



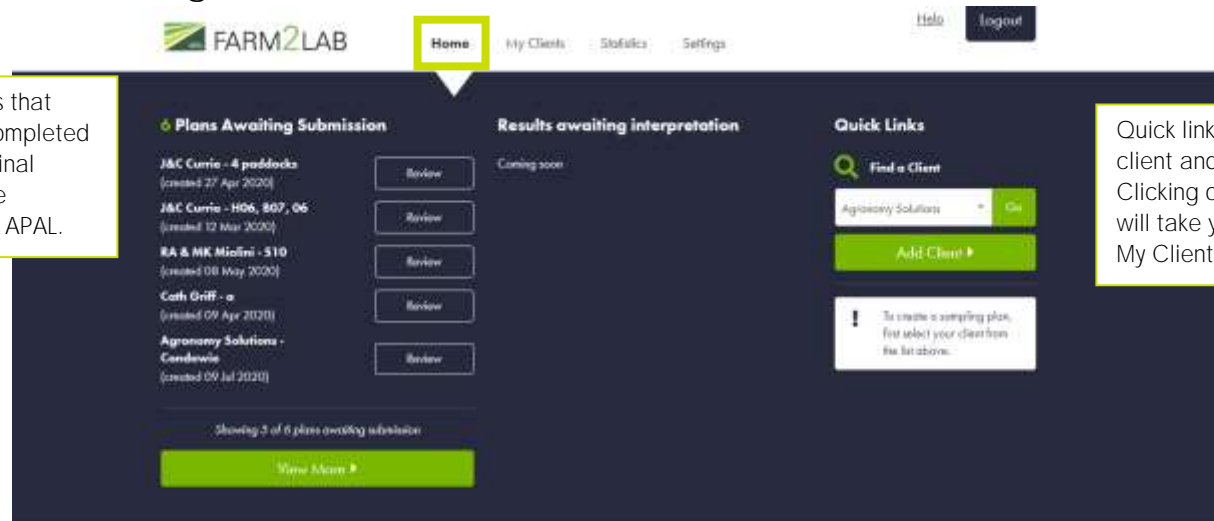
# FARM2LAB User Guide



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## Home Page



The screenshot shows the FARM2LAB Home Page. The top navigation bar includes 'Home' (highlighted), 'My Clients', 'Statistics', and 'Settings'. On the right, there are links for 'Help' and 'Logout'. The main content area is divided into three sections: 'Plans Awaiting Submission', 'Results awaiting interpretation', and 'Quick Links'. The 'Plans Awaiting Submission' section lists five plans with 'Review' buttons. The 'Results awaiting interpretation' section shows 'Coming soon'. The 'Quick Links' section has a 'Find a Client' search bar, an 'Add Client' button, and a message about creating a sampling plan.

**Plans Awaiting Submission**

Plan Name	Created	Action
J&C Currie - 4 paddocks	(created 27 Apr 2020)	Review
J&C Currie - H06, H07, H09	(created 12 Mar 2020)	Review
RA & MK Mielini - S10	(created 08 May 2020)	Review
Cath Griff - a	(created 09 Apr 2020)	Review
Agronomy Solutions - Condewie	(created 09 Jul 2020)	Review

Showing 2 of 6 plans awaiting submission

[View More](#)

**Results awaiting interpretation**

Coming soon

**Quick Links**

[Find a Client](#)

[Add Client](#)

To create a sampling plan, first select your client from the list above.

Sample plans that have been completed and require final review before submitting to APAL.

Quick link to find client and add client. Clicking on the client will take you to their My Client page.

All Sampling

Find a Client or Plan

Plan Name	Created by	Last action	Status	Actions
J&C Currie - H02, H07, H09	opalsbold	24 Jul 2020	Ready for sampling	<a href="#">Edit</a> <a href="#">+</a>
J&C Currie - 7 paddocks	opalsbold	23 Jul 2020	Ready for sampling	<a href="#">Edit</a> <a href="#">+</a>

Sample plans which have been created and synced with mobile device awaiting paddock sampling.

# My Clients

The screenshot shows the FARM2LAB 'My Clients' page. The 'My Clients' tab is highlighted in the top navigation bar. Below the navigation bar, there is a search bar labeled 'Find a Client' and an 'Add Client' button. The 'Active' tab is selected, showing a list of clients. A yellow box highlights the 'Active' tab and a text box explains that active clients' sample data is within the last 12 months. The table lists clients with columns for Client Name, Postcode, Client Reference, and Actions.

Client Name	Postcode	Client Reference	Actions
Abbeynauld Farms	6363		View
Agronomy Solutions	5022	Sean	View
Blackstump Farming	6368	123	View
Borda Downs	6369	P Wanless	View
Crystalbrook Cane Cooperative	4871		View

This screenshot shows the same 'My Clients' page, but with the 'Add Client' button highlighted by a yellow box. A tooltip is visible next to the button, indicating options to 'Add clients from a list' or 'Merge Clients'. A yellow box on the right side of the page explains the function of the 'Add Client' dropdown.

Use dropdown to add clients from organisations list or merge data together. Submission information is free type.

FARM2LAB

[Home](#)[My Clients](#)[Statistics](#)[Settings](#)

[Help](#)[Logout](#)

My Clients

Find a Client

Add Client

AllActive

Not Sampled in 12mths

Show 10 entries

Client Name	Postcode	Client Reference	Actions
Abbeynold Farms	6363		View
Agronomy Solutions	5022	Sean	ViewView CustomerCreate PlanEdit CustomerSet as Inactive
Blackstump Farming	6368	123	View
Borda Downs	6369	P Wireless	View

Use dropdown to view client information, create plan, change client details or set as inactive which will take them off the list.



Client name can be clicked on to view information.

FARM2LAB Home **My Clients** Statistics Settings Help Logout

## My Clients

Find a Client [Add Client](#) Add clients from a list Merge Clients

All **Active** Not Sampled in 12mths

Show 10 entries

Client Name	Postcode	Client Reference	Actions
Abbeynould Farms	6363		<a href="#">View</a>
<b>Agromy Solutions</b>	5022	Seon	<a href="#">View</a>
Blackstump Farming	6368	123	<a href="#">View</a>

FARM2LAB Home **My Clients** Statistics Settings Help Logout

## Agromy Solutions

[Create a Sampling Plan](#)

Sub ID	Date Submitted	# Samples	Status	Actions
0	27 Nov, 2019	74 soil	Results Returned	<a href="#">Download</a>
0	27 Nov, 2019	74 soil	Results Returned	<a href="#">Download</a>
0	1 Jul, 2020	4 soil	Results Returned	<a href="#">Download</a>
0	27 Nov, 2020	74 soil	Results Returned	<a href="#">Download</a>
0	27 Nov, 2020	74 soil	Results Returned	<a href="#">Download</a>

[View Sampling Map](#) [Upload](#) [View Paddocks](#)

Individual client overview. All uploaded and direct lab results (GPS coordinates required for direct from lab upload).

Historical information can be uploaded by paddock provided paddock boundary and paddock field in template are EXACTLY the same.

APAL Australian Precision Ag Laboratory 5A (08) 8332 0199

[View Sampling Map](#)

[Upload](#) [View Paddocks](#)

Paddock Boundaries  
Paddock Zones  
Soil Samples

Data upload – paddock boundaries accepted in .shp, .kmz and .kml form as are paddock zones. NOTE: paddock zones can only be uploaded if there are existing paddock boundaries.

