

Registering and Using BASES

Step 1. Registering

Currently the way to register for BASES is to contact Berryworld (rob@berryworld.co.nz) and provide the following details:

Grower Name:

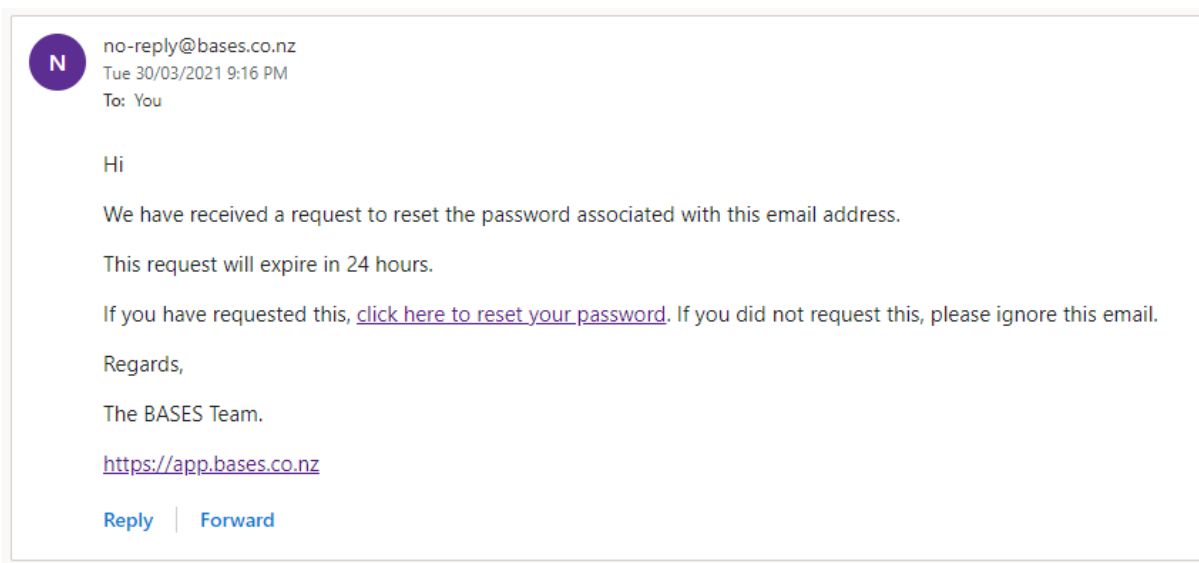
Organisation Name:

Email:

Crop Grown: (out of blueberries, strawberries, boysenberries)

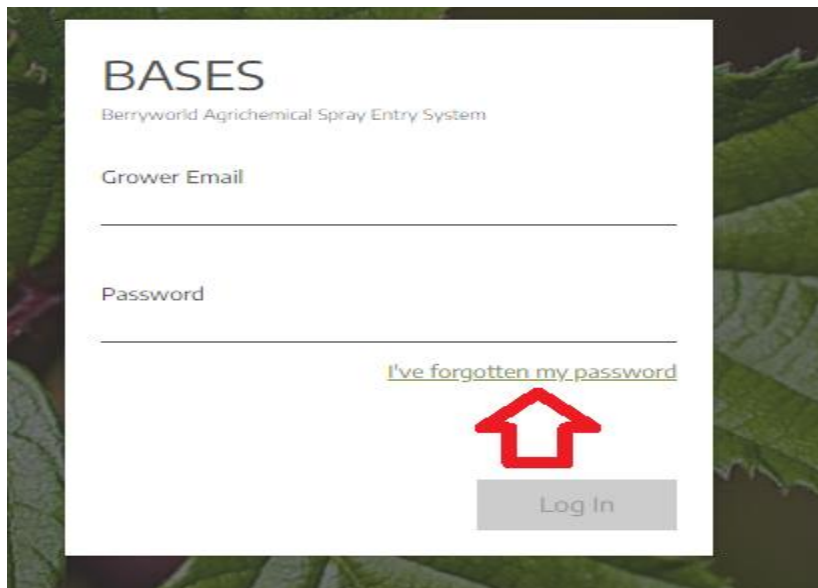
Grower Number:

Within 24 hours, you will receive an email that looks like this:



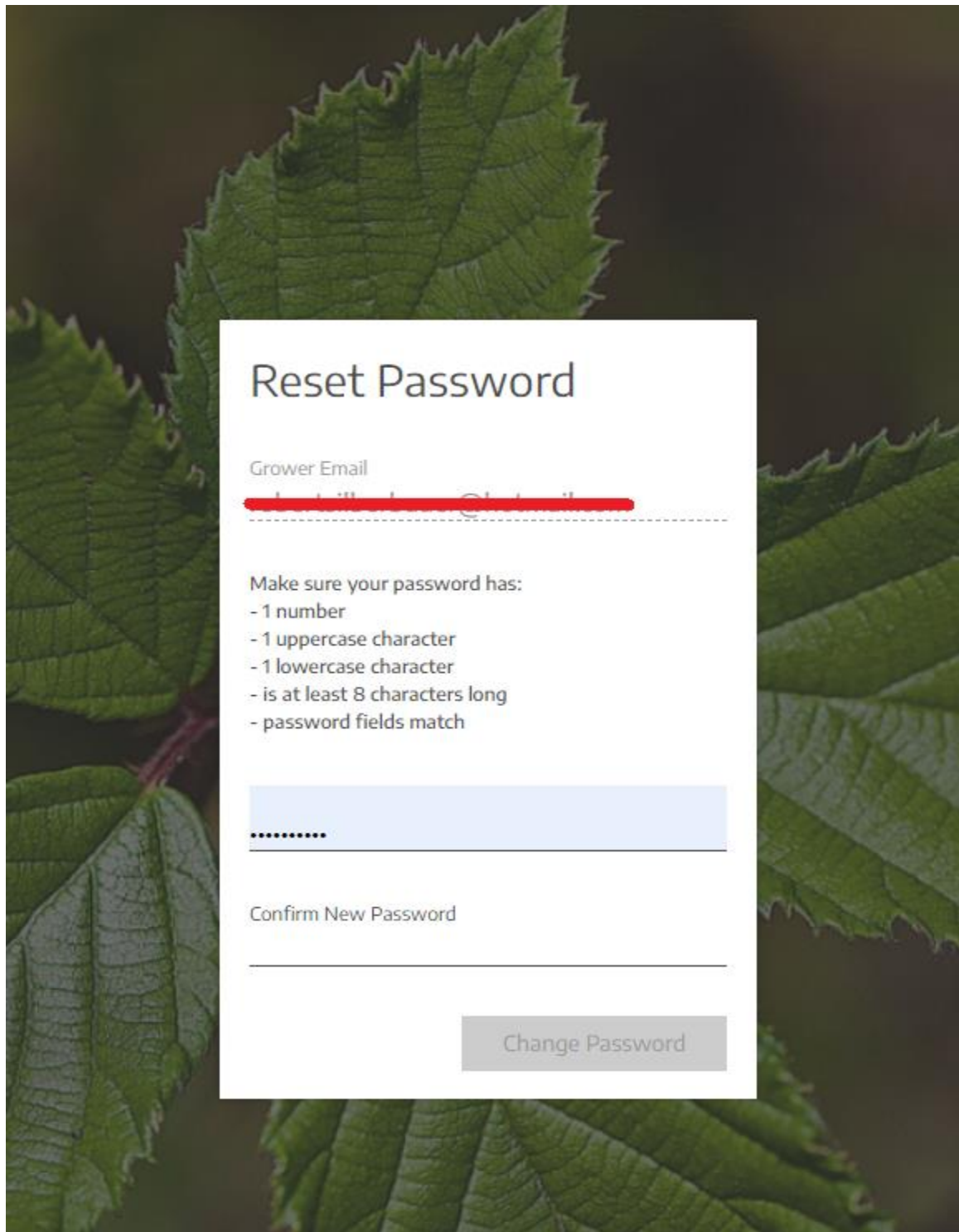
Growers will have 24 hours from this point to click on the reset your password link, else the link will expire.

If the link has expired, growers will need to go to www.BASES.co.nz and click on the forgotten password link:



The image shows the login page for the BASES system. The page title is "BASES" and the subtitle is "Berryworld Agrichemical Spray Entry System". There are two input fields: "Grower Email" and "Password". Below the "Password" field, there is a link that says "I've forgotten my password". A red house icon is positioned above a "Log In" button, pointing towards the "I've forgotten my password" link.

Whether you clicked the link or it was expired and you went the forgotten password route, you will go to a webpage that looks like this:



The image shows a 'Reset Password' form overlaid on a background of green leaves. The form is white with a light blue border. At the top, the title 'Reset Password' is displayed in a large, dark font. Below the title, there is a label 'Grower Email' followed by a redacted email address. A dashed line separates the email field from the password requirements. The requirements are listed as follows:

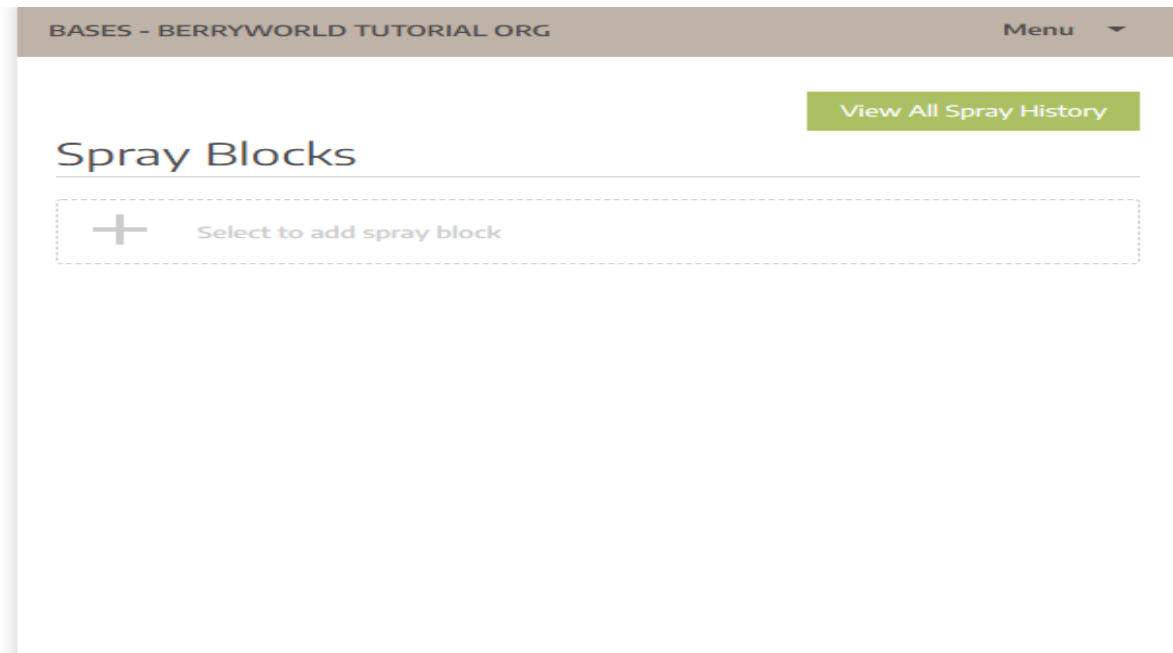
- 1 number
- 1 uppercase character
- 1 lowercase character
- is at least 8 characters long
- password fields match

Below the requirements, there are two password input fields. The first field is light blue and contains seven dots. The second field is white and is empty. At the bottom right of the form, there is a grey button labeled 'Change Password'.

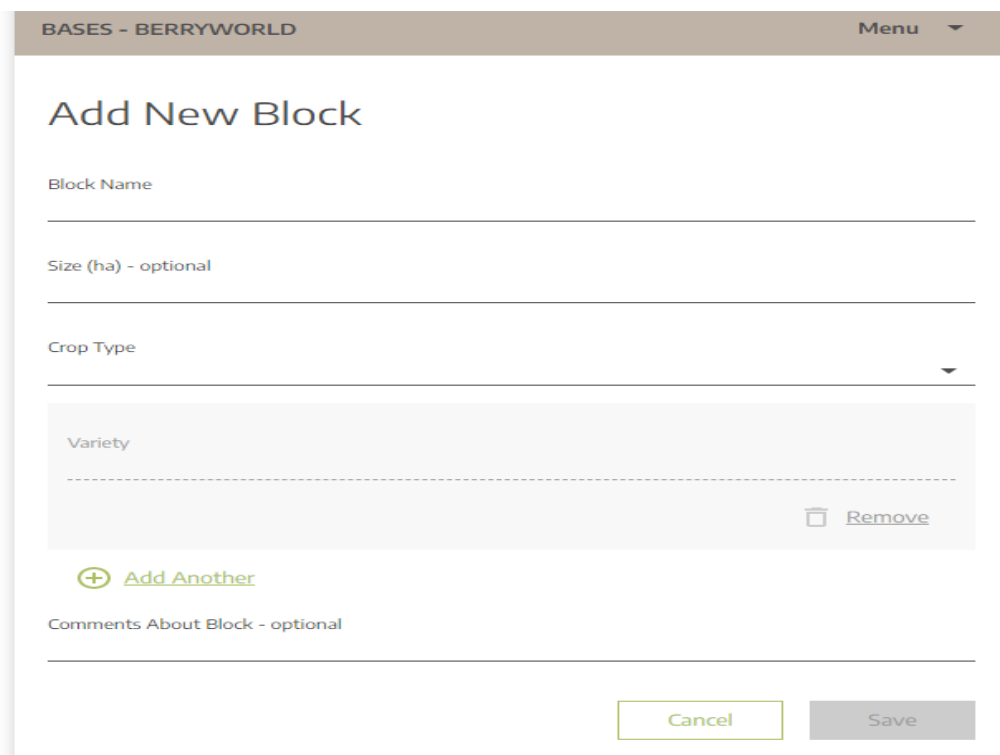
From here growers can input their passwords which they'll need to remember for future access to the BASES application.

Step 2. Setting up Blocks

Once you have registered and signed in you will see a webpage like this:



Growers can then go and add blocks to the system (note, with BASES, you can only add spray entries to entire blocks, not half a block, so when creating your blocks, think about whether you're going to spray the entire area with the same type of chemical or whether you might split them up – for example a grower might have Sky Blue and Maru varieties in one block, but part way through the season they decide they only want to spray the Maru, not the Sky Blue. With Bases, if they set up the block as Block 1 (inclusive of Maru and Sky blue), they won't be able to separate the two varieties out; however if they set up the block as Block 1 (Maru) and set up another block as Block 1 (Sky Blue) that will work well). Adding blocks will look like this:



The screenshot shows the 'Add New Block' form in the Bases system. The header includes 'BASES - BERRYWORLD' and a 'Menu' dropdown. The main heading is 'Add New Block'. The form contains the following fields:

- Block Name: A text input field.
- Size (ha) - optional: A text input field.
- Crop Type: A dropdown menu.
- Variety: A text input field with a dashed line below it, and a 'Remove' button with a trash icon.
- Comments About Block - optional: A text input field.

