



# StockMate User Guide

Version 8.4.4

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# StockMate User Guide

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# 1. Introduction

StockMate is an Android tablet-based App that helps graziers manage livestock mobs/lots and individual animals. It integrates with RFID readers, weigh scales and can synchronise data with the cloud-based console when internet service is available. It works in multi-property contexts with multiple tablets, and has multi-level user management.

StockMate calculates average daily gain, weight, and treatment history, and records paddock, mob, and individual animal movements. It provides property data at a glance, including maps, stock numbers, and distributions. It includes powerful reporting and export features, and data can be exported directly into StockalD.

StockMate allows for livestock inventory management through the scan records of individual animals or via mob based movement records depending on the requirements of the pastoral entity.

The program also allows users to capture breeding information, including traits and performance data.

A financial data module is also available as an upgrade. This module allows customers to record financial data against individual animals and groups of animals from acquisition to sale and generate financial reports.

The User Guide outlines basic installation, setup, maintenance, and procedures required to use StockMate. Should you require any further support, please contact the Elynx office.

Online video tutorials are available. Just Google 'StockMate tutorials'.

## 1.1. Contact Elynx

**Address:** 145 Russell Street, Toowoomba QLD

**Email:** [support@elynx.com.au](mailto:support@elynx.com.au)

**Phone:** +61 7 4659 6000

## 1.2. Register to trial or purchase StockMate

1. Go to [www.stockmate.online](http://www.stockmate.online), select Register.



2. Complete the registration form.

- **Note:** This will sign you up for a free 30 day trial of StockMate. You will not be charged for StockMate unless you choose to subscribe to a paid plan after your trial period finishes.

a. To view subscription prices; enter in your 'Estimated Livestock Under Management', select **\$**.

The screenshot shows the 'Pricing' section of the StockMate website. On the left, there is a box titled 'Estimated Livestock Under Management' with a text input field containing '3900' and a dropdown menu set to '\$'. Below this is a note: 'Estimate only. Upon registration you will receive a free 30-day trial of StockMate. You will not be charged for StockMate unless you choose to subscribe to a paid plan after your trial period finishes.' To the right is a 'Pricing' section with a green banner that says 'Register today for a free 30 day trial'. Below this, it says 'Select a tab to see pricing relevant to your location. All listed prices are in Australian Dollars (AUD) and are subject to change.' There are tabs for 'Australia' and 'International'. Under 'Australia', it says 'Listed prices are GST Inclusive for Australian subscribers'. There are two main sections: 'Activation Fee' (charged once) for \$99.00 and a 'Calculator' where you enter the number of head to track. Below the calculator is a table of 'Pricing Tiers' (switching fee is charged every month):

StockMate Licence Fee - Max Head	Price
From 0 units	\$11.00
From 100 units	\$22.92
From 250 units	\$32.09
From 500 units	\$45.83
From 750 units	\$68.75
From 1000 units	\$91.67

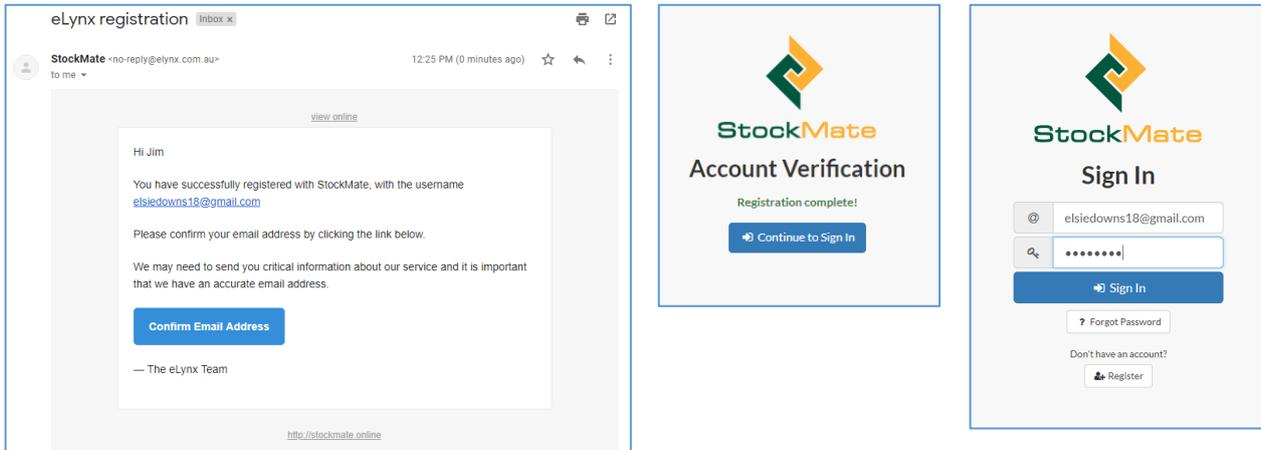
b. Read and accept Elynx's Privacy Policy and Terms and Conditions, select **Continue**.

The screenshot shows the 'Account Registration' form. It includes the following fields: First Name (James), Surname (Linton), Email Address (elsiedowns19@gmail.com), Company (Elsie Downs), Estimated Livestock Under Management (3900), Password (\*\*\*\*\*), and Confirm Password (\*\*\*\*\*). There are checkboxes for 'Privacy and Terms' with the text: 'I have read and accepted the privacy policy' and 'I have read and accepted the terms and conditions'. A 'Continue >' button is at the bottom.

3. Complete the Billing Contact form, select **Continue**.

The screenshot shows the 'Account Registration' form with the 'Billing Contact' section expanded. It includes the following fields: First Name (James), Surname (Linton), Email Address (elsiedowns19@gmail.com), Company (Elsie Downs), Phone (07 1234 5678), Mobile (0412 345 678), and Mailing Address (Street or PO Box: PO Box 182, Address Line 2, Suburb, State and Postcode: Mitchell, QLD, 2911, Country: Australia). A 'Continue >' button is at the bottom, and a '< Back' button is at the very bottom.

4. A verification email will be sent to your nominated email address (check your Junk folder if required). Select **Confirm Email Address**, **Continue to Sign In**. Use your nominated email and password to sign in to StockMate Online.

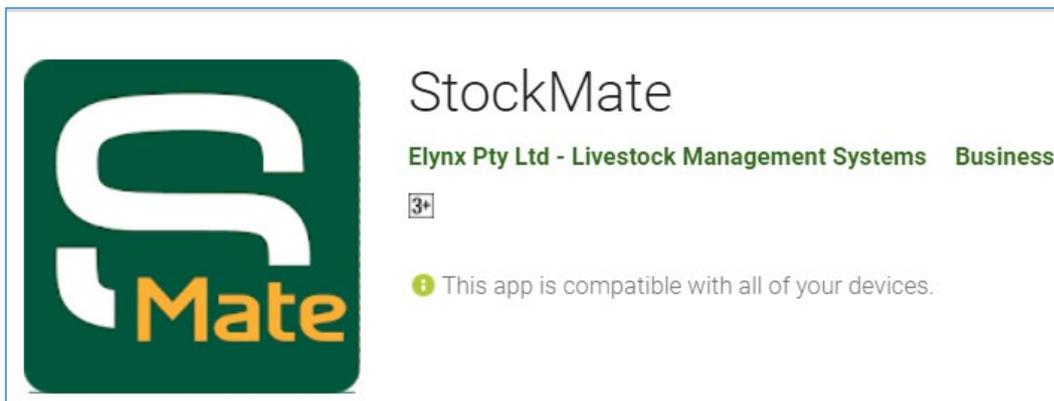


### 1.3. Android Tablet Setup

Please ensure the following steps are completed before using StockMate on the Android Tablet.

- **Note:** these steps may differ slightly between tablet models.
1. Turn on the tablet, step through the initial automatic setup if required.
  2. It is highly important you ensure the Tablet Date and Time is correct (this may be visible in **Settings**, **General Management**).
    - **Note:** Check the Date/Time regularly, and ensure it is updated if the Tablet is reset or the battery drained.
  3. Connect to a Wi-Fi network. Confirm tablet software is up to date (this may be visible in **Settings**, **Software update**). Check for updates, download and install the latest Android update if required.
  4. Activate GPS capability (this may be visible in **Settings**, **Connections**). Ensure the 'Location' switch is turned on and follow the prompts if required (you must 'Agree' for the Location services to work).
  5. Download and install the StockMate App from Google Play Store.

<https://play.google.com/store/apps/details?id=au.com.elynx.stockmate>



- **Note:** the App is the one developed by 'Elynx Pty Ltd – Livestock Management Systems'

#### 1.3.1. Android Tablet Versions

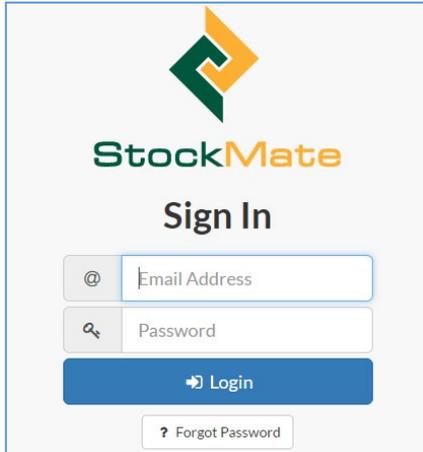
The StockMate app is compatible with the following Android Tablet Versions: Android 8.0 Oreo, 9.0 Pie and later.

## 2. Login

### 2.1. Web

To sign in to the website:

1. The StockMate website can be found at [www.stockmate.online](http://www.stockmate.online). Select **Sign In**, enter the registered Email Address and Password, and select **Login**.



### 2.2. Tablet

To sign in to the tablet:

1. Tap the StockMate App from the tablet home screen or list of apps.



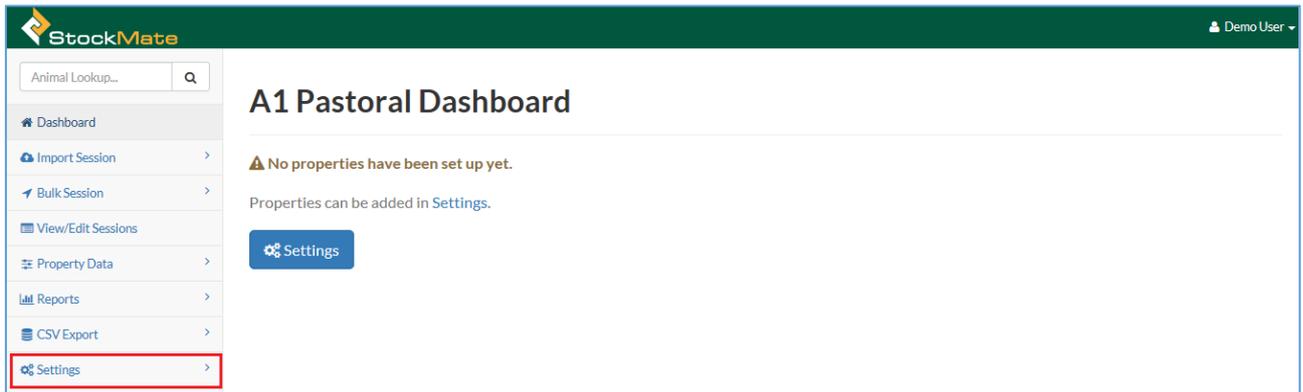
2. Enter the registered Email Address and Password and select **Sign In**.



### 3. Setup: Database (Web)

In section 3, you will enter the current database setup information pertaining to your business, including property, paddock, and mob names.

1. Sign in to the StockMate website. (See section 2.1 for sign in details, if required.) Select **Settings**.
  - **Note:** The majority of StockMate can be set up using either the website or tablet. However, we recommend using the website, and have provided instructions to do this. If you choose to deviate from these steps, please note that it is a requirement that Properties (section 3.1.1) and Users (section 3.13) are set up on the website before proceeding on the tablet.

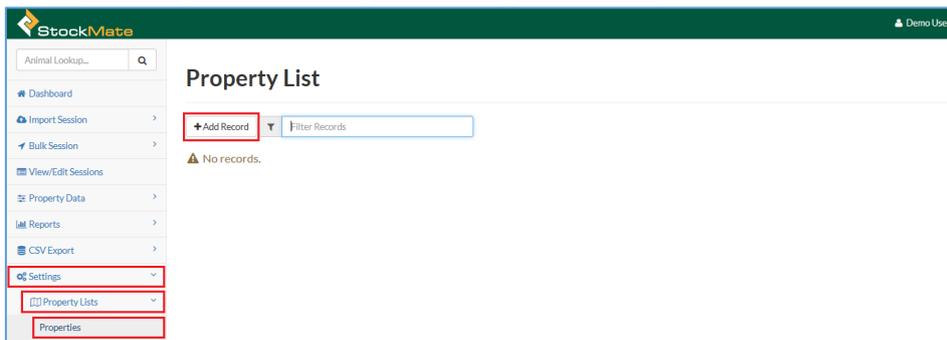


#### 3.1. Property Lists

A StockMate database may consist of several Properties, and each Property may consist of several Paddocks.

##### 3.1.1. Properties

1. Select **Settings**, **Property Lists**, **Properties**, **Add Record**.



2. Enter the Property Details fields.
  - **Note:** 'Land Area' will automatically be calculated once the Property is mapped.