### Upload Paddock Boundaries

Select file (\*.shp, \*.kmz, \*.kml)


Note: If uploading to coordinates from a .shp file you also need to select the associated .dbf and .prj files

[Choose File](#) 1 file chosen

[Upload](#)



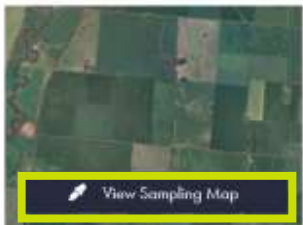
## View sampling map


[Home](#)
[My Clients](#)
[Statistics](#)
[Settings](#)
[Help](#)
[Logout](#)


### Agronomy Solutions

[Create a Sampling Plan](#)

Sub ID	Date Submitted	# Samples	Status	Actions
0	27 Nov, 2019	74 soil	Results Returned	<a href="#">Download</a>
0	27 Nov, 2019	74 soil	Results Returned	<a href="#">Download</a>
0	1 Jul, 2020	4 soil	Results Returned	<a href="#">Download</a>
0	27 Nov, 2020	74 soil	Results Returned	<a href="#">Download</a>
0	27 Nov, 2020	74 soil	Results Returned	<a href="#">Download</a>


[View Sampling Map](#)

[Upload](#)
[View Paddocks](#)



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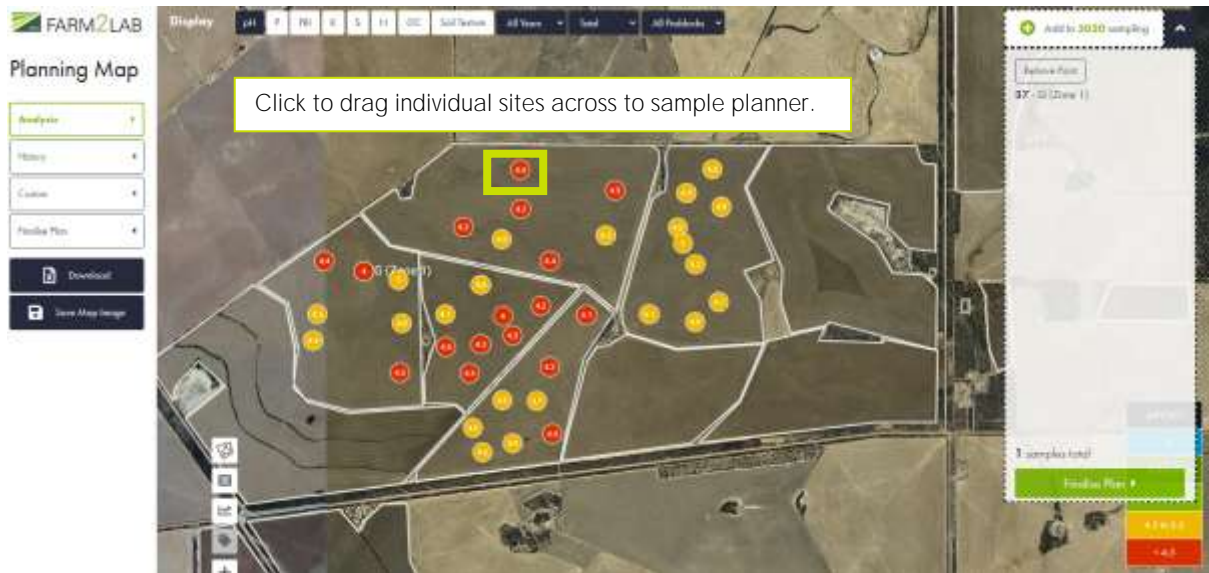






## Start a sampling plan – Analysis

Use historical sample information to inform the next sampling plan. Choose from the nutrients across the top (right click for more where available) or soil texture. All years, sample depth and individual paddocks can be chosen by clicking on the down arrow next to each text.







## Sample Planning – Previous plans

The image displays two screenshots of the FARM2LAB Planning Map interface, illustrating how to manage sampling plans.

**Top Screenshot:** The interface shows the 'Planning Map' with a sidebar on the left. The 'History' tab is selected. The 'Set resample period' dropdown is set to '1 year'. A text box indicates: "Set resample period. Legend on the right." The map shows a grid of sampling points, with a legend on the right indicating the age of the samples (e.g., 2 years ago, 1 year ago, etc.).

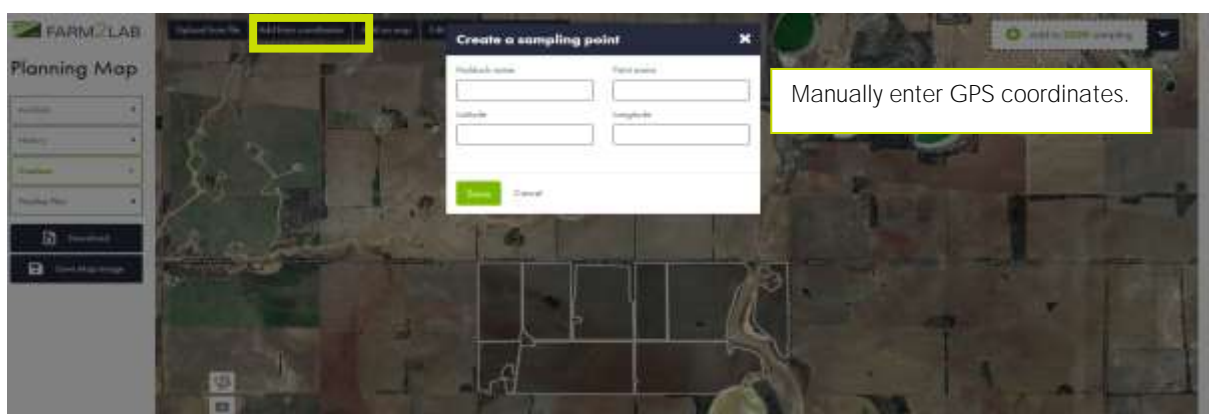
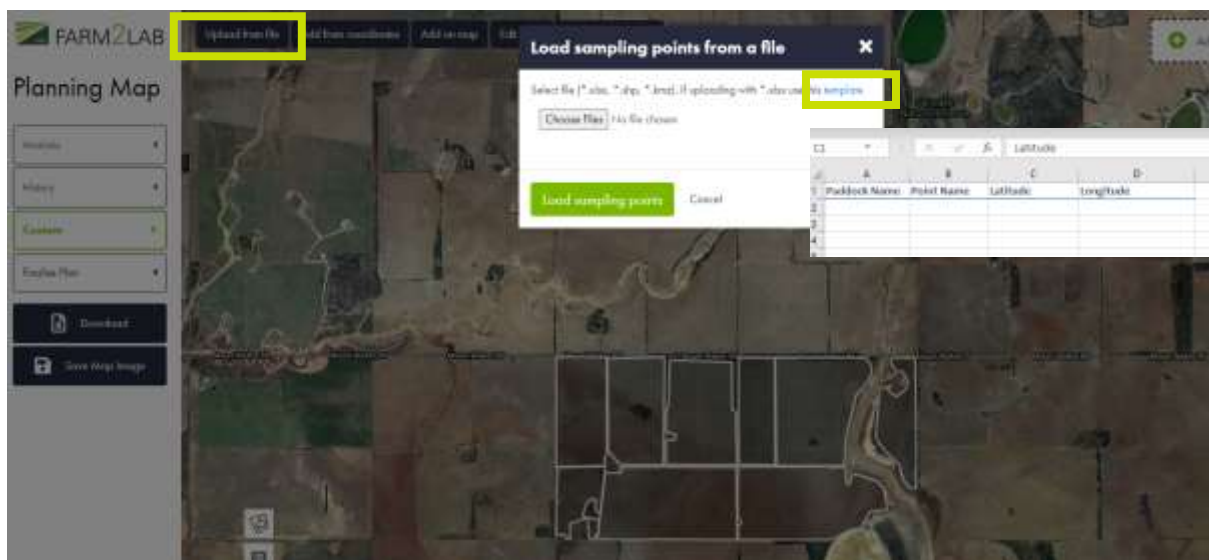
**Bottom Screenshot:** The interface shows the 'Planning Map' with the 'History' tab selected. The 'Set resample period' dropdown is set to '1 year'. A text box indicates: "Choose a previous submission to re-sample." The map shows a grid of sampling points, with a legend on the right indicating the age of the samples (e.g., 2 years ago, 1 year ago, etc.).