At the bottom of the form, there is a green button with a plus sign and the text 'Add Another', and two buttons: 'Cancel' and 'Save'.

Once you have set up your blocks, returning to the main page of BASES will show all the blocks you've added. It should look something like this:

The screenshot shows the main page of the BASES - BERRYWORLD system. At the top, there is a header bar with the text "BASES - BERRYWORLD" on the left and a "Menu" dropdown on the right. Below the header, there is a green button labeled "View All Spray History". The main content area is titled "Spray Blocks" with a circled "7" next to it. Below the title, there are two dashed boxes, each containing a plus sign and the text "Select to add spray block" and "Select to add a spray record across multiple blocks" respectively. Below these boxes is a list of spray blocks, each with a downward arrow icon and a label: "Packhouse and Back", "Boysenberry Section", "Block Test1", "Block by Road", "Glorious", "Block Test2", and "Berryworld Test Block".

BASES - BERRYWORLD Menu ▾

[View All Spray History](#)

Spray Blocks 7

+ Select to add spray block

+ Select to add a spray record across multiple blocks

- ▾ Packhouse and Back
- ▾ Boysenberry Section
- ▾ Block Test1
- ▾ Block by Road
- ▾ Glorious
- ▾ Block Test2
- ▾ Berryworld Test Block

Step 3. Adding a spray entry

To add a spray entry there are a few different ways to do this. If you plan on adding a spray entry to multiple blocks, click the “Select to add a spray record across multiple blocks” link from the main page.

BASES - BERRYWORLD Menu ▾

[View All Spray History](#)

Spray Blocks 7

+ Select to add spray block

+ Select to add a spray record across multiple blocks


- ▾ Packhouse and Back
- ▾ Boysenberry Section
- ▾ Block Test1
- ▾ Block by Road
- ▾ Glorious
- ▾ Block Test2
- ▾ Berryworld Test Block

This will then take you to a page that looks like this:


BASES - BERRYWORLD Menu ▾

Add New Spray Record

Block ▾

 [Remove](#)

+ [Add Another Block](#)

Date
dd/mm/yyyy 

Start Time - optional Finish Time - optional

Crop Stage - optional

Product Name ▾

Justification For Spray - optional Water Rate (L)

Application Rate Unit ▾

Per Ha Per 100L

Growers will need to fill out the form including product used etc. To add multiple blocks, use the "Add Another Block" function.

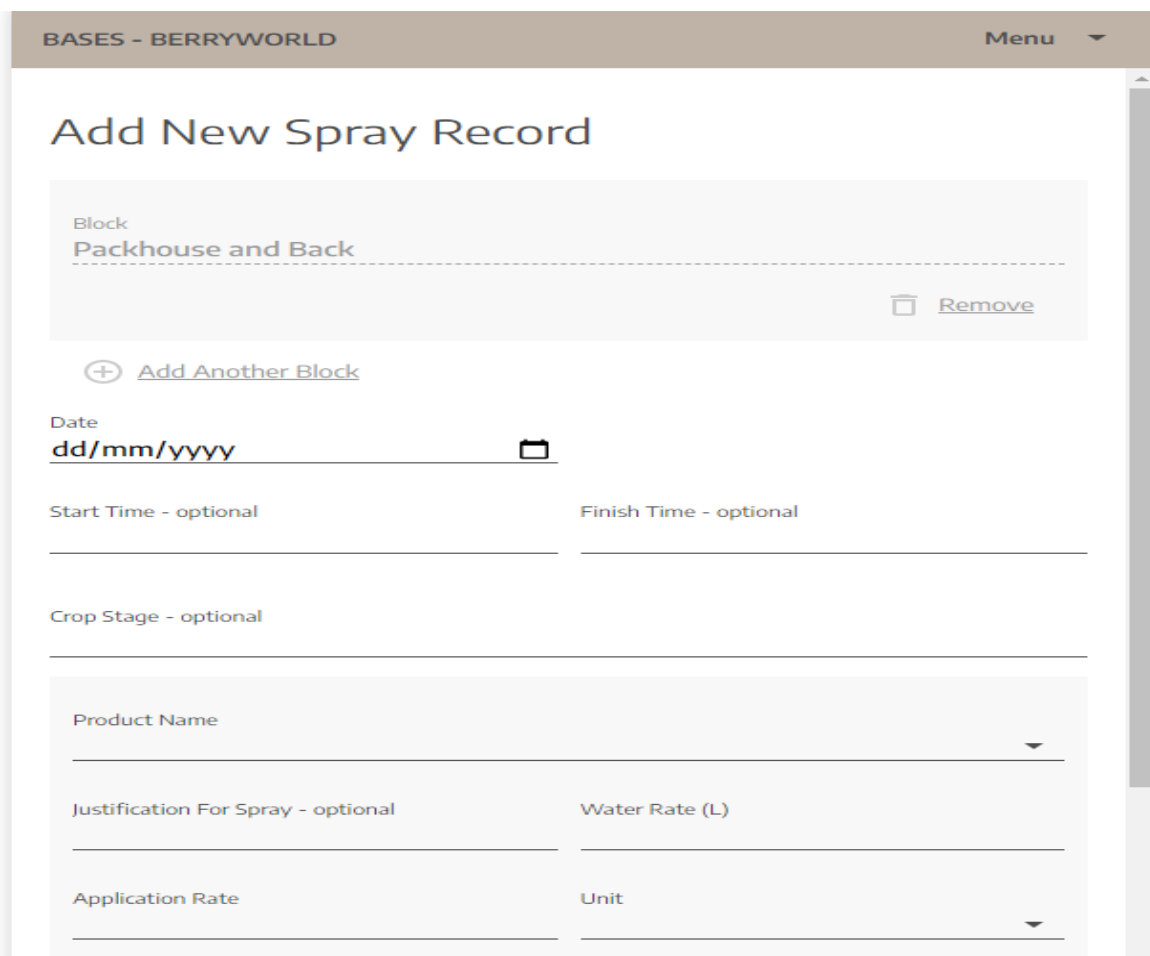
Alternatively if growers are only going to be adding a spray entry for only one block, they can use the following method. From the main page, click the block you want to add a spray entry for and click on view/add records (see example below):