#### Property Details

<p>Property: <input type="text" value="Sunny Downs"/></p> <p>Code: <input type="text" value="SD"/></p> <p>PIC: <input type="text" value="NA001234"/></p> <p>Land Area: <input type="text" value="664"/></p> <p style="font-size: small;">ha   ac   km<sup>2</sup>   m<sup>2</sup>   mi<sup>2</sup></p> <p>Actions: <span style="color: red; border: 1px solid red; padding: 2px;">Delete</span></p>	<p>Street Address: <input type="text" value="360 Orange Downs ROad"/></p> <p><input type="text" value="Address Line 2"/></p> <p><input type="text" value="Barcaldine"/></p> <p><input type="text" value="QLD"/> <input type="text" value="4725"/></p> <p><input type="text" value="Australia"/></p> <p>Mailing Address: <input type="text" value="360 Orange DownsRoad"/></p> <p><input type="text" value="Address Line 2"/></p> <p><input type="text" value="Barcaldine"/></p> <p><input type="text" value="QLD"/> <input type="text" value="4725"/></p> <p><input type="text" value="Australia"/></p>
---	---

3. Scroll down to map the Property. To mark the boundaries of the Property on the map:
  - **Note:** Mapping of the Property is Optional.
  - a. Zoom in or out of the Property location by scrolling or double clicking the mouse, or by using the + and - controls.
  - b. Right-click the mouse to create a Property boundary marker. Continue adding Property boundary markers in a clockwise or anti-clockwise direction, and the Property outline will increase.
  - c. Continue to add new markers until the boundary location is mapped correctly.
    - **Note:** Existing markers can be moved by left-clicking on the marker, holding the left button down and using the mouse to move the marker to the correct location on the map.
    - **Note:** Double-click on a marker to remove it.

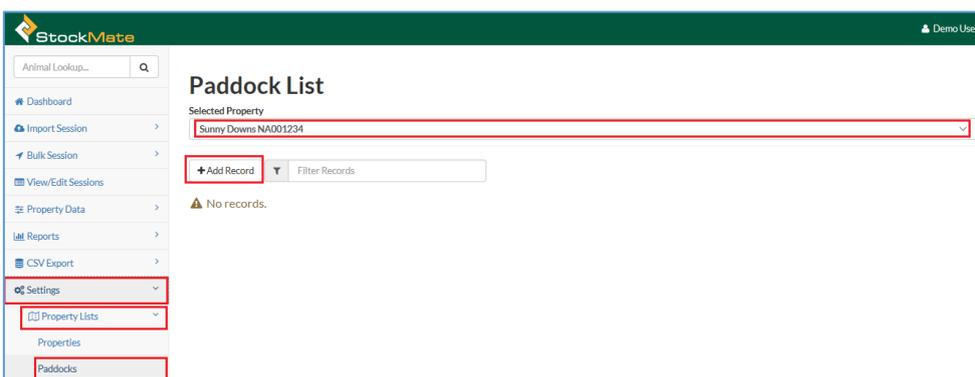


4. Select Save Changes.
5. Follow steps 1-4 to set up each Property.

Id	Property	PIC	Area
137	Sunny Downs	NA001234	16218.14 ha
138	Waterloo Station	WA001234	44395.12 ha

### 3.1.2. Paddocks

Select Settings, Property Lists, Paddocks, select the required Property, Add Record.



1. Enter the Paddock Details fields.
  - **Note:** 'Land Area' will automatically be calculated once the Paddock is mapped.

### Paddock Details

---

**Paddock:**

**Property:**

**Actions:** Delete

**Land Area:**

ha
ac
km<sup>2</sup>
m<sup>2</sup>
mi<sup>2</sup>

2. Scroll down to mark the boundaries of the Paddock within the Property on the map. (See section 3.1.13 for mapping details, if required.)
  - **Note:** Mapping of Paddocks is Optional.



3. Select Save Changes.
4. Follow steps 1-4 to set up each Paddock for all Properties.

Demo User

Animal Lookup...

- [Dashboard](#)
- [Import Session](#)
- [Bulk Session](#)
- [View/Edit Sessions](#)
- [Property Data](#)
- [Paddocks](#)
- [Forage Levels](#)
- [Supplement Levels](#)

### Paddock List

Selected Property: Sunny Downs NA001234

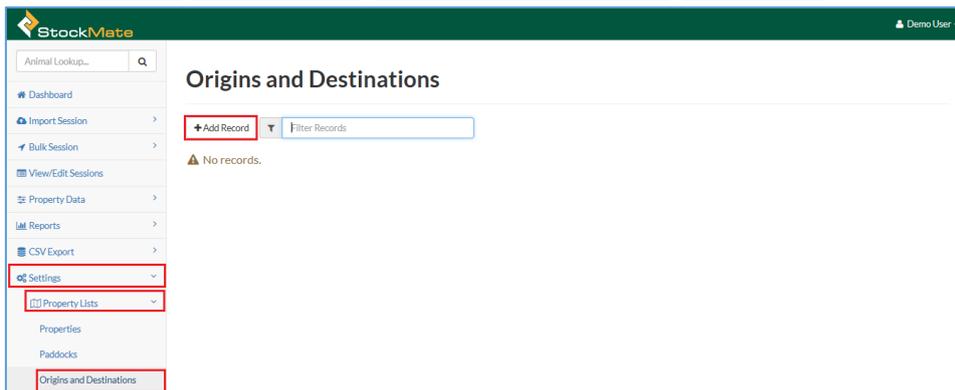
[+ Add Record](#)

Id	Paddock	Property	Head	Area	Stock Rate
523	West Triangle	Sunny Downs	0	817.52 ha	0.00/ha
524	Silo Paddock	Sunny Downs	0	5372.61 ha	0.00/ha
525	East Main	Sunny Downs	0	9919.06 ha	0.00/ha

### 3.1.1. Origins and Destinations

Origins and Destinations are locations where animals are coming from or going to, and are external to the property. Location Types include: Abattoir, Locality, Saleyard, and Property, Feedlot and Live Export.

1. Select Settings, Property Lists, Origins and Destinations, Add Record.



2. Enter the Location Details fields.

### Location Details

<p><b>Location:</b> <input type="text" value="Barcaldine Abattoir"/></p> <p><b>Type:</b> <input style="border: none; border-bottom: 1px solid #ccc; background-color: #f0f0f0; width: 100%;" type="text" value="Abattoir"/></p> <p><b>PIC:</b> <input type="text" value="NA004321"/></p> <p><b>Actions:</b> <span style="background-color: #e74c3c; color: white; padding: 2px 5px; border-radius: 3px; font-size: 0.9em;">Delete</span></p>	<p><b>Street Address:</b> <input type="text" value="152 Smith Road"/></p> <p><input type="text" value="Address Line 2"/></p> <p><input type="text" value="Barcaldine"/></p> <p><input style="width: 50%;" type="text" value="QLD"/> <input style="width: 50%;" type="text" value="4725"/></p> <p><input type="text" value="Australia"/></p> <hr/> <p><b>Mailing Address:</b> <input type="text" value="152 Smith Road"/></p> <p><input type="text" value="Address Line 2"/></p> <p><input type="text" value="Barcaldine"/></p> <p><input style="width: 50%;" type="text" value="QLD"/> <input style="width: 50%;" type="text" value="4725"/></p> <p><input type="text" value="Australia"/></p>
--	--

3. Select Save Changes.

4. Follow steps 1-3 to set up each Origin and Destination Location.

### Origins and Destinations

+ Add Record
Filter Records

Location	Type
External Property	Property
Test Abattoir	Abattoir
Roma Saleyards	Saleyard
Cowra	Property
Tamworth	Abattoir
Warwick	Property

### 3.1.2. Yards and Gates

Users can name and setup multiple yards within a property and can nominate the gates available within each set of yards. They can setup Automatic Gates for systems supplied by different manufacturers. The ‘Yards and Gates’ feature makes it easy to setup custom session templates for specific yards and to more easily generate drafting rules. (See session template setup screenshot below).

**Gates** Save Done

Use Yards:

Gates: 4 + Add

Gate	Property	Paddock	NVD	
<input type="text" value="Pen 1"/>	<input type="text" value="Hanshaw"/>	<input type="text" value="Central"/>	<input type="text"/>	Delete
<input type="text" value="Pen 2"/>	<input type="text" value="Hanshaw"/>	<input type="text" value="East"/>	<input type="text"/>	Delete
<input type="text" value="Ramp"/>	<input type="text" value="Hanshaw"/>	<input type="text"/>	<input type="text"/>	Delete
<input type="text" value="Handling"/>	<input type="text" value="Hanshaw"/>	<input type="text" value="South"/>	<input type="text"/>	Delete

**Draft Rules** Edit

Draft Rules: 4 + Add

Gate	Destination	Criteria Summary	
Ramp	Hanshaw	500kg (Current Weight)	Up Down Delete
Pen 1	Hanshaw, Central	450kg (Current Weight)	Up Down Delete
Pen 2	Hanshaw, East	400kg (Current Weight)	Up Down Delete
Pen 1	Hanshaw, Central	ELSE	

1. Select **+ Add Yard**. Name the yards and nominate the appropriate property.

2. If the yard supports automatic gates, select this option. This will enable you to add details regarding the Communication Methods, Manufacturer Gate Protocol, and the appropriate IP Address and Port numbers. Select **Save and Edit Gates**.

3. Select **Add Gate**.

4. Fill in the visible section of the Edit Gate form, select **Save**.

5. Select **Add Action**, enter Auto Sequence, **Save**.

6. Repeat Steps 2 to 4 to add multiple gates.

Name	Type	Automatic
Draft 1	Drafting Gate	<input checked="" type="radio"/>
Draft 2	Drafting Gate	<input checked="" type="radio"/>
Draft 3	Drafting Gate	<input checked="" type="radio"/>
Draft 4	Drafting Gate	<input checked="" type="radio"/>
Head Ball	Race Gate	<input type="radio"/>
Race 1 (Entry)	Race Gate	<input type="radio"/>
Race 2 (Mid)	Race Gate	<input type="radio"/>
Race 3 (Wait)	Race Gate	<input type="radio"/>
Race Crush Entry	Race Gate	<input type="radio"/>

## 3.2. Livestock Lists

### 3.2.1. SANs

- **Note:** SANs can be used as an additional animal identifier if desired (similar to Mobs) but are not required.

1. Select **Settings**, **Livestock Lists**, **SANs**, **Add Record**.

2. Enter the SAN Details field, select **Save Changes**.

**Edit Record**

---

**SAN Details**

SAN:

Actions:

3. Follow steps 1-2 to set up each SAN.

**SANs**

SAN
101
102
103

### 3.2.2. Mobs

1. Select **Settings**, **Livestock Lists**, **Mobs**, **Add Record**.

2. Enter the Mob Details fields, select **Save Changes**.

- **Note:** Cattle Types will be created in section 3.2.3.

**Edit Record**

---

**Mob Details**

Mob:

Cattle Type:

Breed:

Dentition:

Gender:

Actions:

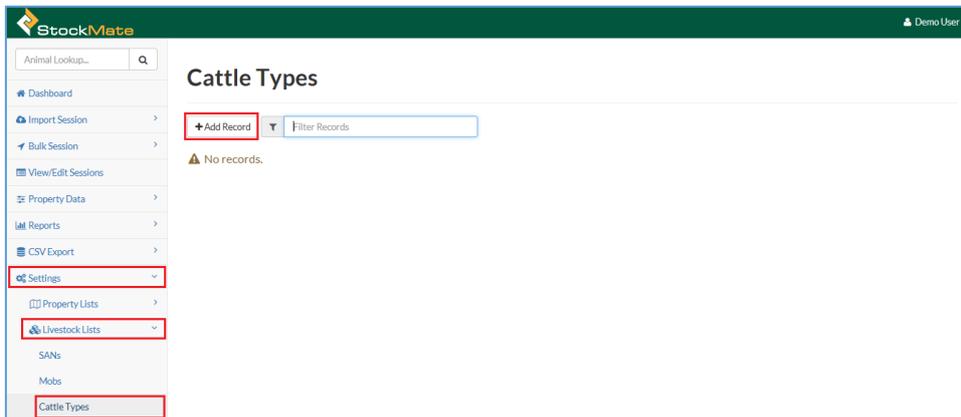
3. Follow steps 1-2 to set up each Mob.

Mob	Cattle Type	Breed	Dentition	Gender
Tay Angus 2015		Angus	0	Steer
Ely calves		Angus X	0	Heifer
hereford 2016		Hereford	2	Steer
unjoined heifers				
201701	Domestic	Wagyu	0	Steer
201702	Domestic	Wagyu	0	Heifer
201703	Domestic	Brahman	2	Heifer

### 3.2.3. Cattle Types

Cattle Types are categories of cattle purchased, e.g. Domestic, Export, 150D OX, 70D DOM, Long Fed, Export Steers, Paddock etc. Each Cattle Type would typically share a similar projected Days on Feed, Daily Gain, and Projected In and Out Weight.