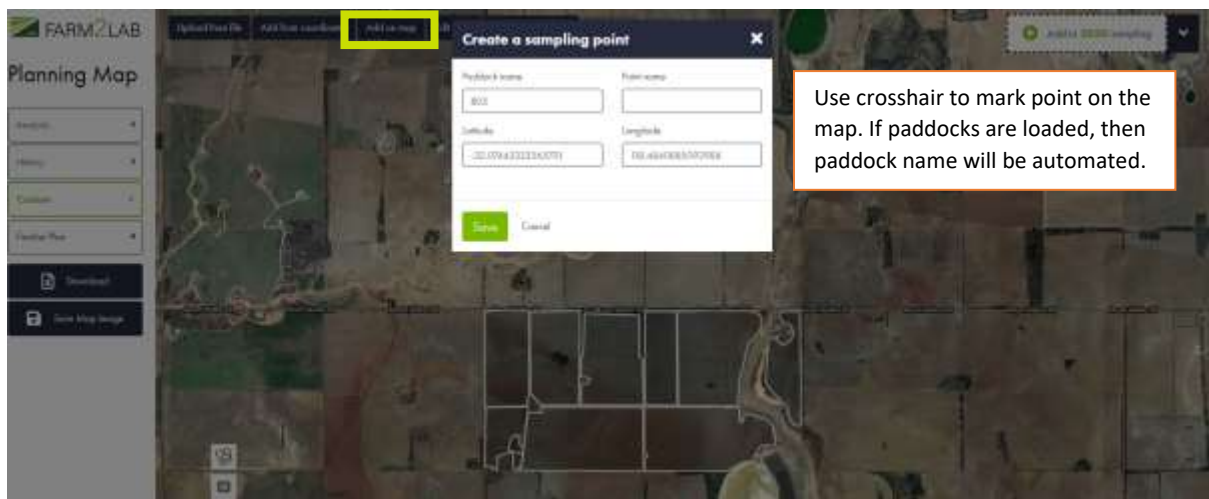


## Sample Planning – Custom



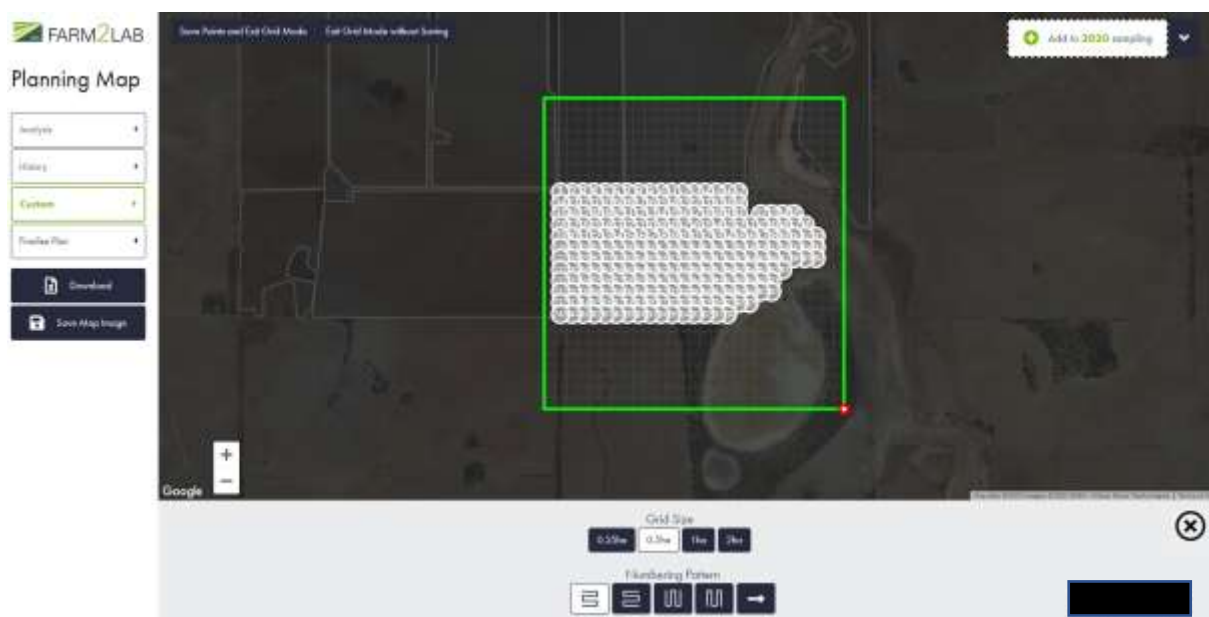
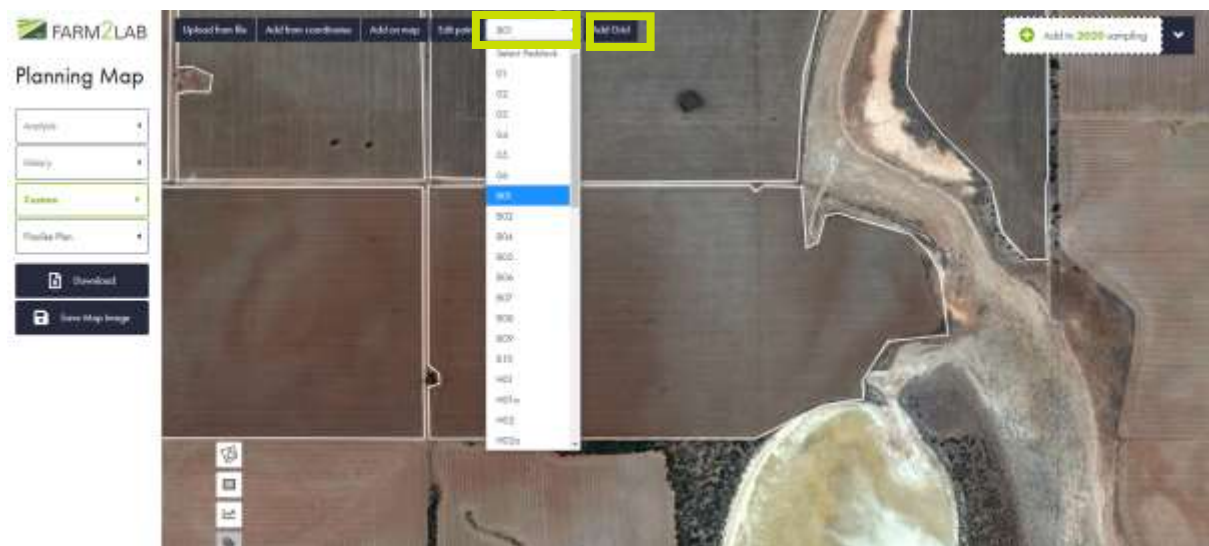
Import historical files with GPS locations (does not require existing paddock boundaries to import). If manually bringing in via Excel, use the inserted template. Do not change or add in any other column headings.