The screenshot shows a web interface for 'BASES - BERRYWORLD'. At the top right, there is a 'Menu' dropdown. Below the header, there is a green button labeled 'View All Spray History'. The main section is titled 'Spray Blocks' with a circled '7' next to it. Below this title are two dashed boxes: the first contains a plus sign and the text 'Select to add spray block'; the second contains a plus sign and the text 'Select to add a spray record across multiple blocks'. A section titled 'Packhouse and Back' is expanded, showing a list of blocks with the following details:

SIZE (HA)	0
CROP	Blueberry - Misty
CROP	Blueberry - Ju83
CROP	Blueberry - O'Neal
CROP	Blueberry - Puru
CROP	Blueberry - Reka
COMMENTS	

At the bottom of this block's details are two buttons: 'Edit Block' and 'View / Add Records'. The 'View / Add Records' button is circled in red. Below this section are four more expandable sections: 'Boysenberry Section', 'Block Test1', 'Block by Road', and 'Glorious'.


From here growers can then click “Select to add a spray record to this block”:



Similar to the other method, it'll take you to the spray entry form, but note you will not be able to add other blocks to the form if you go via this approach.

Once you have added a spray entry, you can go back to inspect or edit it by clicking on the block it was for. An example:

BASES - BERRYWORLD Menu ▾

 Select to add a spray record to this block

^ 17-07-2020 Spray Record (Final)

RECORD DETAILS

TIME PERIOD	9.15 - 12.45
CROP	Blueberry - Misty
CROP	Blueberry - Ju83
CROP	Blueberry - O'Neal
CROP	Blueberry - Puru
CROP	Blueberry - Reka
CROP STAGE	Flowering/Budding

PRODUCT - MORTAR™

JUSTIFICATION FOR SPRAY	Greedy Scale
WATER RATE (L)	600
APPLICATION RATE (PER 100L)	25g

PRODUCT - CALTEX WINTER SPRAY OIL

JUSTIFICATION FOR SPRAY	Whitefly/Leafroller
WATER RATE (L)	600
APPLICATION RATE (PER 100L)	83.3mL