1. Select **Settings**, **Livestock Lists**, **Cattle Types**, **Add Record**



2. Enter the Cattle Type Details fields, select **Save Changes**.

**Edit Record**

### Cattle Type Details

Cattle Type:

Actions: Delete

✕ Close
Save Changes

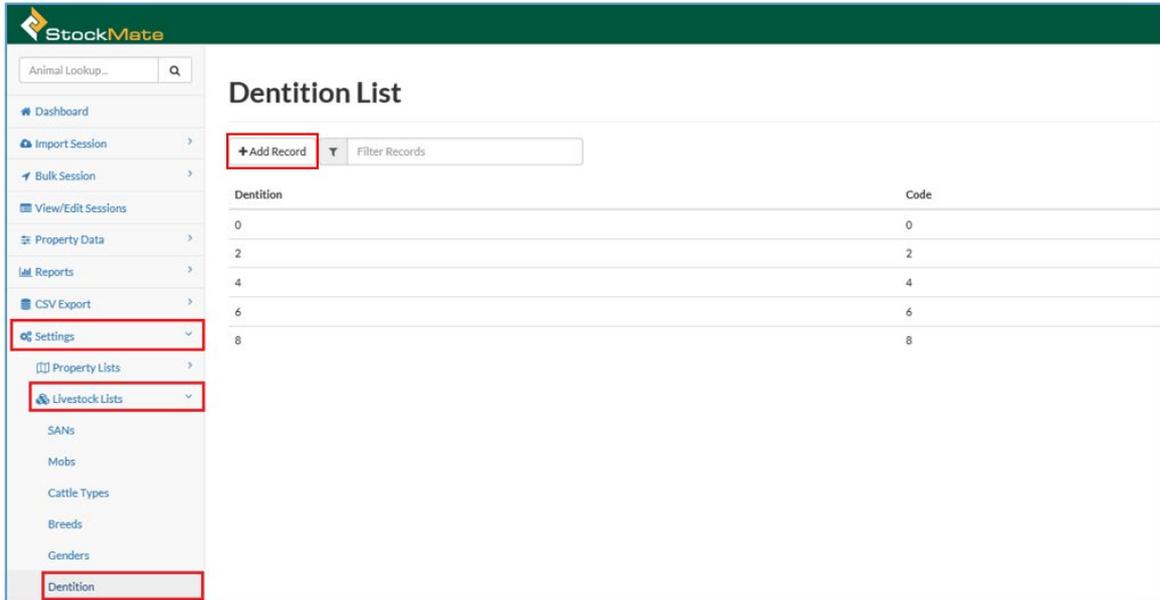
3. Follow steps 1-2 to set up each Cattle Type.

Cattle Type
Domestic
Export
Sheep
Springer
Test Cattle type

### 3.2.4. Breeds, Genders, Dentitions and Body Condition Scores.

Breeds, Genders, Dentitions and Body Condition Scores fields have been pre-populated.

- To add to the list, select **Settings**, **Livestock Lists**, **Breeds/Genders/Dentitions/Body Condition Scores**, **Add Record**



- Enter the fields, select **Save Changes**.

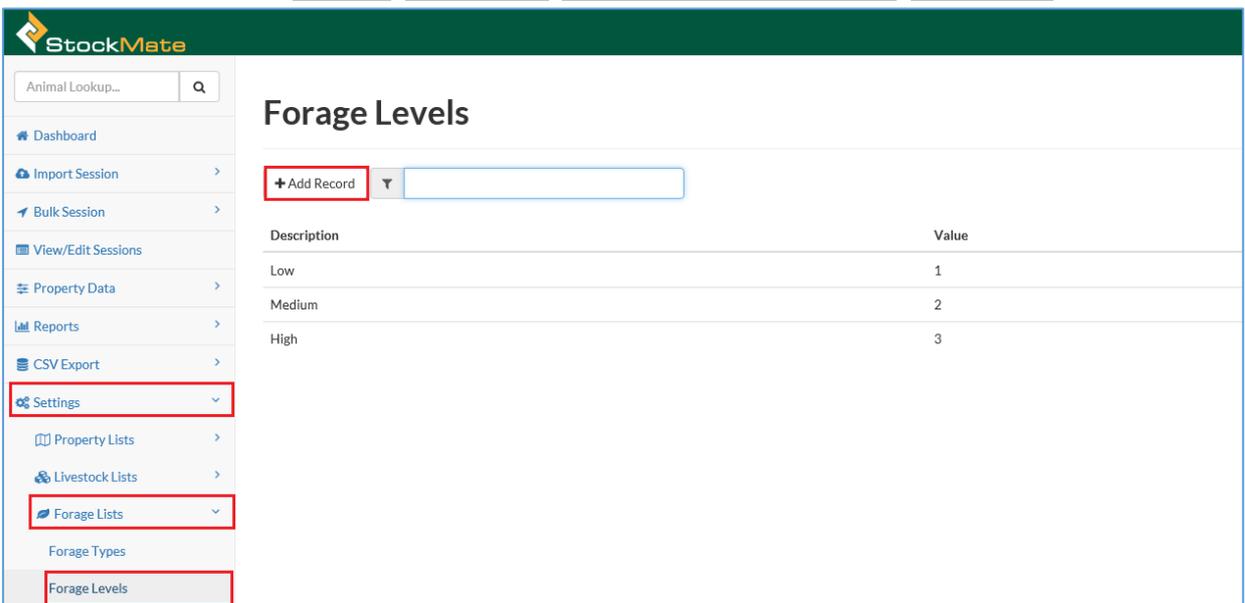
## 3.3. Forage Lists

Forage information set up in this section can be attributed to paddocks in section 4.3.1.

### 3.3.1. Forage Types and Forage Levels

Forage Types and Forage Levels have been pre-populated.

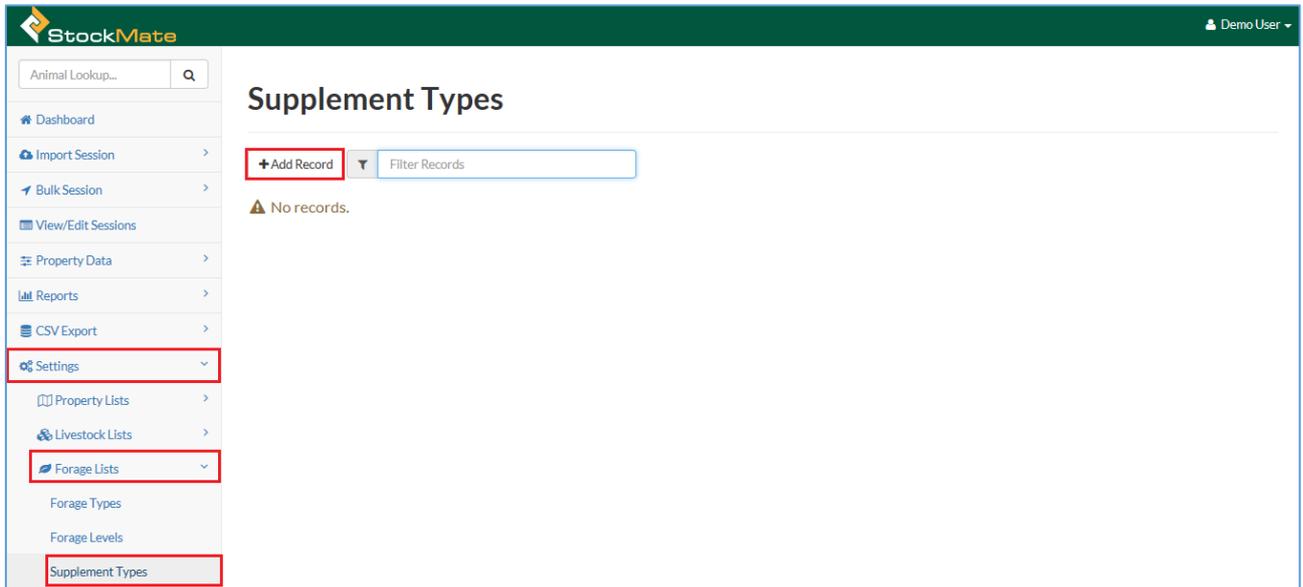
- To add to the list, select **Settings**, **Forage Lists**, **Forage Types/Forage Levels**, **Add Record**.



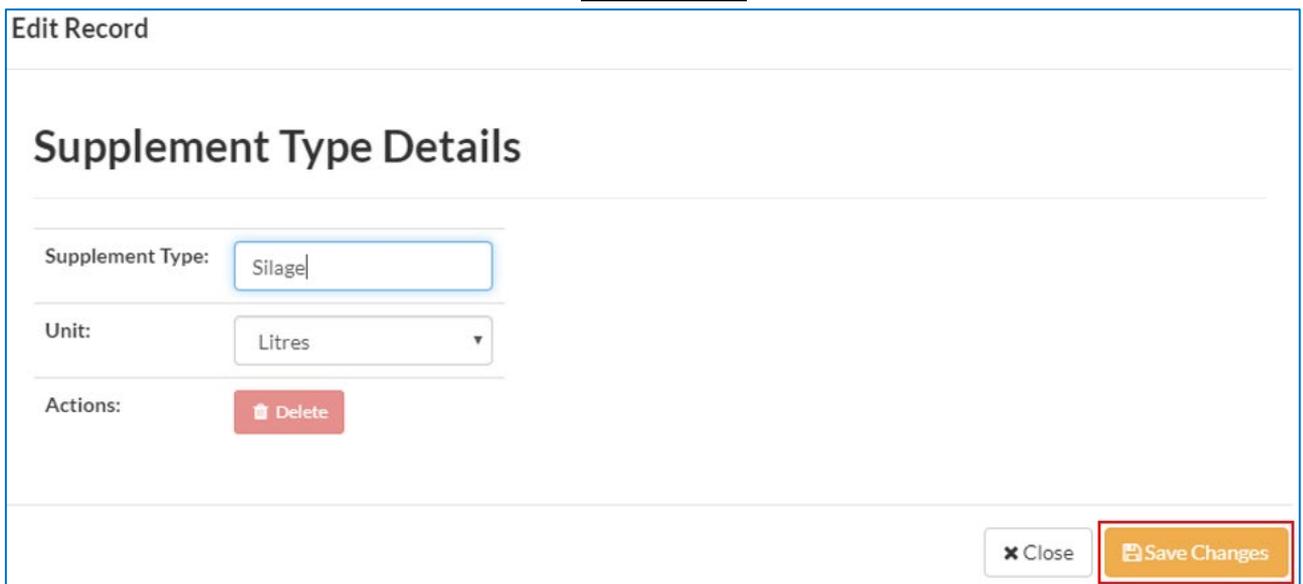
- Enter the fields, select **Save Changes**.

### 3.4. Supplement Types

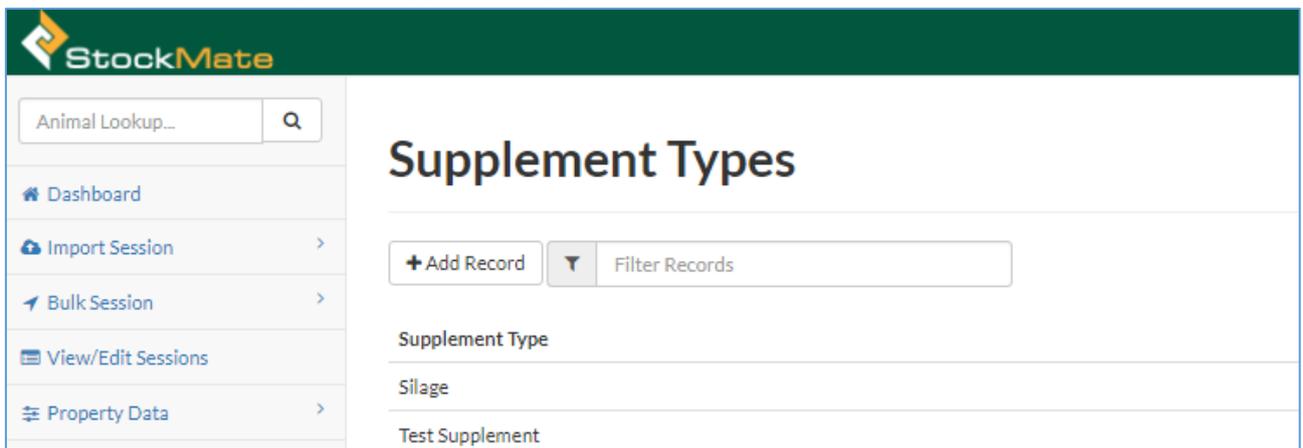
1. Select **Settings**, **Forage Lists**, **Supplement Types**, **Add Record**.