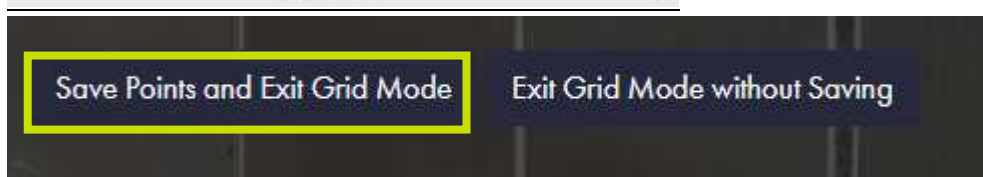
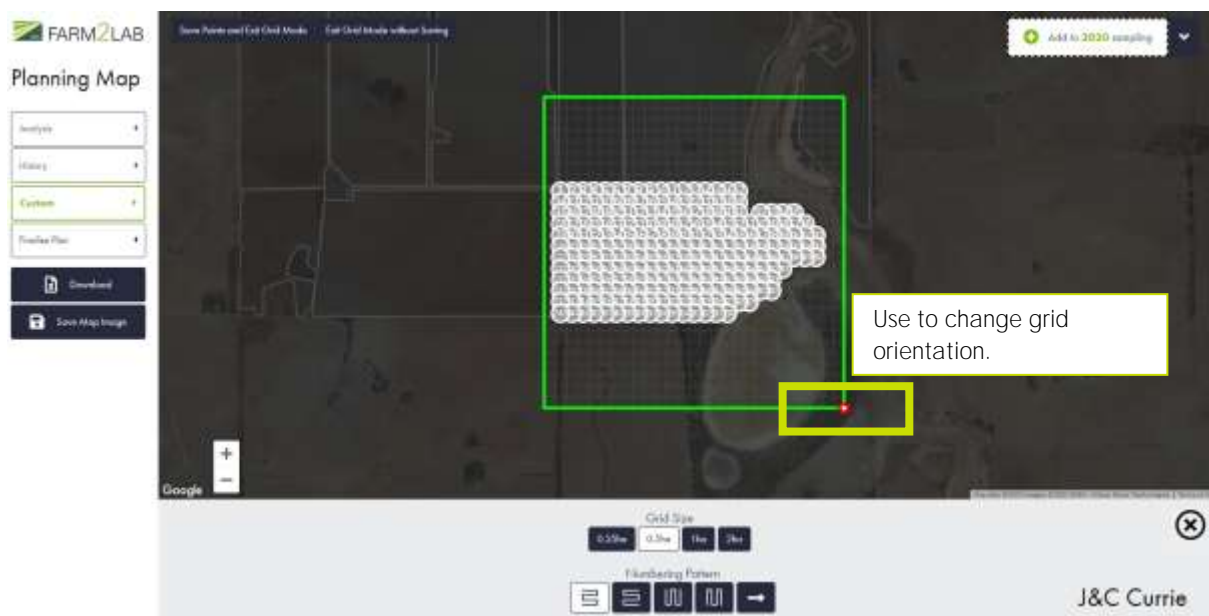
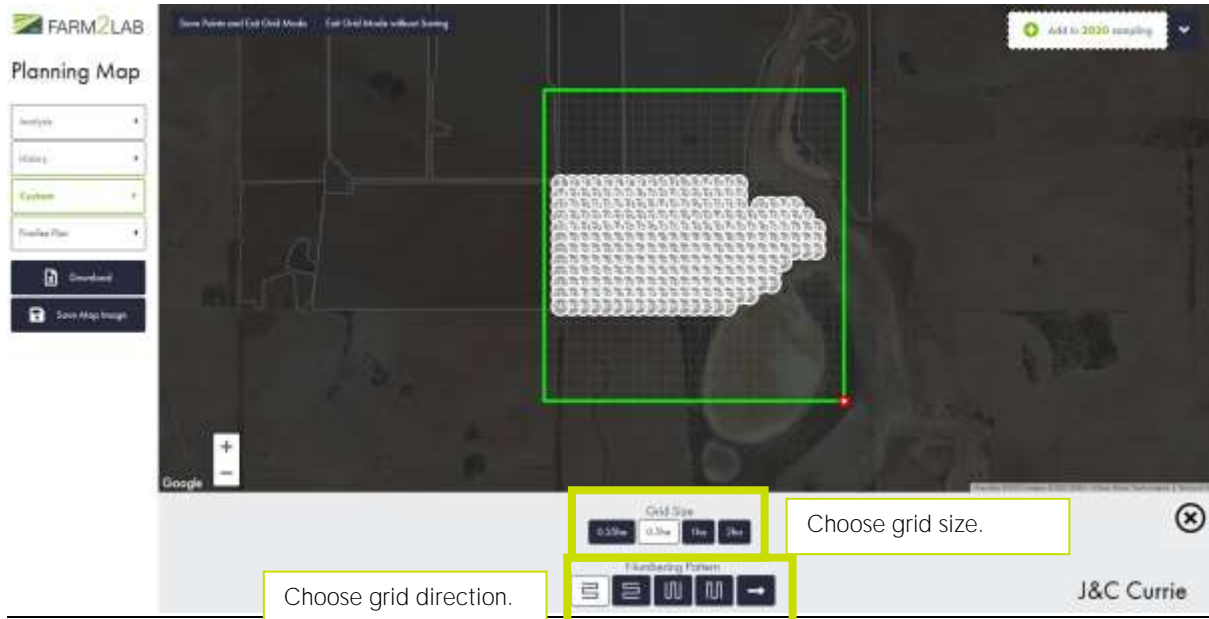




## Sample Planning – Grid

Select a paddock from the drop down before adding grid. Once selected, click 'Add Grid'.









### Edit a sampling point

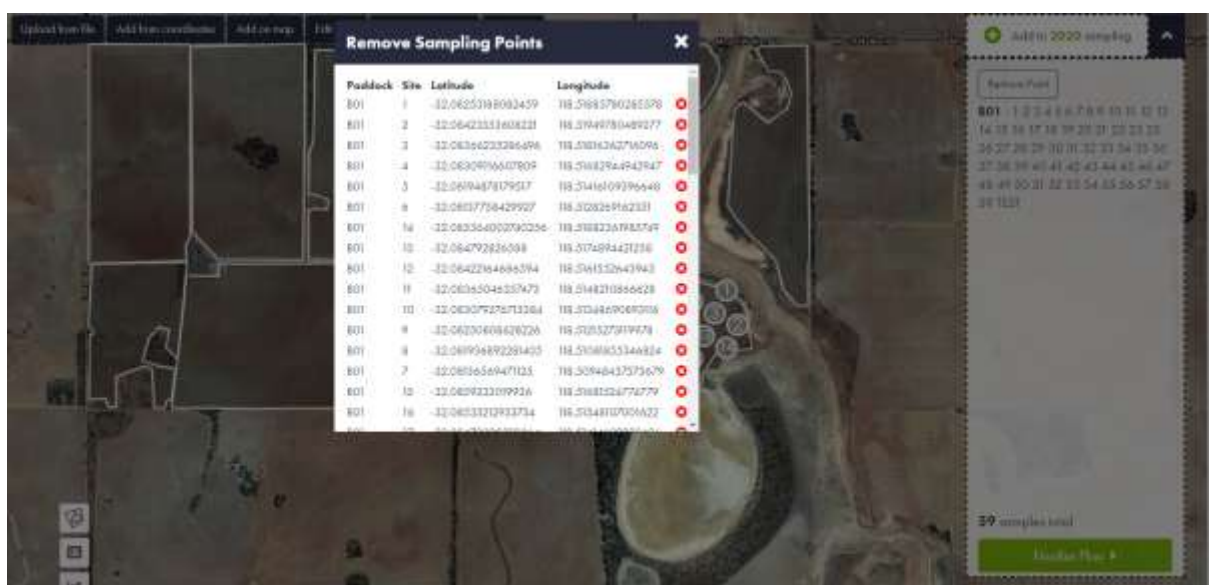
Paddock name

Point name

Latitude

Longitude

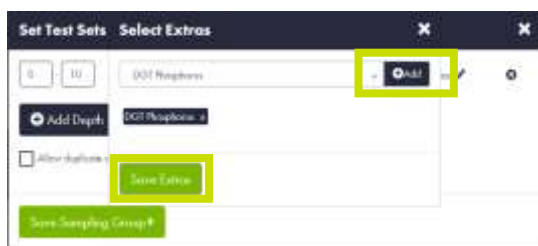
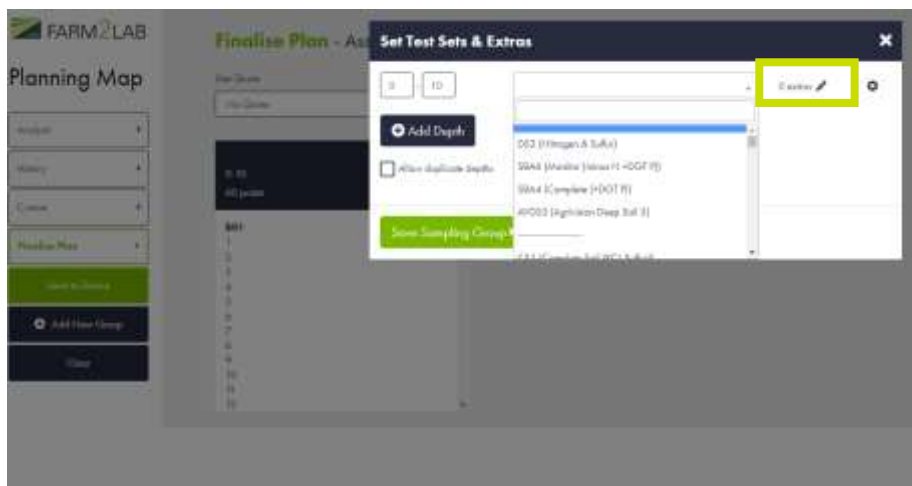
If sample points do not line up as expected, they can be moved to avoid the area not to be sampled. The edit and remove function can be used to change point location and name.



## Finalise Plan



Choose test sets. Any tests nominated as favourites will appear at the top of the list.



To add extras, click the pencil, choose from the list and click add, then save extras.



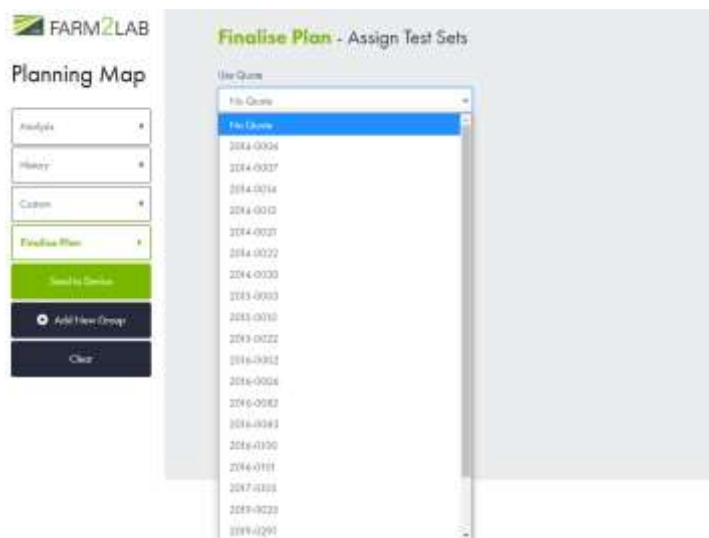
Multiple depths can be added. Each depth increment will default to 10cm. Manually override to change. Different test sets and extras can be chosen.