SPRAY DETAILS

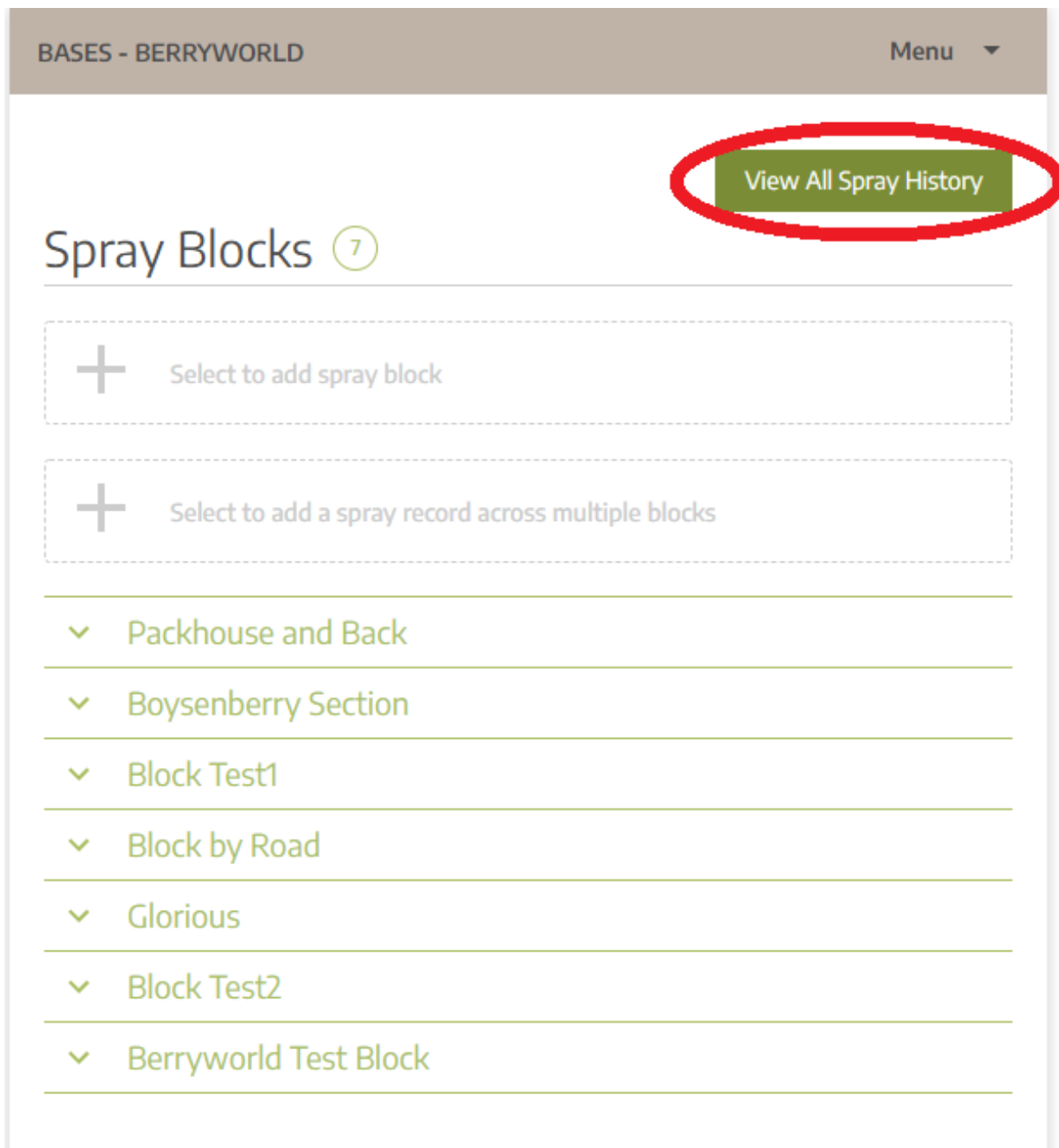
RE-ENTRY PERIOD (REI)	31-07-2020
APPLICATION METHOD	Blast Sprayer
NEIGHBOURS NOTIFIED	Yes

ADDITIONAL DETAILS

COMMENTS	No wind, fine day
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Step 4. Viewing/Saving All Spray Records

Once you've added a few spray records through the season, you might wish to see all the data collated in one space. From the main screen there is a link called "View All Spray History". Click this.



From here you will be able to see all your spray records, including ones you have not yet finalised. There are scroll bars at the bottom and right hand side to see all the data.

[← Back To Spray Blocks](#)

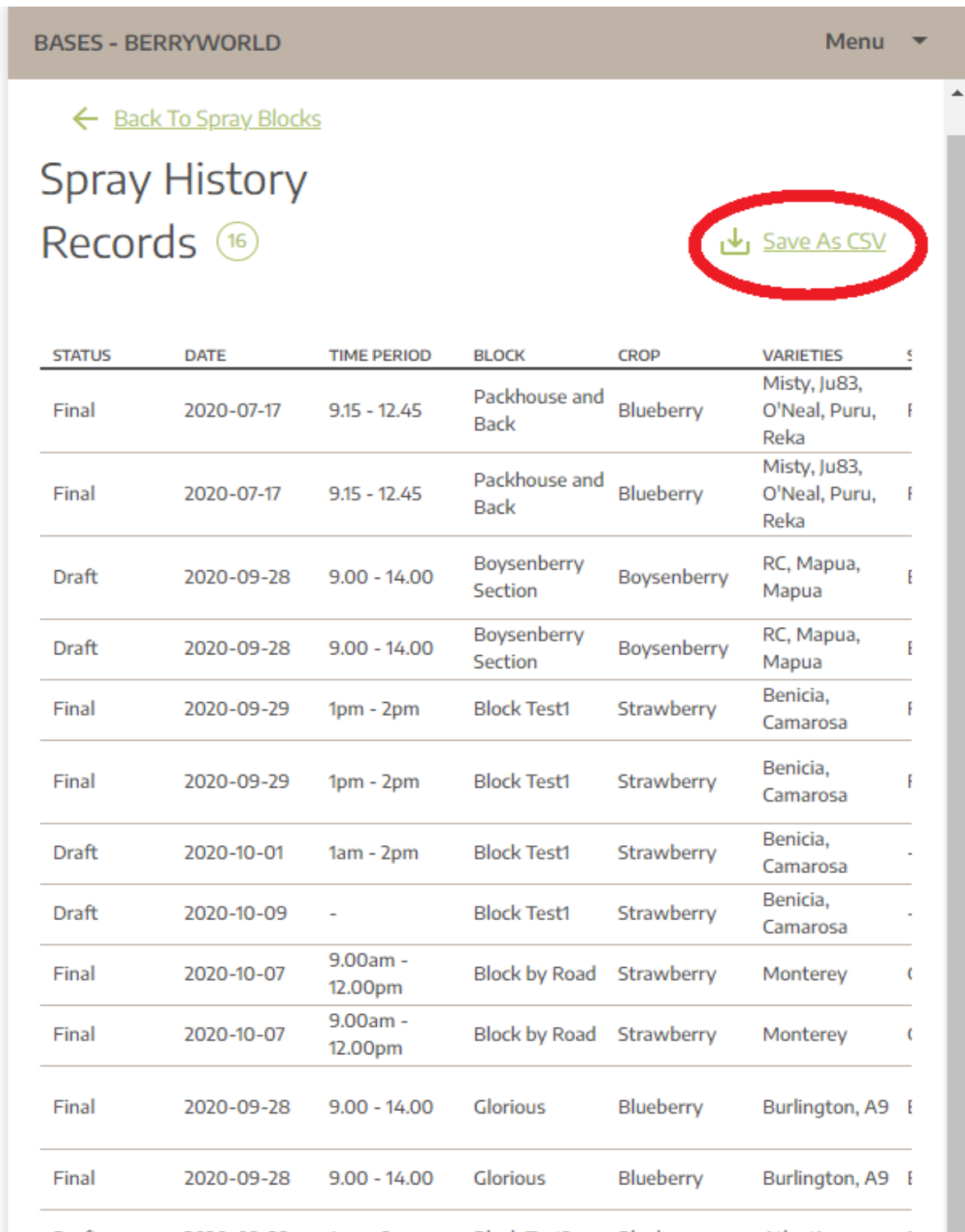
Spray History Records (16)