2. Enter the Supplement Type Details fields, select **Save Changes**.



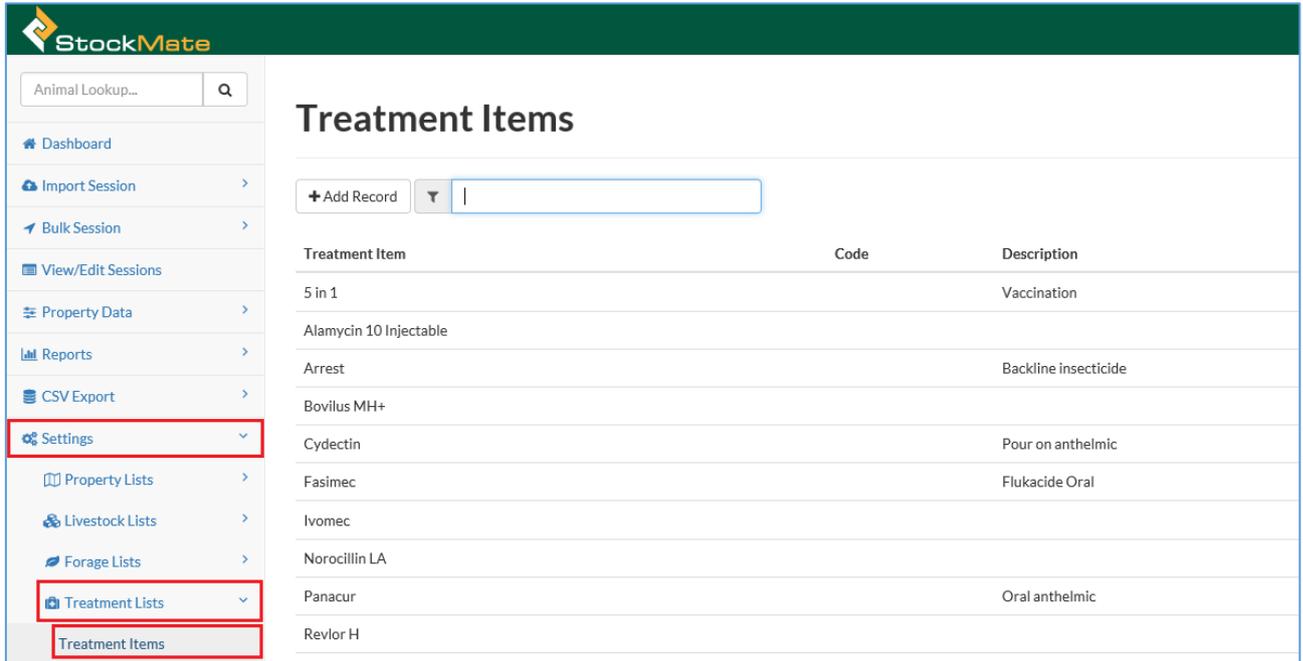
3. Follow steps 1-2 to set up each Supplement Type.



### 3.5. Treatment Lists

#### 3.5.1. Treatment Items

1. Select **Settings**, **Treatment Lists**, **Treatment Items**. Many Treatment Items have been pre-populated.



2. To edit an existing Treatment Item, select the record, edit as required, and **Save Changes**.
3. To add to the list, select **Add Record**, enter Treatment Item Details, and **Save Changes**.

**Edit Record**

### Treatment Item Details

Treatment Item:

Code:

Description:

Cost Per Unit:

Units Per Dose:

Weight Base:

WHP:

ESI:

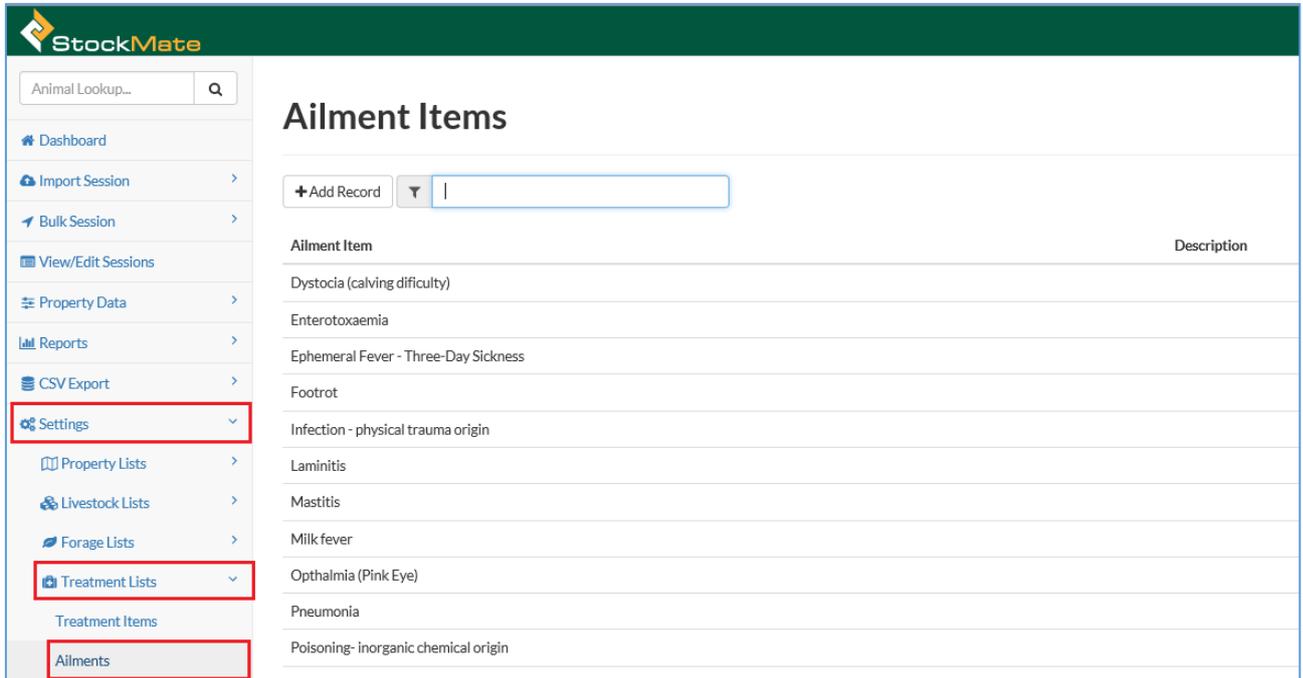
HGP:

Actions:

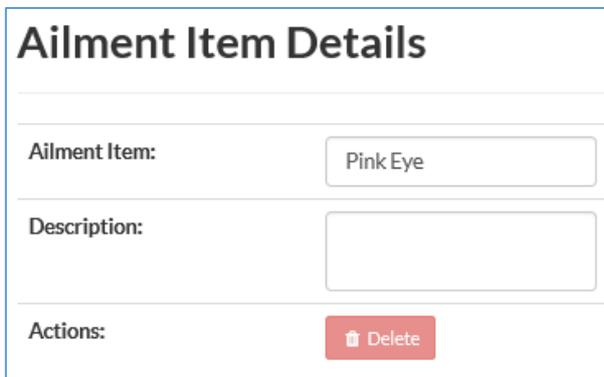
- **Note:** for HGP Items ticking the HGP option will allow the automatic update of an Animal's HGP Status when the item is applied.

### 3.5.2. Ailments

1. Select **Settings**, **Treatment Lists**, **Ailments**. Many Ailments have been pre-populated.



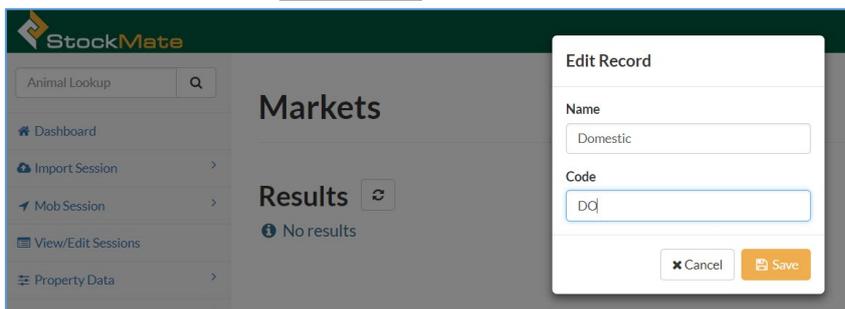
2. To edit an existing Ailment, select the record, edit as required, and **Save Changes**.
3. To add to the list, select **Add Record**, enter Ailment Item Details, and **Save Changes**.



### 3.6. Markets

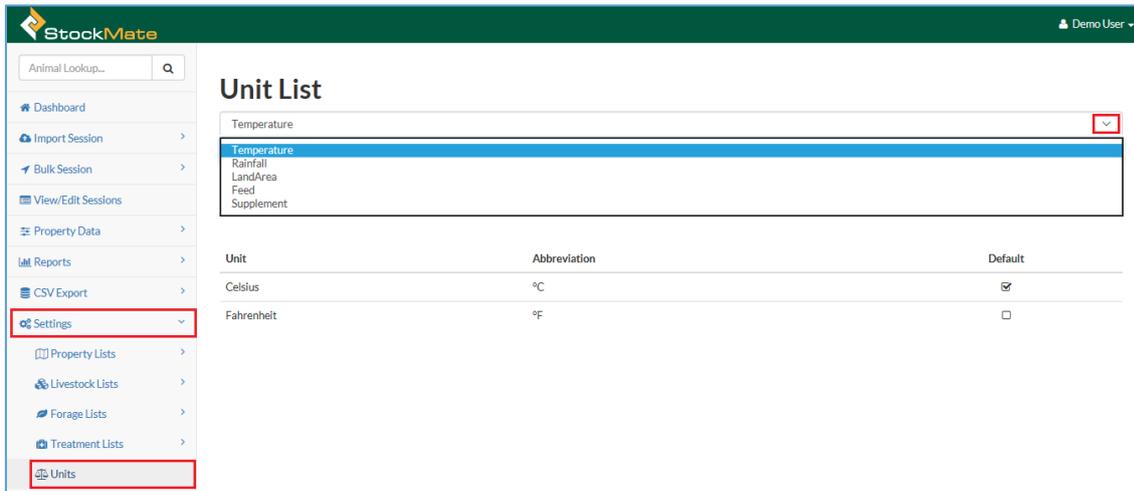
Users can nominate specific markets for livestock.

1. To add markets, select **Add Record**, specify the record name and an appropriate code, then select **Save**.



### 3.7. Units

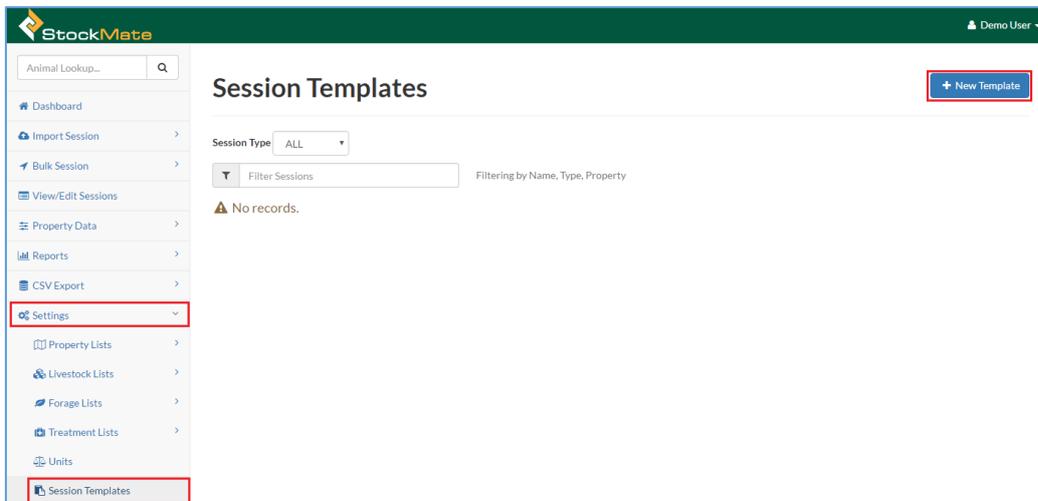
Units have been pre-populated and cannot be edited, though for each unit type, a default can be selected if desired.



### 3.8. Session Templates

Multiple Session Templates can be preset on the website, for use on the tablet during a Scan Session.