Multiple depths 0 - 10 + 0 - 60cm can be chosen by clicking all duplicate depths.

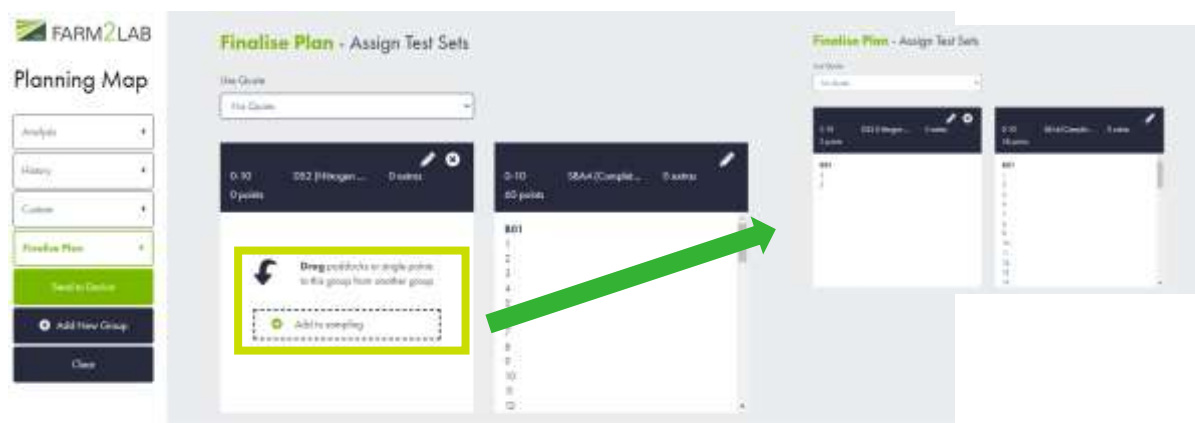
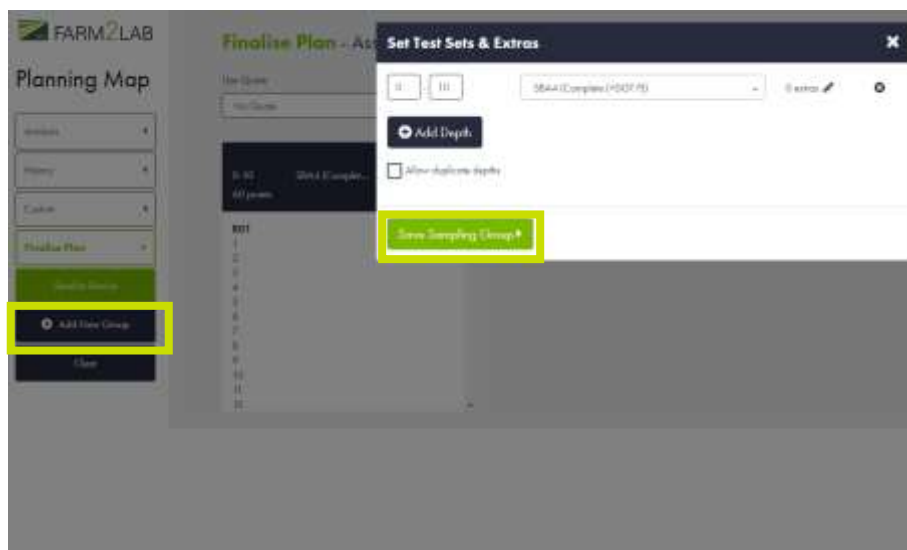
Save Sampling Group ►

Click Save Sampling Group to finish.

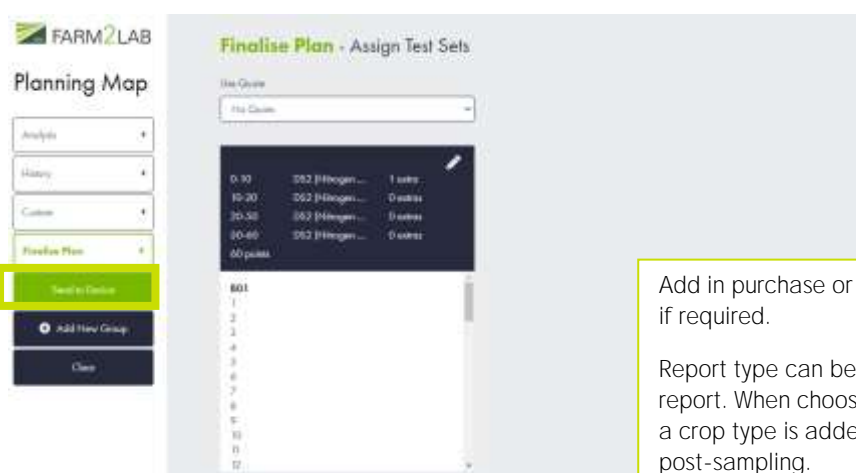
If you have a quote, this can be chosen prior to choosing test set. The applicable quote will then be applied to the \*whole plan.



To add multiple test codes to the same submission, click 'Add New Group'.



Once finished, click 'Send to Device' which will allow you to add in admin information.



Add in purchase or client number for your reference if required.

Report type can be data only (Excel) or a technical report. When choosing a technical report, make sure a crop type is added before submitting to the lab post-sampling.

Uploading to other platforms is applicable for Agworld and \*Back Paddock only.

Any sampling instructions and the sample plan can be assigned to another user within your organisation to carry out the sampling.

Click 'Confirm' to finalise sync.



The sampling plan is now visible on the mobile device and homepage ready for sampling. The sampling plan can be edited at any stage before the actual in-paddock sampling has commenced.

All Sampling Find a Client or Plan

Plan Name	Created by	Last action	Status	Actions
██████████ - #01	aprilbould	04 Aug 2020	Ready for sampling	<span>Edit</span> <span>ⓘ</span>
██████████ - H02, H07, H09	aprilbould	24 Jul 2020	Ready for sampling	<span>Edit</span> <span>ⓘ</span>
██████████ - 7 paddocks	aprilbould	23 Jul 2020	Ready for sampling	<span>Edit</span> <span>ⓘ</span>

# Statistics





**FARM2LAB**

Home My Clients **Statistics** Settings Help Logout

### Statistics

All

#### 2020 Testing by Week

Total 2020 Samples

Category	Total 2020 Samples
soil	57458
plant	0

+9286 from this time last year

View Trend Maps




View by soil type.







# Settings



[Home](#) [My Clients](#) [Statistics](#) **Settings** [Help](#) [Logout](#)

Settings

Plan Creation Defaults

☐ Populate From Previous

☐ Use specific test set

☒ None

Use for fast creation of sample plan.

Sampling Distance Tolerance

As you will not always return to exactly the same location to complete sampling, we allow a tolerance level at which we merge points - by default, if two points are within 30m of each other we assume you are probably trying to sample the same point. You can change this tolerance below if you plan to carry out more precise sampling.

30

m

Default site distance. Sites within this distance will be combined.

Default Tests

Use the dropdown lists below to select the specific tests to be displayed by default on the results map.

Default pH Test

pH CaCl2

Default P Test

P Colwell

Default K Test

K Colwell

Default N Test

N Nitrate

Default S Test

S KCl

Default nutrient viewed in maps.