[↓ Save As CSV](#)

STATUS	DATE	TIME PERIOD	BLOCK	CROP	VARIETIES	
Final	2020-07-17	9.15 - 12.45	Packhouse and Back	Blueberry	Misty, Ju83, O'Neal, Puru, Reka	F
Final	2020-07-17	9.15 - 12.45	Packhouse and Back	Blueberry	Misty, Ju83, O'Neal, Puru, Reka	F
Draft	2020-09-28	9.00 - 14.00	Boysenberry Section	Boysenberry	RC, Mapua, Mapua	F
Draft	2020-09-28	9.00 - 14.00	Boysenberry Section	Boysenberry	RC, Mapua, Mapua	F
Final	2020-09-29	1pm - 2pm	Block Test1	Strawberry	Benicia, Camarosa	F
Final	2020-09-29	1pm - 2pm	Block Test1	Strawberry	Benicia, Camarosa	F
Draft	2020-10-01	1am - 2pm	Block Test1	Strawberry	Benicia, Camarosa	-
Draft	2020-10-09	-	Block Test1	Strawberry	Benicia, Camarosa	-
Final	2020-10-07	9.00am - 12.00pm	Block by Road	Strawberry	Monterey	C
Final	2020-10-07	9.00am - 12.00pm	Block by Road	Strawberry	Monterey	C
Final	2020-09-28	9.00 - 14.00	Glorious	Blueberry	Burlington, A9	F
Final	2020-09-28	9.00 - 14.00	Glorious	Blueberry	Burlington, A9	F
Draft	2020-09-29	1pm - 2pm	Block Test2	Blueberry	Atlantic	F

Step 5. Exporting the Information

Once you have completed your spray information for a season or even part way through, you may wish to export all the information into an excel file (or similar spreadsheet software). To do this growers need only click the "Save As CSV" link.



The screenshot shows the 'Spray History Records' page in the Bases - Berryworld system. The page has a header with 'BASES - BERRYWORLD' and a 'Menu' dropdown. Below the header is a navigation link 'Back To Spray Blocks'. The main heading is 'Spray History Records' with a count of 16 records. A red circle highlights the 'Save As CSV' link in the top right corner. Below the heading is a table with the following columns: STATUS, DATE, TIME PERIOD, BLOCK, CROP, and VARIETIES. The table contains 16 rows of data.

STATUS	DATE	TIME PERIOD	BLOCK	CROP	VARIETIES	
Final	2020-07-17	9.15 - 12.45	Packhouse and Back	Blueberry	Misty, Ju83, O'Neal, Puru, Reka	f
Final	2020-07-17	9.15 - 12.45	Packhouse and Back	Blueberry	Misty, Ju83, O'Neal, Puru, Reka	f
Draft	2020-09-28	9.00 - 14.00	Boysenberry Section	Boysenberry	RC, Mapua, Mapua	f
Draft	2020-09-28	9.00 - 14.00	Boysenberry Section	Boysenberry	RC, Mapua, Mapua	f
Final	2020-09-29	1pm - 2pm	Block Test1	Strawberry	Benicia, Camarosa	f
Final	2020-09-29	1pm - 2pm	Block Test1	Strawberry	Benicia, Camarosa	f
Draft	2020-10-01	1am - 2pm	Block Test1	Strawberry	Benicia, Camarosa	-
Draft	2020-10-09	-	Block Test1	Strawberry	Benicia, Camarosa	-
Final	2020-10-07	9.00am - 12.00pm	Block by Road	Strawberry	Monterey	(
Final	2020-10-07	9.00am - 12.00pm	Block by Road	Strawberry	Monterey	(
Final	2020-09-28	9.00 - 14.00	Glorious	Blueberry	Burlington, A9	f
Final	2020-09-28	9.00 - 14.00	Glorious	Blueberry	Burlington, A9	f
Draft	2020-09-28	1pm - 2pm	Block Test1	Blueberry	Atlantic	f