1. Select **Settings**, **Session Templates**, **New Template**.



2. Complete form and select **Create Template**.

#### New Session Template

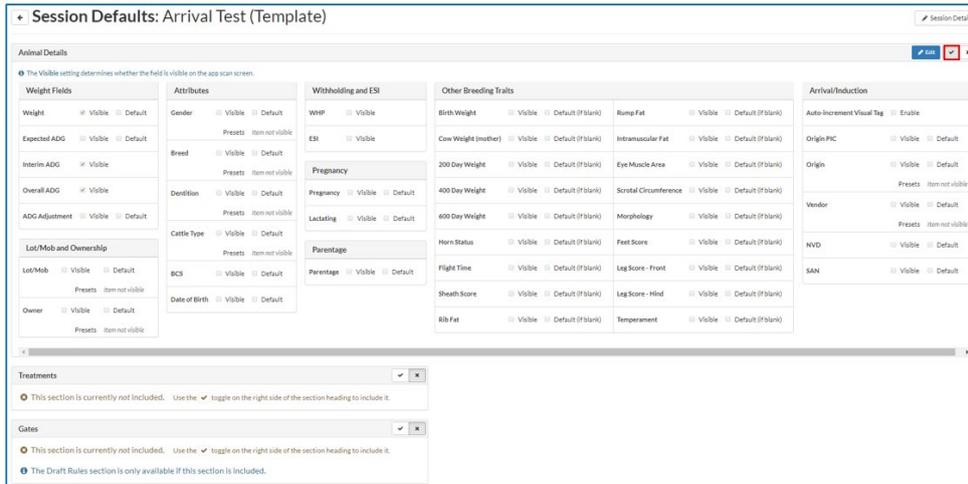
**Name**

**Property**

The property where the session occurs

**Type and Sub Type**

3. Tick the parameters to include in your Session Template.



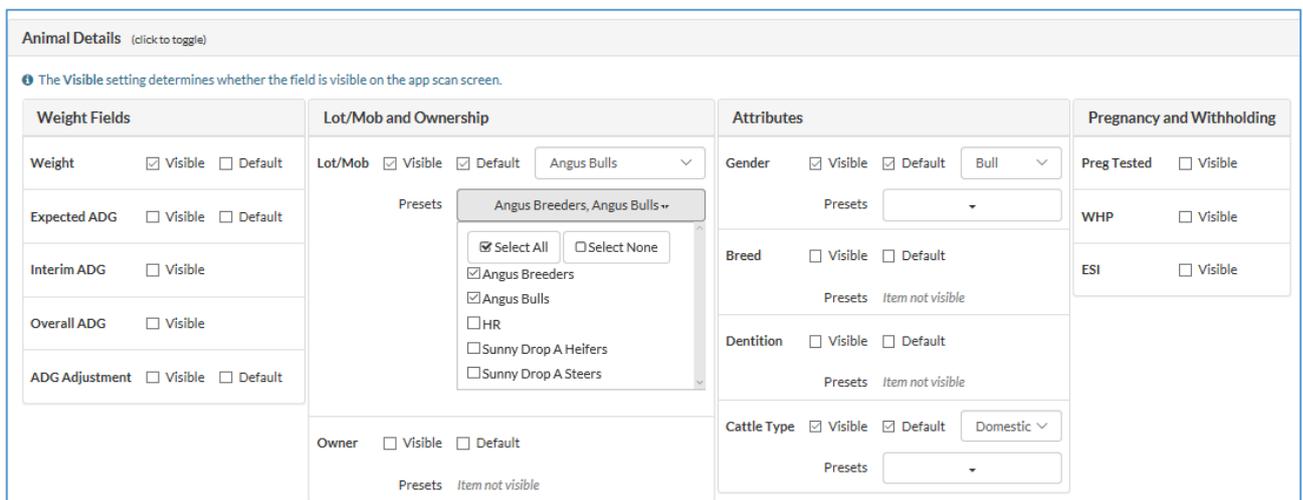
4. Select **Edit** Animal Details, Treatments, Gates, and/or Draft Rules to make changes.

- **Note:** One section at a time can be edited, on completion of each section select **Save**, **Done**. The other sections will then become available for editing.



a. **Animal Details:** Tick or untick Visible, Default, and Preset boxes for required fields.

- **Visible:** Tick to make field visible within the tablet Scan Session screen.
- **Default:** Tick, and select a Default, if desired.
- **Note:** If a Default is selected, for each animal in the session, that field will initially be populated with the default to save time, but it can be modified.  
E.g. If 'Angus' is the default Breed, Angus will be the selected Breed each time an animal is added to the session. The animal's Breed can manually be changed to another Breed within the session.
- **Presets:** If a Preset List is selected, for each animal in the session, only those values will be available for selection against the pertinent field, for simplification.
- **Note:** If no preset list is defined, all values will be available against the pertinent field.  
E.g. If 'Angus' and 'Angus X' are Breed Preset Lists, these two Breeds will be the only two Breed options within the session (regardless of whether a Default is selected).



- b. **Treatments:** Select **Add** to add a Treatment Item, which will be applied to animals within the session. Enter Treatment Item Details, then **Save Changes** to retain. Repeat for each Treatment Item.
- **Note:** If Apply is ticked, the Item will be applied to all session animals by default (but can be deselected for specific animals within the session).  
If Apply is unticked, the Item will appear in the Scan Session, but will only be applied to selected animals if Apply is selected within the session.

Treatment	Ailment	Batch No.	Dose	
Vit ADE	Vitamin Deficiency	123ABC	5	<input checked="" type="checkbox"/>
Alamycin 10 Injectable	Dystocia (calving difficulty)			<input type="checkbox"/>

- c. **DNA Documents:** Select the tickbox to make the DNA Documents visible for the session on the App

- d. **Gates/Movements:** Select **Add** to set up Gates, required for moving cattle within the session. **Save Changes**.

Gate	Property	Paddock
1	Sunny Downs	East Main
2	Sunny Downs	Silo Paddock
3	Sunny Downs	West Triangle

- e. **Draft Rules:** Select **Add** to set up various Draft Rules, which will calculate the destination of animals in the session based on preset parameters of Weight, Days on Feed, Property/Paddock, Mob, Gender, Breed, Cattle Type, Dentition, Has Follow Up, Is Flagged, Pregnancy, Within WHP, Within ESI and HGP Treated.
- **Note:** if an animal meets the criteria for more than one Draft Rule (e.g. Rule 1 = >450kg, Rule 2 = >350kg, and animal is 500kg), the animal will be assigned the Gate for the first sequenced rule it qualifies for (i.e. Rule 1). Therefore, always put larger weights first in the Draft Rules.
  - **Note:** There must be an 'ELSE' Rule set up.

**Add Draft Rule**

---

**IF**

Target Weight  kg (and above)

Use  ▼

Days on Feed

Property/Paddock

Mob

Gender

Breed

Cattle Type

Dentition

Has Follow Up

Is Flagged

Pregnancy

Within WHP

Within ESI

HGP Treated

---

**THEN Draft To**

Gate  ▼

Property

Paddock

**Draft Rules** Edit ✓ ✕

Draft Rules: 3 + Add

Gate	Destination	Criteria Summary	
1	Alpha Downs Station, Mitchells	580kg (Current Weight)	↑ ↓ ✕
2	Alpha Downs Station, Hatchett	400kg (Current Weight)	↑ ↓ ✕
3	Alpha Downs Station, Widow Creek	ELSE	

- Repeat Steps 1 to 4 for each preset Sessions Template.

### 3.9. Period Close

It is possible to lock down session data after a period of time in order to prevent retrospective edits. The 'Period Close' function prevents users from editing existing sessions and from creating new sessions if the session date is prior to the 'Period Close' date. This is particularly useful when data has been checked by management and entered into other systems or incorporated into accounting reports.

- Select **+ Close Period** then add a description and select the date prior to which all sessions are to be locked. Select **Save**.

**Close Period**

Description

Date Closed

**Period Close**

*Use Period Close to prevent creating and editing of sessions before a certain date*

Period closed to 30/06/2018  
 EOFY Records Closed

- Note:** This will now lock all sessions prior to the specified date. Under 'View/Edit Sessions', these sessions are greyed out, as seen below. These sessions can still be viewed as usual, however no changes can be made, or information deleted.

16 Jul 2018	Preg Test and Weigh 2016 Heifers	BAAE00023	Handling: Weighing	Barnum		0	5		
13 Jul 2018	Move 2016 Hereford Heifers	BAAA00022	Handling: Mob Movement	Barnum	Bulk	0	3		
02 Jul 2018	Cattle type change	MIAA00037	Handling: Mob Transfer	Mirraburrum		0	199		
21 May 2018	Opening Stock - Back2	TAAE00005	Arrival: Opening Stock	Taylor		29	29		
19 May 2018	Roma Saleyard Purchase	TAAA00001	Arrival: Induction	Taylor		110	110		
16 May 2018	Move Wagyu Steers to MI	BAAA00008	Handling: Inter-property Exit	Barnum		25	0		

- Should you need to edit a session within a closed period, you can cancel the 'Period Close' using the **Roll Back** button. You will receive a notification stating 'The current period close date will be rolled back'. Click **OK** to continue.

**Period Close**

*Use Period Close to prevent creating and editing of sessions before a certain date*

Period closed to 30/06/2018  
 EOFY Records Closed

stockmate.online says

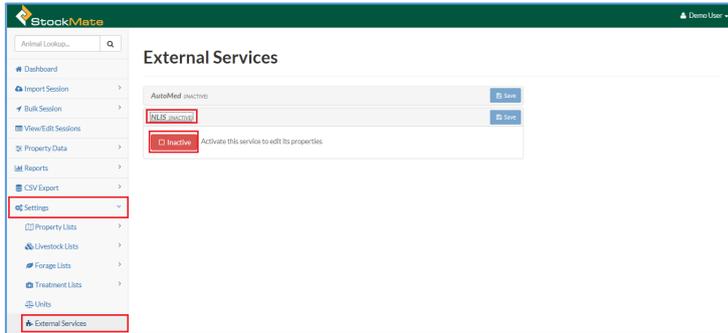
The current period close date (30/06/2018 "EOFY Records Closed") will be rolled back.

Click OK to continue.

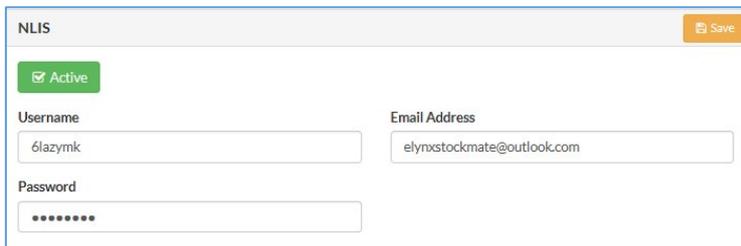
### 3.10. External Services

External services such as AutoMed and NLIS can be activated, if desired.

1. Select **Settings**, **External Services**, **[desired service]**, **Inactive** (to activate).



2. Enter your credentials for that service, **Save**.

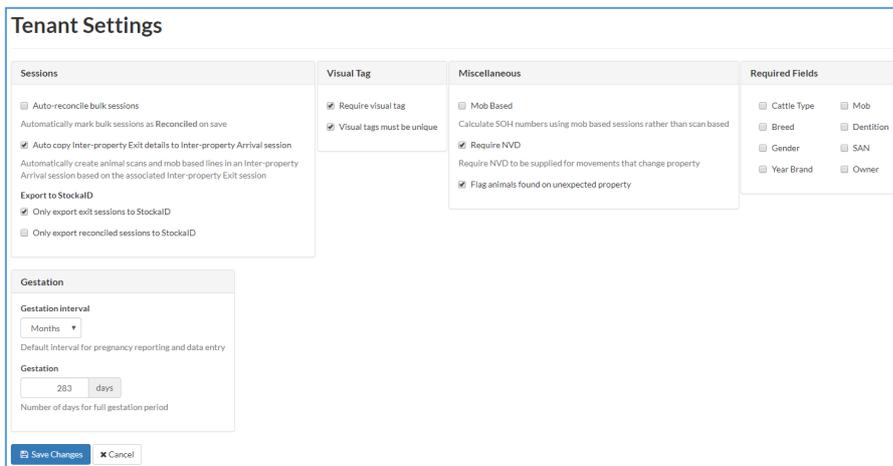


3. Follow steps 1-2 to set up each External Service.

### 3.11. Tenant Settings

Users with Administrator Level Permissions can choose settings to reflect business rules within the organisation. Not all settings are relevant for all StockMate users. Of note is the 'Miscellaneous' setting, 'Mob Based'. Choosing this setting determines the way livestock numbers are calculated and the content of menu items on both the website and the mobile App. See section 7 for detail on Mob Based and Individual Animal methods of calculating livestock inventory.

1. Select **Settings**, **Tenant Settings**, tick or untick required Tenant options, **Save Changes**.



### 3.12. Devices

Tablets and devices are registered on the mobile App. All devices registered to the client are listed under Devices. This shows the App and database version in use, and the name and the code assigned to the device, as well as synchronisation and status details.

1. Select **Settings**, **Devices**.

Last Synced	Name	Code	App Version	DB Version	Status
23 Jun 2018 09:29:00		AB	1.8.3.35	3	✓ Active
12 Jul 2018 11:33:44		AC	1.8.3.35	3	✓ Active
12 Jul 2018 12:46:01		AD	1.9.0.5	5	✓ Active
21 Nov 2018 11:03:24		AE	1.11.2.18	9	✓ Active

2. If a device is lost or stolen, it can be blocked by selecting the device and blocking the device with the red **Block** button.

### 3.13. User Management

#### 3.13.1. Manage Contacts

1. Select **Settings**, **User Management**, **Manage Contacts**, **Add Record**.

Name	Code	Company	Email
Jason	AA87		
John	AA88		
name	AA952		

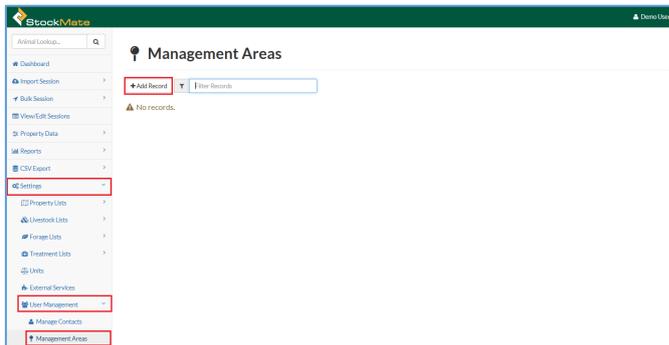
2. Enter the Contact Details fields, **Save Changes**, then select the Contact Group(s).