Bulk Density

0-10cm

1.2

kg/m<sup>3</sup>

10-20cm


kg/m<sup>3</sup>

>20cm

kg/m<sup>3</sup>

Save

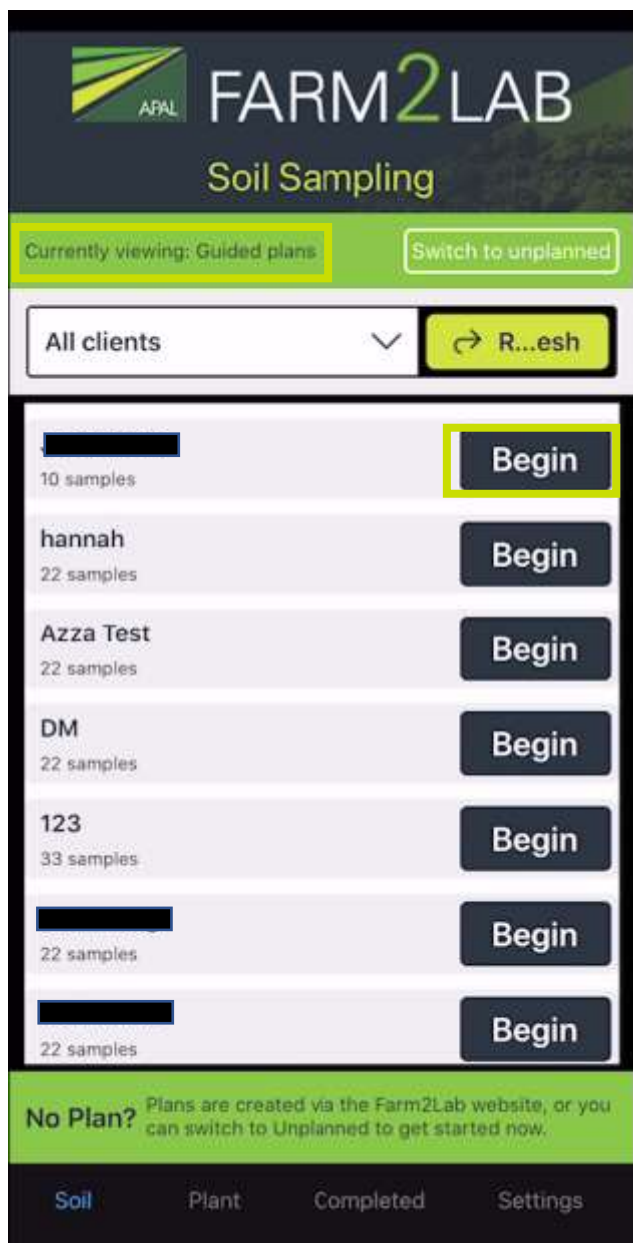
Used for total N kg/ha calculation under My Client Analysis (see My Clients for more information).



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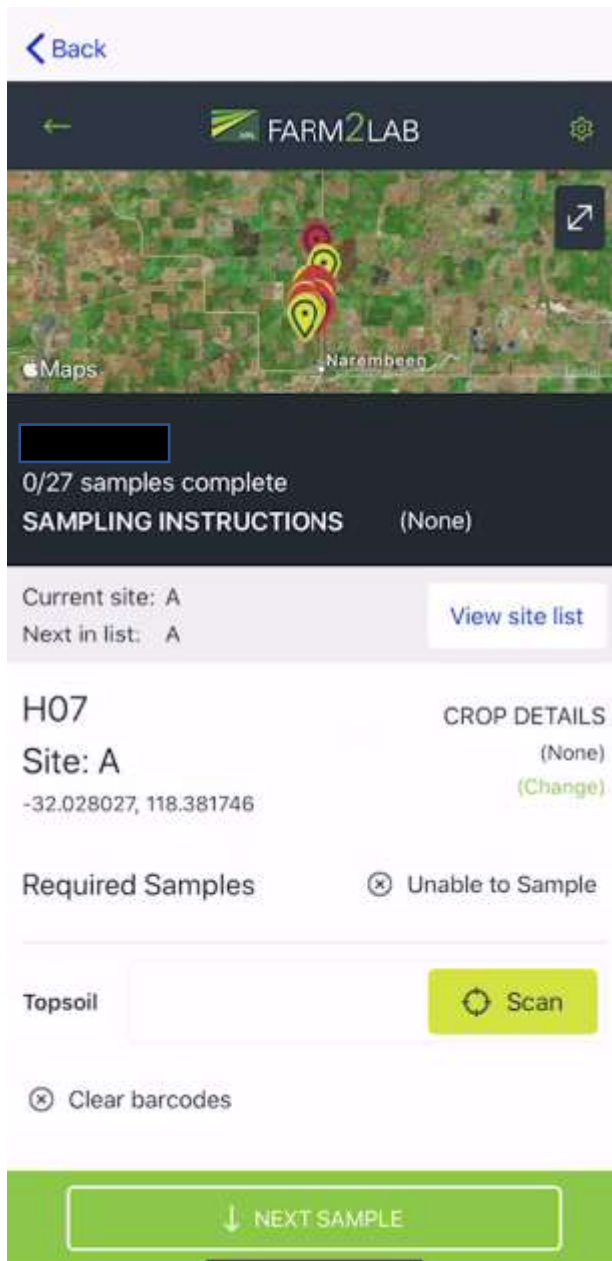
## FARM2LAB – Mobile



The default view in the app is 'Guided plans'. These are plans that have been created with a known sampling location. To sample manually, tap 'Switch to unplanned'.

View by clients. If making changes on the web platform, tap 'refresh' to update.

All sample plans will be visible. To commence sampling, tap 'Begin'.



The default view will bring up the cursor in the scan box. This helps when a Bluetooth scanner is connected.

Use arrows to open up the map view.

To view all sites tap 'View site list'.

Once you are on the site location, tap 'Scan' to add in the bag barcode. This barcode is now unique to that site for all applicable information





0/27 samples complete  
**SAMPLING INSTRUCTIONS** (None)

Current site: A  
 Next in list: A

[View site list](#)

H07  
 Site: A  
 -32.028027, 118.381746

CROP DETAILS  
 (None)  
[\(Change\)](#)

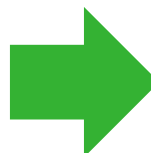
Required Samples ☒ Unable to Sample

Topsoil

Scan

☒ Clear barcodes

↓ NEXT SAMPLE



Current site: A  
 Next in list: A [View site list](#)

H07  
 Site: A  
 -32.028027, 118.381746

CROP DETAILS  
 (None)  
[\(Change\)](#)

Required Samples ☒ Unable to Sample

Topsoil **110324065** Rescan

☒ Clear barcodes

↓ NEXT SAMPLE

Current site: A  
 Next in list: A [View site list](#)

H07  
 Site: A  
 -32.028027, 118.381746

CROP DETAILS  
 (None)  
[\(Change\)](#)

Required Samples ☒ Unable to Sample

Topsoil 110324065 Rescan

☒ Clear barcodes

↓ NEXT SAMPLE

Current site: A  
Next in list: A [View site list](#)

H07  
Site: A  
-32.028027, 118.381746

Required Samples: ☒ Unable to Sample

Topsoil 110324065 ☐ Rescan

☒ Clear barcodes

[NEXT SAMPLE](#)

If you are ever unable to complete the sampling depth, choose 'Unable to sample'. This will move you on to the next site.

If you are unable to sample due to time or weather constraints at the time of reviewing the sample plan prior to submission in the online portal, these sites can be used to create another sampling plan. This allows you to send what has been sampled off to the lab without losing the points for the yet-to-be-sampled sites.

Repeat until all sites have been sampled. Once sampling has been completed, the box will change from 'Next sample' to 'Submit plan'.

[Submit Plan](#)

Submit?  
Are you sure you want to submit this plan?

[Cancel](#) [OK](#)

Submit success  
Plan submitted for review successfully.

[OK](#)

The finalised sample plan will now be available on the web platform for review prior to submission to the lab.

**FARM2LAB** Home My Clients Analytics Settings Help [Logout](#)

**Plans Awaiting Submission**

J&C Centre - 4 paddocks (created 27 Apr 2020)	<a href="#">Review</a>
J&C Centre - H06, H07, 08 (created 12 May 2020)	<a href="#">Review</a>
BA & PK MacIs - S10 (created 08 May 2020)	<a href="#">Review</a>
Cash Gully - a (created 09 Apr 2020)	<a href="#">Review</a>
J&C Centre - H02, H03a (created 08 Aug 2020)	<a href="#">Review</a>

Showing 5 of 7 plans awaiting submission.