This will then automatically save all the information as a .CSV file which can be opened by any spreadsheet software (such as excel, google sheets etc). Please note, there is a bug with trademark

and copyright symbols transferring from BASES to Excel. This appears to be an issue with Excel, not BASES. The final result should look like:

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
1	Status	Date	TimePeriod	Block	Crop	Varieties	Stage	Product	Justificati	WaterRati	Applicatio	Unit	ReEntry/Inter	ApplicationMethod	Neighbour	Comments
2	Final	17/07/2020	9.15 - 12.45	Packhouse and Back	Blueberry	Misty, Ju83, O'Neal, Puru, Reka	Flowering/Budding	MORTARL.C	Greedy Sc	600	25 g/100L		31/07/2020	Blast Sprayer	Yes	No wind, fine day
3	Final	17/07/2020	9.15 - 12.45	Packhouse and Back	Blueberry	Misty, Ju83, O'Neal, Puru, Reka	Flowering/Budding	CALTEX WINTER SPRAY OIL	Whitefly/	600	83.3 mL/100L		31/07/2020	Blast Sprayer	Yes	No wind, fine day
4	Draft	28/09/2020	9.00 - 14.00	Boysenberry Section	Boysenberry	RC, Mapua, Mapua	Budding	AGPRO CHLOROTHALONIL 720	Fungal grc	800	0.8 mL/100L		5/10/2020	Tractor tank sprayer	No	T'was a windy day gov
5	Draft	28/09/2020	1pm - 2pm	Block Test1	Strawberry	Benicia, Camarosa	Flowering	ACCOLADE®, c 55G	Plant Heal	1000	1.5 g/100L		30/09/2020	Knap Sack	Yes	
6	Final	29/09/2020	1pm - 2pm	Block Test1	Strawberry	Benicia, Camarosa	Flowering	AGPRO CHLOROTHALONIL 720	Plant Heal	600	1.5 mL/100L		30/09/2020	Knap Sack	Yes	
7	Draft	1/10/2020	1am - 2pm	Block Test1	Strawberry	Benicia, Camarosa		ACCOLADE®, c 55G	Plant Heal	600	2.3 g/100L				No	
8	Draft	9/10/2020	-	Block Test1	Strawberry	Benicia, Camarosa		2,4-DB	Plants	10	9 mL/100L				No	
9	Final	7/10/2020	9.00am - 12.00pm	Block by Road	Strawberry	Monterey	Green fruit	AGPRO CARBENDAZIM	Fungal spr	600	100 mL/100L		9/10/2020	Boom Sprayer	Yes	Wet
10	Final	7/10/2020	9.00am - 12.00pm	Block by Road	Strawberry	Monterey	Green fruit	AGRI-FOSÁ® 600		600	20 g/100L		9/10/2020	Boom Sprayer	Yes	Wet
11	Final	28/09/2020	9.00 - 14.00	Glorious	Blueberry	Burlington, A9	Budding	AGPRO CHLOROTHALONIL 720	Fungal grc	800	0.8 mL/100L		5/10/2020	Tractor tank sprayer	No	T'was a windy day gov
12	Final	28/09/2020	9.00 - 14.00	Glorious	Blueberry	Burlington, A9	Budding	AGPRO CAPTAN 900 WDG	Diseases y	1000	2.5 g/100L		5/10/2020	Tractor tank sprayer	No	T'was a windy day gov
13	Draft	29/09/2020	1pm - 2pm	Block Test2	Blueberry	Atlantic	Flowering	ACCOLADE®, c 55G	Plant Heal	1000	1.5 g/100L		30/09/2020	Knap Sack	Yes	
14	Draft	29/09/2020	1pm - 2pm	Block Test2	Blueberry	Atlantic	Flowering	ABBA	Plant Heal	600	1.5 mL/100L		30/09/2020	Knap Sack	Yes	
15	Final	30/09/2020	-	Block Test2	Blueberry	Atlantic		2,4-DB	Plant Heal	600	0.3 g/100L		30/09/2020		No	
16	Final	2/12/2020	-	Berryworld Test Block	Blueberry	Delight		APOLLOÁ®	Mealybug	600	20 mL/100L		1/12/2020		No	

This file can be sent to Berryworld for spray data compliance checks, or for growers that are members of groups like Miro, Berryco, NZ Gourmet, this will allow you to directly send the spray information to them.

Later on there will be an update allowing this process to happen automatically if the growers allow their spray diaries to be shared with particular group. The default setting is that your spray diary is not sharable and is completely private.

If you have any questions, feel free to contact Rob at rob@berryworld.co.nz