3. Select **Save Changes** again.
4. Follow steps 1-3 to set up each Contact.

### 3.13.2. Management Areas

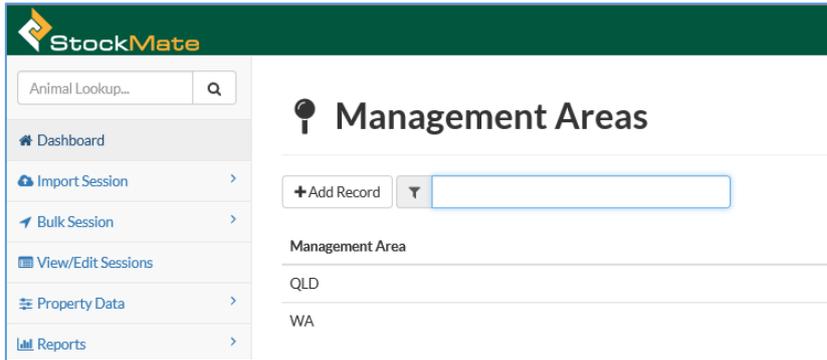
Management Areas can be used to define areas of the business under different management; for example: QLD/WA, East/West, or Sunny/Waterloo.

1. Select **Settings**, **User Management**, **Management Areas**, **Add Record**.



2. Enter the Management Area Details fields.

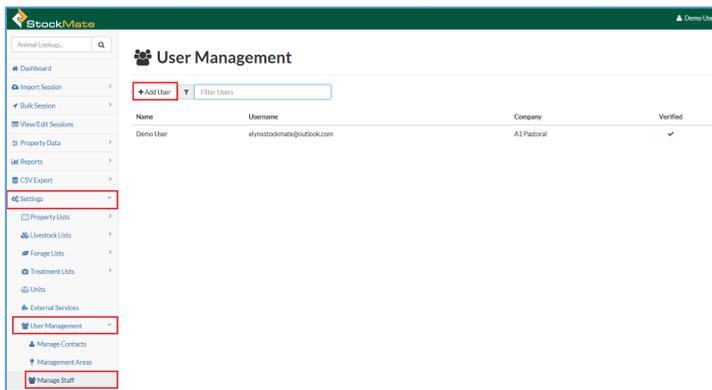
3. Select **Save Changes**.
4. Follow steps 1-3 to set up each Management Area.



### 3.13.3. Manage Staff

Enter all Staff who will require use of StockMate. New Users will be sent a verification email to activate their StockMate account.

1. Select **Settings**, **User Management**, **Manage Staff**, **Add Record**.



2. Enter the User Details fields.

- **Note:** The specified 'Role' determines the level of StockMate access the user is granted. Administrator, Area Manager and Operator is the hierarchy in order of highest to lowest. Users cannot change their role or anyone else's role to a higher role than their own.

#### User Details

Username:	<input type="text" value="Jason@apastoral.com"/>	Company:	<input type="text" value="A1"/>
Given Name:	<input type="text" value="Jason"/> <input type="text" value="Williams"/>	Phone:	<input type="text" value="0400 123 456"/>
Role:	<input type="text" value="Area Manager"/>	Address:	<input type="text" value="870 Orange Tree Road"/>
Verified:	<input type="checkbox"/> <input type="checkbox"/> Send Verification Email		<input type="text" value="Address Line 2"/>
Actions:	<input type="button" value="Disable"/> <input type="button" value="Send Password Reset Email"/>		<input type="text" value="Newman"/>
			<input type="text" value="WA"/> <input type="text" value="6750"/>
			<input type="text" value="Australia"/>

3. Select **Save Changes**.
4. If the user needs to login and they don't have access to their email account to click on the link in the verification email, select the new option displayed **Manually Set Password** and enter a Password to allow the user to login with their Username and Password that was set.
  - **Note:** Users can then choose to login and reset their password by selecting **Send Password Reset Email** or choosing the Reset Password option on the StockMate login screen.
5. Scroll down to select the Management Area(s) this user is permitted access to.

Management Groups:

WA ▾

Select All    Select None

QLD

WA

6. Select **Save Changes**, **Close**.
7. Follow steps 1-5 to set up each User.

**StockMate** Demo User ▾

Animal Lookup...

### User Management

[+ Add User](#)

Name	Username	Company	Verified
Demo User	elynxstockmate@outlook.com	A1 Pastoral	✓
Jason Williams	Jason@a1pastoral.com	A1 Pastoral	✗
John Williams	john@a1pastoral.com	A1 Pastoral	✗
Barry Gibb	Barry@a1pastoral.com	A1 Pastoral	✗
Lucy Williams	lucy@a1pastoral.com	A1 Pastoral	✗
Barb Taylor	Barb@cattleteam.com	Cattle Team	✗
Mark Taylor	mark@cattleteam.com	Cattle Team	✗

## 4. Setup: Current Property and Animals (Web)

Section 4 outlines the web entry of current property and animal information pertaining to your business, including forage levels and animal numbers.

1. Sign in to the StockMate website. (See section 2.1 for sign in details, if required.)

### 4.1. Animals - Import & Bulk Sessions

- **Note:** This section outlines the steps required to Import, Move, and Exit current animals using the website. Current animal data can instead be populated using the tablet via in-field scanning. To do this, see section 5.2 instead.

#### 4.1.1. Import: Arrival, Handling, Exit and Breeding Traits

1. Select **Import Session**, **Arrival**, **Handling**, **Exit** or **Breeding Traits**, select **Download Template**, save and open the spreadsheet.

2. Populate the spreadsheet with current animal information. Save to your PC.
  - **Note:** Ensure if entered, the Lot (Mob), Gender, Cattle Class (Cattle Type), Breed, Owner, Property, Paddock, and Buyer match existing parameters in StockMate.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	
1	EID	Visual Tag	Change EI	Change V	Date Scan	Weight	Origin PIC	Origin NVD	Lot	SAN	Gender	Cattle Class	Breed	Owner	Property	Paddock	NVD	Buyer	Dentition	Body Condition	Scg	Preg Te
2	982 123456781000	1100			22/03/17	506	NA445678	12345678	Angus Breeders		Cow	Domestic	Angus	Mark M	Sunny Do	West Triangle						
3	982 123456781001	1101			22/03/17	512	NA445678	12345678	Angus Breeders		Cow	Domestic	Angus	Mark M	Sunny Do	West Triangle						
4	982 123456781002	1102			22/03/17	518	NA445678	12345678	Angus Breeders		Cow	Domestic	Angus	Mark M	Sunny Do	West Triangle						
5	982 123456781003	1103			22/03/17	416	NA445678	12345678	Sunny Drop A Heifers		Heifer	Domestic	Angus	Mark M	Sunny Do	West Triangle						
6	982 123456781004	1104			22/03/17	430	NA445678	12345678	Sunny Drop A Steers		Steer	Domestic	Angus	Mark M	Sunny Do	West Triangle						
7	982 123456781005	1105			22/03/17	444	NA445678	12345678	Sunny Drop A Heifers		Heifer	Domestic	Angus	Mark M	Sunny Do	West Triangle						
8	982 123456781006	1106			22/03/17	458	NA445678	12345678	Sunny Drop A Steers		Steer	Domestic	Angus	Mark M	Sunny Do	West Triangle						
9	982 123456781007	1107			22/03/17	230	NA445678	12345678	Angus Bulls		Bull	Domestic	Angus	Mark M	Sunny Do	West Triangle						
10	982 123456781008	1108			22/03/17	244	NA445678	12345678	Angus Bulls		Bull	Domestic	Angus	Mark M	Sunny Do	West Triangle						

3. On the website, enter the Arrival, Handling, or Exit fields and **Browse** to your saved spreadsheet.
  - **Note:** A Source option of **Scan** or **Bulk** is available in Import Sessions. This classification is important to distinguish animals that have been physically scanned from those that weren't scanned and are just a list of animals that should be in a specific Property/Paddock. It is used in the calculation of the Last Scanned Date of an animal in Bulk Handling Sessions and the Livestock Report.
  - **Note:** For Handling Imports:  
If the 'Property' and 'Paddock' columns are populated on the CSV file, the animals will be moved to these Properties/Paddocks, regardless of the web form 'Default Destination' option.

If 'Default Destination' is ticked on the web form, the user can specify the 'Property' and 'Paddock', which will be used for CSV records with a blank 'To Property' and 'To Paddock'.

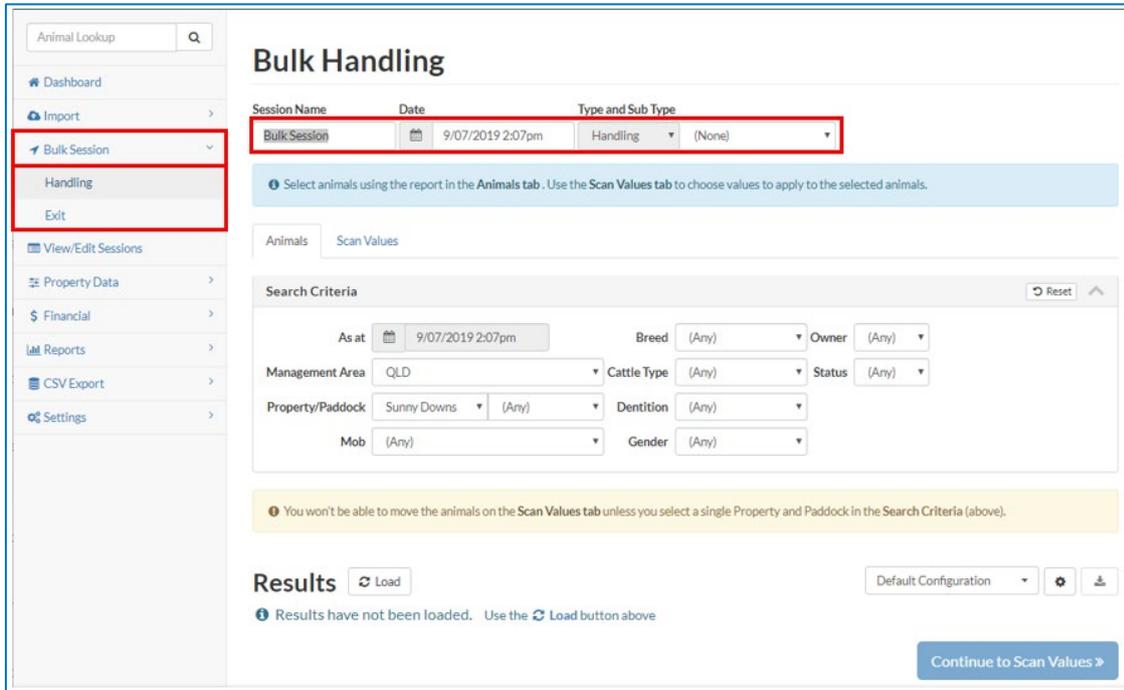
4. Select **Import [X] Valid Records**, to import the file. A large file may take a minute or more to import, please do not leave or refresh the page in the meantime.

- **Note:** A message is displayed if the Import is unsuccessful. For more information regarding failed records, select **Download Errors**. Follow the prompts to open and view the CSV file. You may have to scroll to the right to view the Error Message(s) displayed in the last column. This file can then be edited as necessary, saved
- **Note:** A confirmation is given if the Import completes successfully. To view the Session that was created, select **Review this Session**.

### 4.1.2. Bulk Session: Handling and Exit

This section outlines the steps required to Bulk Move or Exit cattle between Properties, Paddocks, and Mobs, without importing a CSV file. Other specific details can also be Bulk applied to animals using this functionality.

1. Select **Bulk Session**, **Handling** or **Exit**.
2. Enter the Session Details.



3. Select the Search Criteria, select report configuration, select **Load** to generate the list of animals that meet the criteria.
  - **Note:** To move animals the Property and Paddock must be selected within the Search Criteria.
  - **Note:** Animals that have not been seen (scanned) for a certain period of time can be added to a Bulk Exit – Missing Session and receive a Status of 'Missing' by entering the number of days in the Last Scanned Search Criteria.
  - **Note:** The report configuration is able to be customised see section [4.4.1.1](#) for further information.

### Bulk Handling

Session Name: South Pad Mob Change | Date: 9/07/2019 2:26pm | Type and Sub Type: Handling, Mob Transfer

Select animals using the report in the **Animals** tab. Use the **Scan Values** tab to choose values to apply to the selected animals.

Animals | Scan Values

**Search Criteria** Reset

As at: 9/07/2019 2:26pm | Breed: (Any) | Owner: (Any)

Management Area: QLD | Cattle Type: (Any) | Status: Active

Property/Paddock: Sunny Downs | South Paddock | Dentition: (Any)

Mob: Sunny Drop A Steers | Gender: (Any)

Results Load Default Configuration ⚙️ 📄

Results have not been loaded. Use the Load button above

[Continue to Scan Values >](#)

4. Select required animals, select Continue to Scan Values.

### Bulk Handling

Session Name: South Pad Mob Change | Date: 9/07/2019 2:26pm | Type and Sub Type: Handling, Mob Transfer

Select animals using the report in the **Animals** tab. Use the **Scan Values** tab to choose values to apply to the selected animals.