[View More](#)

**Results awaiting interpretation**

Culling zone

**Quick Links**

[Find a Client](#)

[Go](#)

[Add Client](#)

**To create a sampling plan, first select your client from the list above.**

**FARM2LAB** Home My Clients Analytics Settings Help [Logout](#)

**Review Sampling Plan**

**Client details**

Previous Order or Client Number

Name

Postcode

**Reporting**

Report Type

Depth

**Sampled Points**

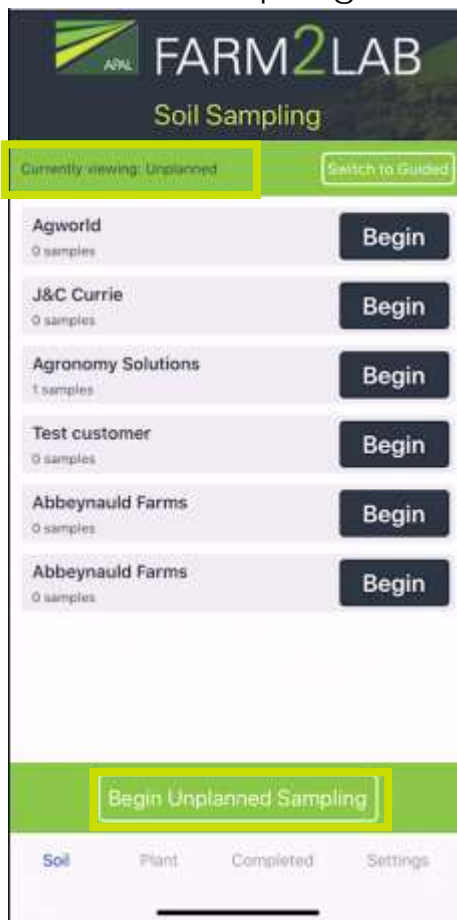
Name	Site	Depth	Barcode	Station	Notes	Time	Photo
H07-1	-32.028027, 118.381746	0.05		01 1 (Yellow) (Soil)	Not marked as available to be sampled		
H07-2	-32.028027, 118.381746	0.05		01 2 (Yellow) (Soil)	Not marked as available to be sampled		

[Submit to APAL](#) [Cancel](#) [Submit to APAL](#) [Download plan \(CSV\)](#) [Manually add a point](#)

Review: If the report type is changed to technical, make sure a crop type is added. There will be a prompt before submitting if this step is not actioned.

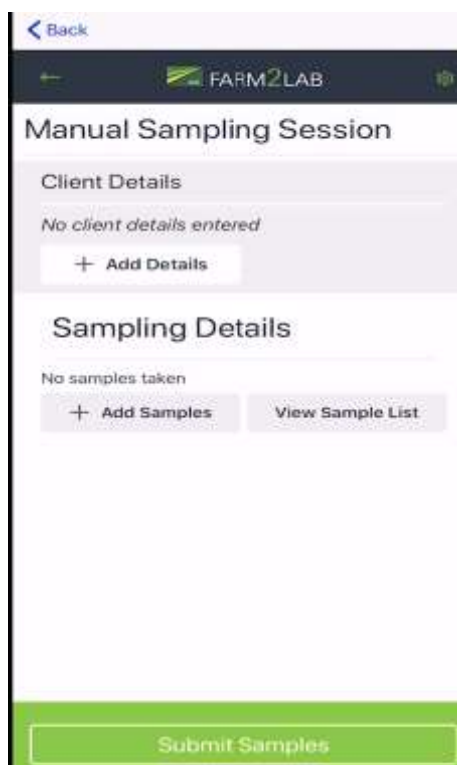
'Submit to APAL' will send the submission information to the lab to await the physical receipt of the samples. Tests and information can be changed up until the point of receipt at the lab.

## Manual Sampling - Mobile



Manual sample plans can be started and finished later. The only way the data will be lost is to uninstall and reinstall the app. NOTE: the data will only be available on the device that is being used.

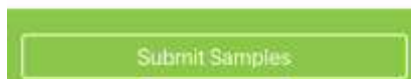
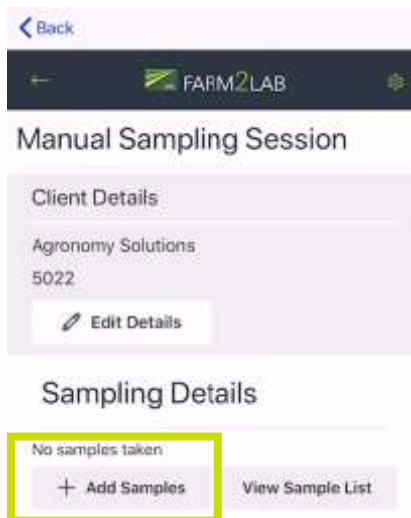
To start a new manual sampling submission, tap 'Begin unplanned sampling'.

The screenshot shows the 'Client Details' form. It has a 'Back' button at the top left and the FARM2LAB logo at the top right. The form is titled 'Client Details' and has a section for 'Existing Customer' with a dropdown menu labeled 'Select an existing client'. Below this, there are input fields for 'Customer name', 'Customer reference', 'Purchase order', and 'Postcode'. There is also a 'Use Quote' dropdown menu with 'No Quote' selected. At the bottom right, there is a 'Done' button.

Choose from an existing customer or enter in new details. If applicable, quotes can be chosen at this point.

Details of existing customers will be automatically populated.





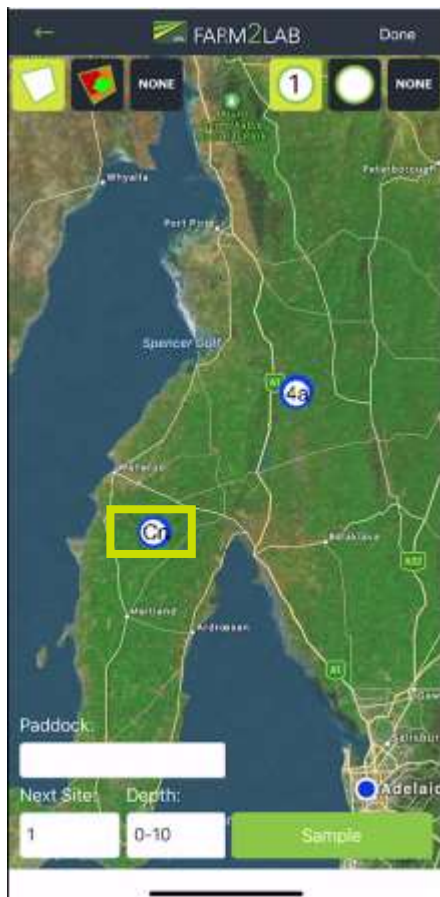
#### Sample tab options



1. Paddock boundaries on
2. Paddock zones on
3. Off
4. Sample names on
5. No sample names but visible
6. Off

Paddock name will be auto populated if there are existing boundaries, next site changes with numerical 1,2,3.

Tap to change sample depth.





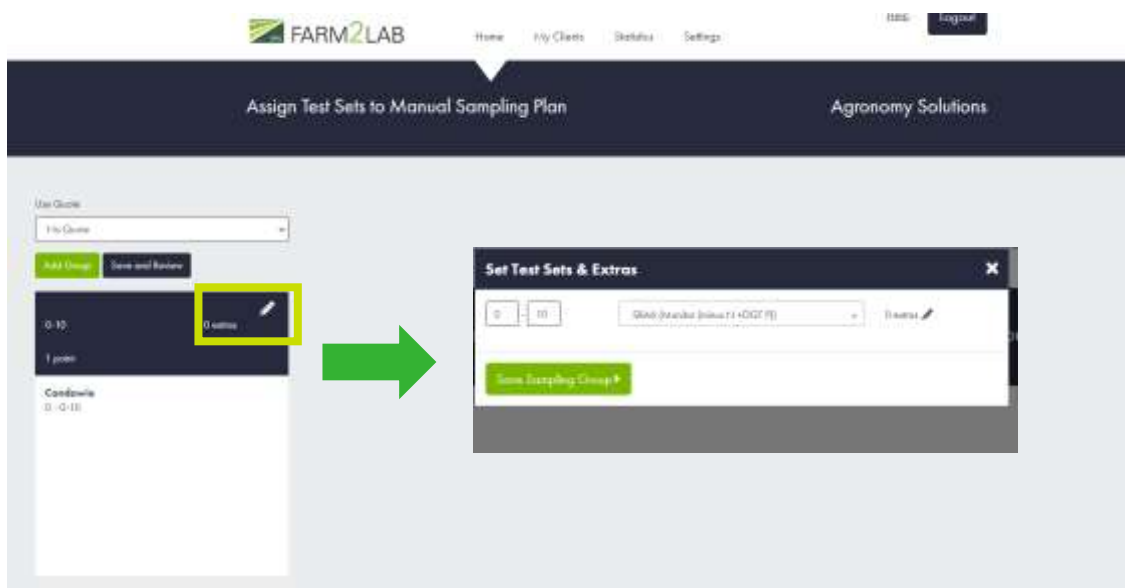
Another example



Once completed, sample plan is available on the web platform for completion where you can add test sets etc.



