

Sample Date: 21/08/2009

GPS Coordinates

Format: Decimal Degrees Latitude: 0.000000

Datum: GDA94 Longitude: 0.000000

Grid: MGA94 Zone: N/A

OK Cancel

Print SIF/SOF

**Farm Details**

Farm/Paddock Details

Trading Name: Back Paddock Company

Farm: Demo Farm

Paddock: QLD Paddock

Growing Season: 2011 Winter

Paddock Section:

Soil Texture: Fine Sandy Clay Loam

Crop Info. ?

Surface Sample Details

Show Favourite Evaluations Only

Barcode	Depth From	Depth To	Bulk Density	Status	Product	Evaluation	Yield	Model
BP0011	0	10			SG-SSB-01	Cotton Irrigated- Dalby and W	10 bale	
						Cotton Irrigated- Dalby and Western Downs, Queensland [2798]		
						Cotton Irrigated- Gwydir, MacIntyre Valleys [2797]		
						Cotton Irrigated- Liverpool Plains, NSW [2803]		
						Cotton Irrigated- Lower Namoi, NSW [2800]		
						Cotton Irrigated- Macquarie and Lachlan Valley, NSW [2802]		

Sub-Soil Sample Details

Barcode	Depth From	Depth To	Bulk Density	Status	Product
	10				

### Contact Us:

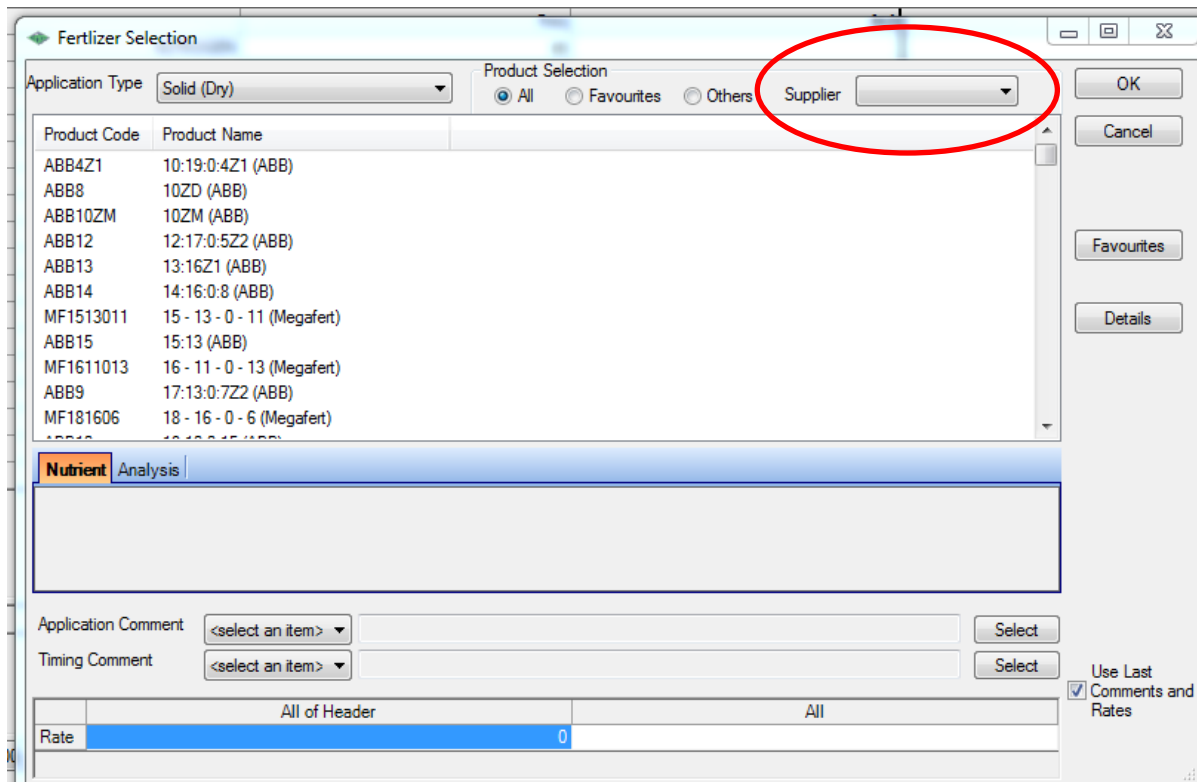
**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)

## Supplier Column

When adding fertiliser there is now a field for searching for fertilisers by the supplier name.



**Fertilizer Selection**

Application Type: Solid (Dry)

Product Selection: ☒ All ☐ Favourites ☐ Others

Supplier: ▼

Product Code	Product Name
ABB4Z1	10:19:0:4Z1 (ABB)
ABB8	10ZD (ABB)
ABB10ZM	10ZM (ABB)
ABB12	12:17:0:5Z2 (ABB)
ABB13	13:16Z1 (ABB)
ABB14	14:16:0:8 (ABB)
MF1513011	15 - 13 - 0 - 11 (Megafert)
ABB15	15:13 (ABB)
MF1611013	16 - 11 - 0 - 13 (Megafert)
ABB9	17:13:0:7Z2 (ABB)
MF181606	18 - 16 - 0 - 6 (Megafert)

**Nutrient** Analysis

Application Comment: <select an item> Select

Timing Comment: <select an item> Select

Use Last Comments and Rates: ☒

	All of Header	All
Rate	0	

### Contact Us:

**Freecall Helpdesk:** 1800 557 166

Helpdesk assistance is available Monday to Friday from 8:00am to 5pm (AEST)

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)





       **NOTES**        

**Email:** [support@backpaddock.com.au](mailto:support@backpaddock.com.au) **Web:** [www.backpaddock.com.au](http://www.backpaddock.com.au)