Animals 2 | Scan Values

**Search Criteria** Reset

As at: 9/07/2019 2:26pm | Breed: (Any) | Owner: (Any)

Management Area: QLD | Cattle Type: (Any) | Status: Active

Property/Paddock: Sunny Downs | sort 2 | Dentition: (Any)

Mob: (Any) | Gender: (Any)

Results ⌂ showing rows 1 to 2 of 2 \*2 selected Default Configuration ⚙️ 📄

<input checked="" type="checkbox"/>	EID	Visual Tag	Status	Mob	Property	Paddock
<input checked="" type="checkbox"/>	982 123456781008	1108	Active	Angus Bulls	Sunny Downs	sort 2
<input checked="" type="checkbox"/>	982 123456781009	1109	Active	Angus Bulls	Sunny Downs	sort 2

Showing rows 1 to 2 of 2

[Continue to Scan Values >](#)

5. Select values to update on all selected animals.
6. To add a Treatment, select Add. Enter the Treatment fields.
  - **Note:** Dose refers to the number of units per animal.
7. Select Create session with Scans for x selected animals.

### Bulk Handling

Session Name: South Pad Mob Change | Date: 9/07/2019 2:26pm | Type and Sub Type: Handling, Mob Transfer

Select animals using the report in the **Animals** tab. Use the **Scan Values** tab to choose values to apply to the selected animals.

**Animals** (2) | Scan Values

EID	n/a	Pregnancy	<input type="checkbox"/> Preg Tested <input checked="" type="checkbox"/> Empty <input type="checkbox"/> In Calf
Visual Tag	n/a	Lactating	<input type="checkbox"/> Tested <input type="checkbox"/> Wet <input type="checkbox"/> Dry
Status	n/a	Date of Birth	<input type="text"/>
Scan Date	9/07/2019 2:26pm	Origin PIC	n/a
Weight	n/a	Origin	n/a
Overall ADG	n/a	Vendor	n/a
Interim ADG	n/a	NVD	<input type="text"/>
Mob/Lot	Angus Bulls	SAN	<input type="text"/>
Breed	Angus	Property	Sunny Downs
Gender	Bull	Paddock	North Paddock
Cattle Type	<input type="text"/>	Follow Up	<input type="text"/>
Dentition	<input type="text"/>	Note	<input type="checkbox"/>
BCS	<input type="text"/>		
Owner	<input type="text"/>		

Treatments: 1 (click to toggle) + Add

Treatment	Ailment	Batch No.	Dose
S in 1	(Optional)	XYZ123	4

✖ Clear Scan Values 📄 Create session with scans for 2 selected animals

8. Follow steps 1-7 for each Bulk Handling or Exit Session.

## 4.2. View/Edit Sessions

This section allows you to view and edit Imported, Scanned, or Bulk Sessions, entered via the website or App.

1. Select **View/Edit Sessions** to view the Session List.

If desired, Search by Session Name, Session Type, Date Range, or Source. Select **Search**. Filter further by selecting the Filter Icon and typing Session Name, Code, Type, or Session Property. Sessions that meet your criteria will be displayed.

Session Date	Name	Code	Type	Property	Source	Head	Reconciled
17 Mar 2020	Bulk Session	ADAA00135	Handling	Alpha Downs Station	Bulk	20	
17 Mar 2020	Bulk Session	ADAA00134	Handling	Alpha Downs Station	Bulk	1	
13 Mar 2020	Interproperty move	ADAA00131	Handling: Inter-property Exit	Alpha Downs Station	Bulk	122	

- **Note:** Select Session Details icon to view/edit the Session Name, Code, Session Type and Sub Type, or Session Date. Select Session Defaults icon to view the defaults set for the session. Select Session Documents to view any attached documents for the Session. Select Session Services to view Services.

Results showing rows 1 to 3 of 3

Session Date	Name	Code	Type	Property	Source	Head	Reconciled
17 Mar 2020	Bulk Session	ADAA00135	Handling	Alpha Downs Station	Bulk	20	

2. Select a session record to view Animals in Session.

Name: [ ] Session Type: ALL Date Range: 18/02/2020 - 18/03/2020 Source: ALL Bulk CSV Other Search

Results showing rows 1 to 3 of 3

Session Date	Name	Code	Type	Property	Source	Head	Reconciled
17 Mar 2020	Bulk Session	ADAA00135	Handling	Alpha Downs Station	Bulk	20	
17 Mar 2020	Bulk Session	ADAA00134	Handling	Alpha Downs Station	Bulk	1	

Animals in Session: Bulk Session (17 Mar 2020)

Session Details Documents Services Reconcile

Import CSV Download CSV Add Animal Bulk Edit Session Defaults

Search Criteria [ ] Reset

Animal Scans showing rows 1 to 20 of 20

Date and Time	EID	Visual Tag	Cattle Type	Breed	Gender	Mob	Weight	From Property	From Paddock	To Property	To Paddock	Treatments
<input type="checkbox"/> 17/03/2020 16:17:25	990 100200305926	17526	Breeder Cow	Brahman		2014 Brahman Cows		Alpha Downs Station	Brown Ridge	Alpha Downs Station	Hatchett	Arrival Drench
<input type="checkbox"/> 17/03/2020 16:17:25	990 100200305903	17503	Breeder Cow	Brahman		2014 Brahman Cows		Alpha Downs Station	Brown Ridge	Alpha Downs Station	Hatchett	Arrival Drench
<input type="checkbox"/> 17/03/2020 16:17:25	990 100200305977	17577	Breeder Cow	Brahman		2014 Brahman Cows		Alpha Downs Station	Brown Ridge	Alpha Downs Station	Hatchett	Arrival Drench

- **Note:** The animal Results view is based on the selected Report Configuration. To modify the Results view, select the desired Report Configuration from the dropdown. To create new Report Configurations, see section 2.
- **Note:** The Results can be Sorted and Downloaded. See section 4 for steps if desired.
- **Note:** Select **Session Details** to view/edit the Session Name, Code, Session Type and Sub Type, or Session Date.
- **Note:** Select **Documents** to view/edit the Session Documents.
- **Note:** Select **Services** to the view/edit the Session Services.
- **Note:** Select **Reconcile** to flag this session as reconciled.
- **Note:** Select **Add Animal** to add to the session.
- **Note:** Select **Bulk Edit** after selecting animals with the checkbox on left hand side of line to edit existing information against animal/s in session. See section 4.2.1 for further details.
- **Note:** Select **Session Defaults** to view the defaults set for the session.
- **Note:** Select **Import CSV** and follow the prompts to add records to the session.
- **Note:** Select **Download CSV** and follow the prompts to view detailed session records.

3. Select an animal record to view Session Animal Details.

Animal Scans showing rows 1 to 20 of 20

Date and Time	EID	Visual Tag	Cattle Type	Breed	Gender	Mob	Weight	From Property	From Paddock	To Property	To Paddock	Treatments
<input type="checkbox"/> 17/03/2020 16:17:25	990 100200305926	17526	Breeder Cow	Brahman		2014 Brahman Cows		Alpha Downs Station	Brown Ridge	Alpha Downs Station	Hatchett	Arrival Drench

**Scan Details** ADAA00135 Handling 📄 🔔 🏠

<p><b>EID</b> <input type="text" value="990 100200305926"/> <input type="button" value="✎"/></p> <p><b>Visual Tag</b> <input type="text" value="17526"/> <input type="button" value="✎"/></p> <p><b>Status</b> Active</p> <p><b>Scan Date</b> <input type="text" value="17/03/2020 4:17pm"/></p> <p><b>Weight</b> <input type="text"/> kg</p> <p><b>Overall ADG</b></p> <p><b>Interim ADG</b></p> <p><b>HGP</b> <input type="checkbox"/> HGP</p> <p><b>Mob/Lot</b> <input type="text" value="2014 Brahman Cows"/> -</p> <p><b>Breed</b> <input type="text" value="Brahman"/> -</p> <p><b>Gender</b> <input type="text" value="Cow"/> ⓘ</p> <p><b>Cattle Type</b> <input type="text" value="Breeder Cow"/> -</p> <p><b>Dentition</b> <input type="text"/> -</p> <p><b>BCS</b> <input type="text"/> -</p> <p><b>Owner</b> <input type="text"/> -</p>	<p><b>Pregnancy</b> <input type="checkbox"/> Preg Tested <input type="button" value="Empty"/> <input type="button" value="In Calf"/></p> <p><b>Joining</b> <input type="checkbox"/> Joined <input type="text" value="(None)"/> <input type="button" value="Joining Type"/></p> <p><b>Lactating</b> <input type="checkbox"/> Tested <input type="button" value="Wet"/> <input type="button" value="Dry"/></p> <p><b>On Feed</b> <input type="button" value="Off Feed"/> <input type="button" value="On Feed"/></p> <p><b>Current DOF</b> 0 days on feed</p> <p><b>Date of Birth</b> <input type="text"/></p> <p><b>Year Brand</b> <input type="text"/></p> <p><b>Origin PIC</b> <input type="text" value="TFRV1203"/></p> <p><b>Origin</b> <input type="text"/></p> <p><b>Vendor</b> <input type="text"/></p> <p><b>NVD</b> <input type="text"/></p> <p><b>SAN</b> <input type="text"/> -</p> <p><b>Property</b> <input type="text" value="Alpha Downs Station"/> -</p> <p><b>Paddock</b> <input type="text" value="Hatchett"/> ⓘ</p> <p><b>Follow Up</b> <input type="text"/></p> <p><input type="checkbox"/> Note</p>
--	--

**Parentage: 1** (click to toggle)

---

**Calf Registration** (click to toggle)

---

**Other Breeding Traits** (click to toggle)

---

**Treatments: 1** (click to toggle)

---

**DNA Documents: 0** (click to toggle)

Edit then Save Changes, if required. Otherwise, select Cancel/Close.

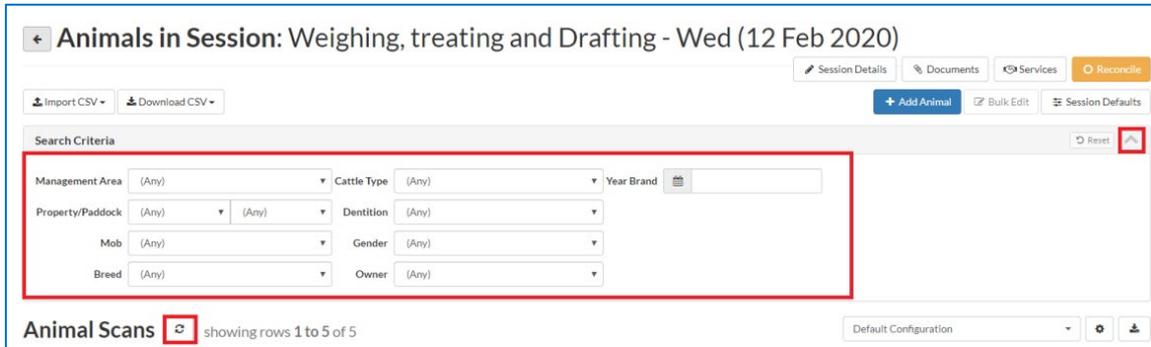
- **Note:** Select 'Parentage' to view Parentage detail. Select Add to add a Parent.
- **Note:** Select 'Calf Registration' to view Calf Registration details. Enter relevant values.
- **Note:** Select the 'Other Breeding Traits' bar to view Breeding Traits. Enter relevant values.
- **Note:** Select the 'Treatments' bar to view Treatment detail. Select Add to add a Treatment.
- **Note:** Select the 'DNA Documents' bar to view DNA Documents detail. Select Add to add DNA Document information.

### 4.2.1. Bulk Edit (within a Session)

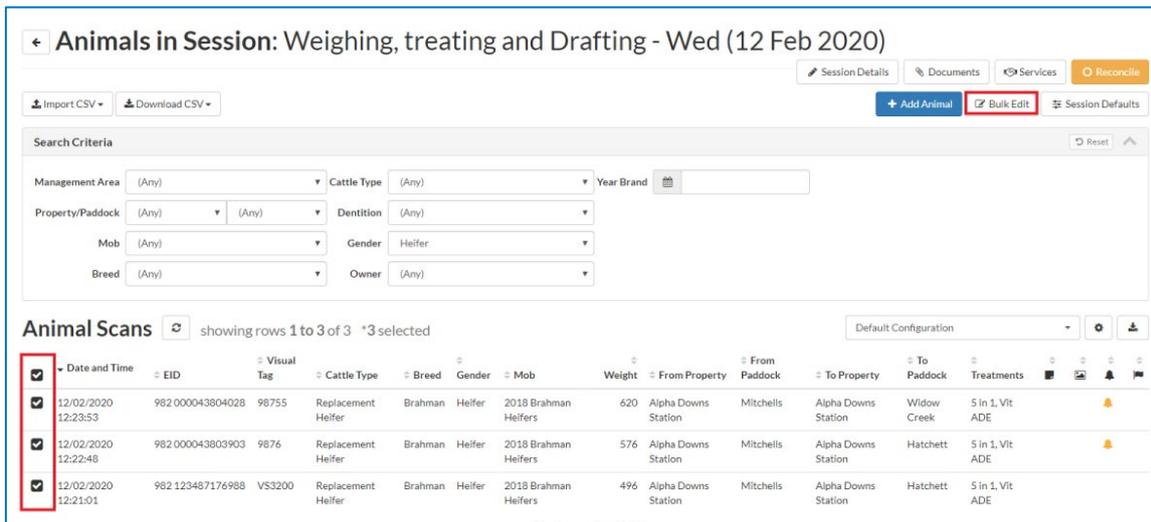
The Bulk Edit functionality allows for data that was missed or incorrectly entered within a session to be updated.

- **Note:** For Arrivals, changes made to data here will not being included in the Changes Log in Animal Details. It would be as if the value for a field was originally entered against the animal in the Arrival Session.