Agronomy Solutions - Candowie	opolsbold	09 Jul 2020	Awaiting Review	Review	✕
Agronomy Solutions - Candowie	opolsbold	09 Jun 2020	Ready for sampling	Edit	✕



[Home](#)
[My Clients](#)
[Statistics](#)
[Settings](#)
1885
[Logout](#)

Assign Test Sets to Manual Sampling Plan
Agronomy Solutions

Use Client

Add Client
Save and Review

0-10
0 values

1 point

Condowie  
0-10-11

Review Sampling Plan

Client details

Purchase Order or Client Number

Name

Postcode

Reporting

Report Type

Upload

Sampled Points

Name	GPS	Depth	Barcode	Test Set	Extras	Crop	Notes
Condowie-D	-34.9015383581204, 138.568120381027	0-10	110324065	S&A6-Monitor (minus 11 +DOT F)			

Submit to APAL

Cancel

Update All Crops

Create new plot from unsampled points

Manually add a point

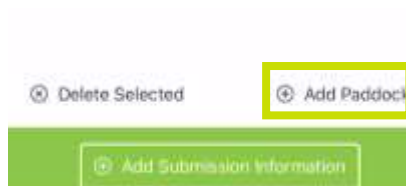
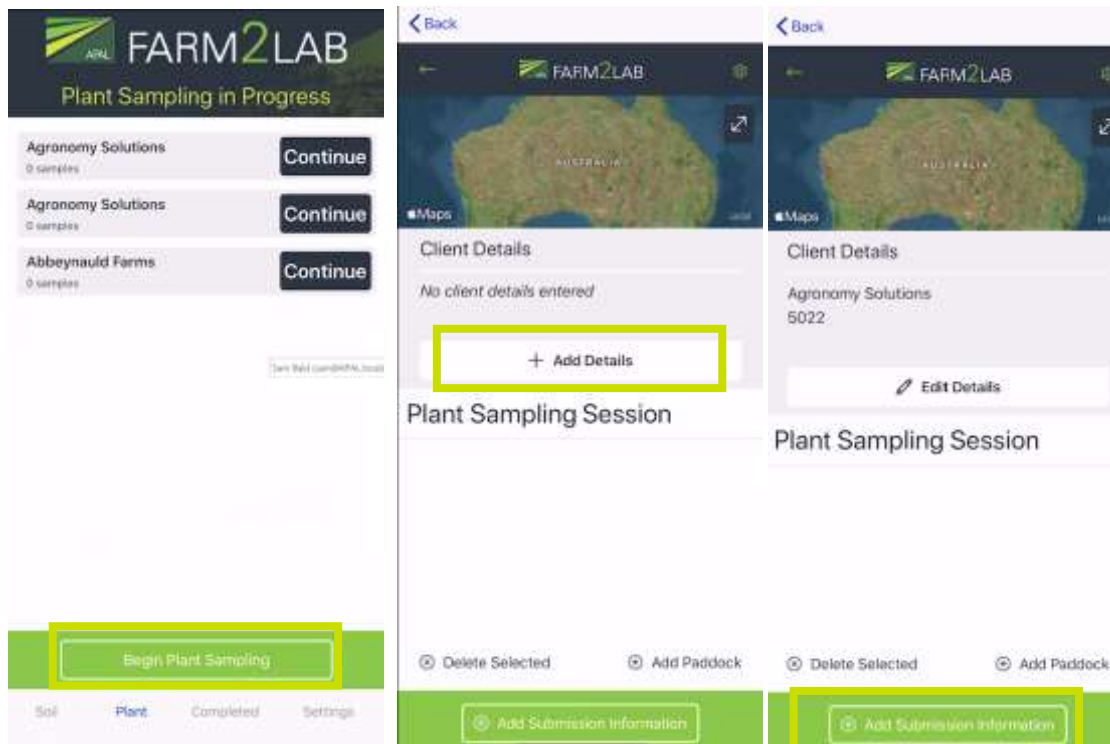
All successful submissions will receive and email back from APAL.

Apal Laboratory Submissions
New Online Sample Submission: APAL Agricultural ...
Your new submission online or via the Apal mobile

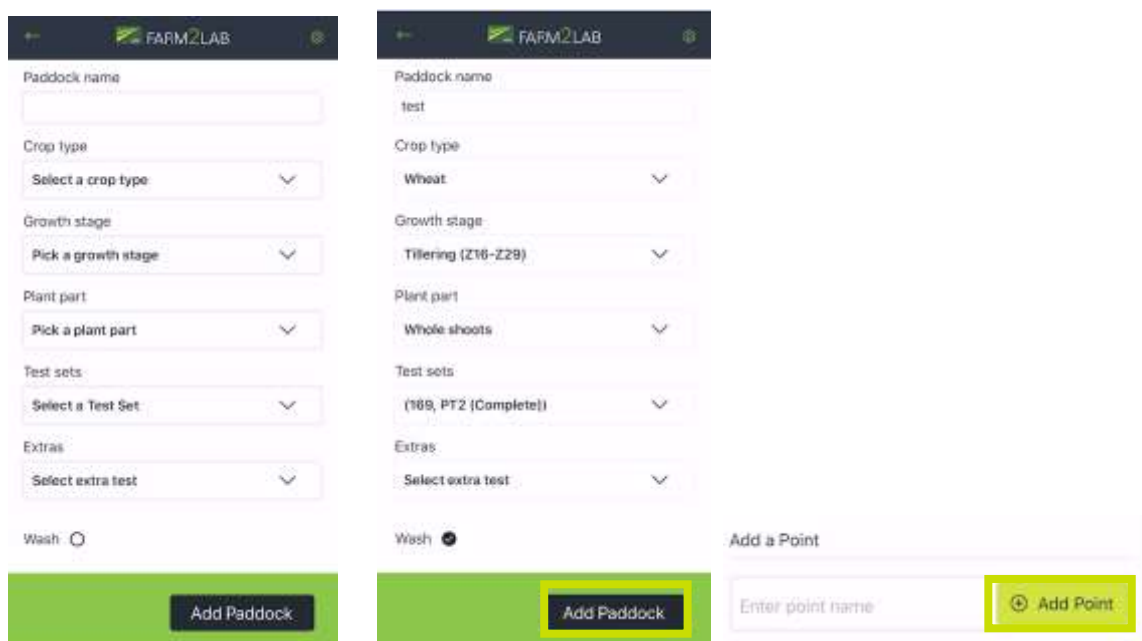
1:51 PM

# Plant Sampling

Plant sampling is only able to be completed manually.



Fill out details.



Make sure to click the pin drop icon to record location.


Scan barcode.

Use the description to help with identifying sampled area.

Plant count where biomass is required.

Use add point to add samples.

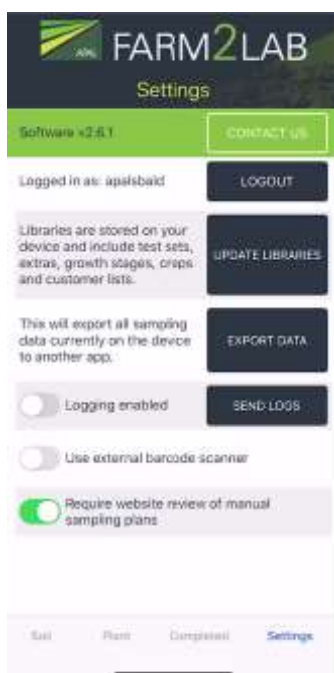
Complete paddock when all samples are taken.

 Tap the edit icon to change plant test, choose site description and add in plant count.

## Completed summary of recent sampling events



## Mobile Settings



Use contact us to email enquiries,

Update libraries where changes have occurred on the web platform or APAL online. Changes could be access to growth stages, new crops added, new customer etc.

Export data to a new mobile device.

If any issues are experienced turn on send logs to enable our developers to visualise your experience.

Turn on barcode scanner when using, note this will disable the keyboard.

Turn require website review on/off. When off, sample plans will submit directly to the lab with no opportunity to review.