1. Select **View/Edit Sessions**, click the required session to open it.
2. Select **V** to display the Search Criteria, enter Search Criteria if required, **Load**.



3. Select required animals, **Bulk Edit**.



4. Enter any values that you wish to change for all selected animals, **Update x Animals**. (Example below changes the Gender and Cattle Type for all selected animals – check before selecting Update that the number of animals listed to be changed is what you would expect)

**Bulk Edit** ADAF00127 Handling: Weighing 📄 🔔 🚩

<p>EID n/a</p> <p>Visual Tag n/a</p> <p>Status n/a</p> <p>Scan Date n/a</p> <p>Weight n/a</p> <p>Overall ADG n/a</p> <p>Interim ADG n/a</p> <p>HGP <input type="checkbox"/> HGP</p> <p>Mob/Lot <input type="text"/></p> <p>Breed <input type="text"/></p> <p>Gender Cow <input type="text"/></p> <p>Cattle Type <u>Breeder Cow</u> <input type="text"/></p> <p>Dentition <input type="text"/></p> <p>BCS <input type="text"/></p> <p>Owner <input type="text"/></p>	<p>Pregnancy <input type="checkbox"/> Preg Tested <input type="button" value="Empty"/> <input type="button" value="In Calf"/></p> <p>Joining <input type="checkbox"/> Joined (None) <input type="text"/> <input type="button" value="Joining Type"/></p> <p>Lactating <input type="checkbox"/> Tested <input type="button" value="Wet"/> <input type="button" value="Dry"/></p> <p>On Feed <input type="button" value="Off Feed"/> <input type="button" value="On Feed"/></p> <p>Current DOF n/a</p> <p>Date of Birth <input type="text"/></p> <p>Year Brand <input type="text"/></p> <p>Origin PIC n/a</p> <p>Origin n/a</p> <p>Vendor n/a</p> <p>NVD <input type="text"/></p> <p>SAN <input type="text"/></p> <p>Property <input type="text"/></p> <p>Paddock (No items) <input type="text"/></p> <p>🔔 Follow Up <input type="text"/></p> <p>📄 Note <input type="text"/></p>
---	--

5. Once updated, the animal/s will display the new value in the Animal Scans screen.

### 4.3. Property Data

- **Note:** This section outlines the steps required to enter current Property data using the website. Property data can instead be entered on the tablet. To do this, see section 5.6 instead.

#### 4.3.1. Paddocks

(See section 3.1.2 for Paddock set up steps, if required.)

#### 4.3.2. Forage Levels

1. Select **Property Data**, **Forage Levels**, select the required Property and Paddock, **Add Record**.

2. Enter the Forage Log fields.

### Forage Log

Paddock:

Date:

Type:

Level:

Coverage:  %

Actions:

3. Select **Save Changes**.
4. Follow steps 1-3 for each Forage Log.

The screenshot shows the StockMate interface with the 'Forage Log' section active. The left sidebar contains navigation options: Dashboard, Import Session, Bulk Session, View/Edit Sessions, Property Data (expanded), Paddocks, Forage Levels, and Supplement Levels. The main content area shows the 'Forage Log' form with 'Property' set to 'Sunny Downs' and 'Paddock' set to 'West Triangle'. Below the form is a table with the following data:

Date	Type	Level	Coverage
23 Mar 2017	Forage oats	Low	100%
23 Mar 2017	Forage sorghum	Low	10%

### 4.3.3. Supplement Levels

1. Select **Supplement Levels**, select the required Property and Paddock, **Add Record**.

The screenshot shows the StockMate interface with the 'Supplement Log' section active. The left sidebar has 'Property Data' expanded and 'Supplement Levels' selected. The main content area shows the 'Supplement Log' form with 'Property' set to 'Sunny Downs' and 'Paddock' set to 'West Triangle'. Below the form is a table with the following data:

Date	Type	Level	Coverage
No records.			

2. Enter the Supplement Log fields.

### Supplement Log

Paddock: West Triangle

Date:

Supplement:

Supplement Type:

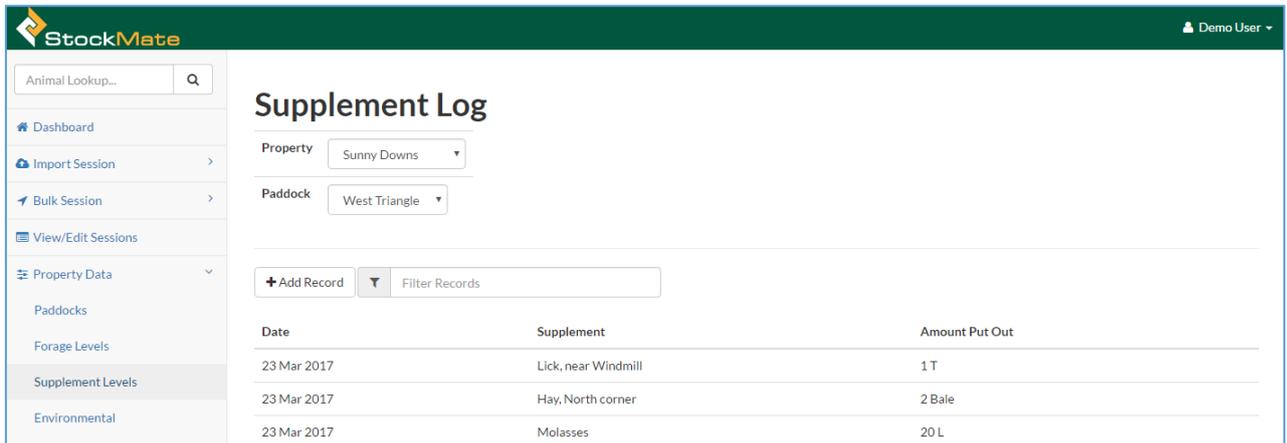
Description:

Units:

Amount Put Out:

Actions:

3. Select **Save Changes**.
4. Follow steps 1-3 for each Supplement Log.



**Supplement Log**

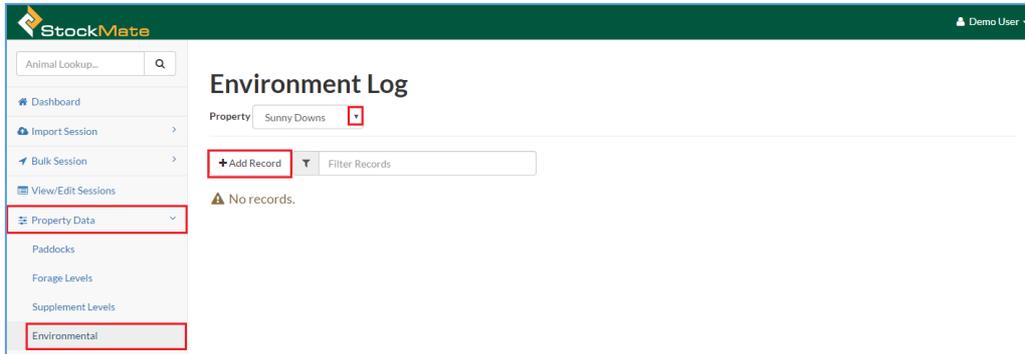
Property: Sunny Downs

Paddock: West Triangle

Date	Supplement	Amount Put Out
23 Mar 2017	Lick, near Windmill	1 T
23 Mar 2017	Hay, North corner	2 Bale
23 Mar 2017	Molasses	20 L

### 4.3.4. Environmental

1. Select **Environmental**, select the required Property, **Add Record**.



2. Enter the Environment Log fields.

### Environment Log

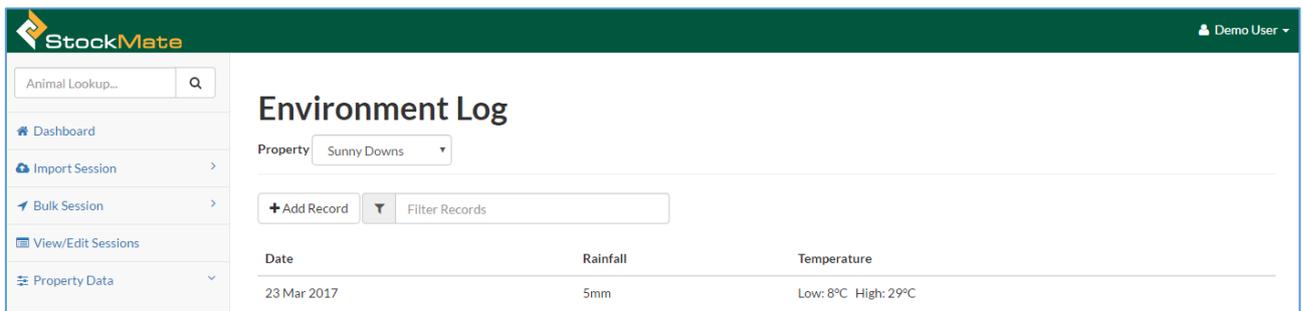
**Date:**

**Rainfall:**  mm

**Temperature:** Low  °C High  °C

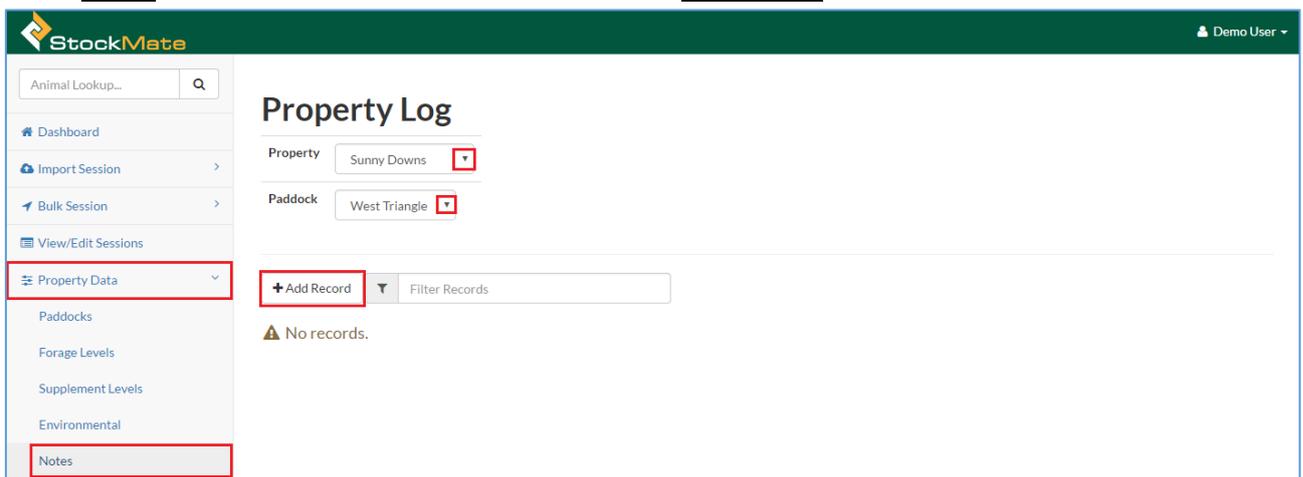
**Actions:**

3. Select **Save Changes**.
4. Follow steps 1-3 for each Environment Log.



### 4.3.5. Notes

1. Select **Notes**, select the required Property and Paddock, **Add Record**.



2. Enter the Property Details Notes fields.

### Property Details

---

**Paddock:**

**Date:**

**Description:**

---

**Actions:** Delete

3. Select Save Changes.
4. Follow steps 1-3 for each Property Note Log.


Demo User ▼

- [Dashboard](#)
- [Import Session](#)
- [Bulk Session](#)
- [View/Edit Sessions](#)
- [Property Data](#)
- [Paddocks](#)
- [Forage Levels](#)
- [Supplement Levels](#)
- [Environmental](#)

### Property Log

**Property**

**Paddock**

---

+ Add Record

Date	Notes
23 Mar 2017	Dam getting low
23 Mar 2017	Some pink eye
23 Mar 2017	Remove dead

## 4.4. Report and Export

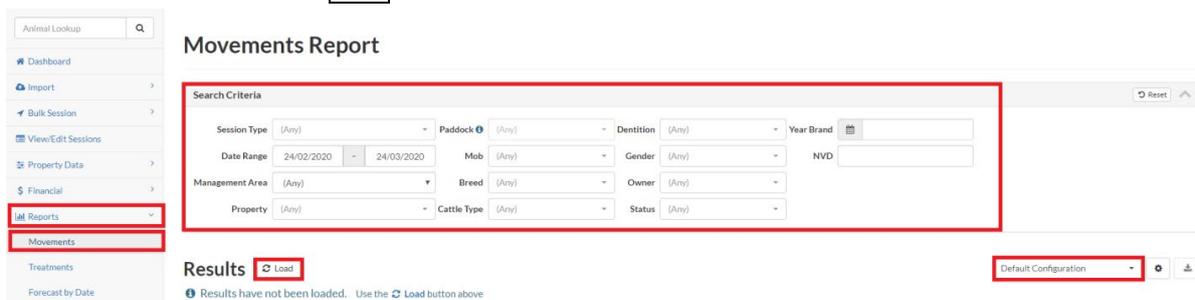
### 4.4.1. Reports

1. Select **Reports**, and select the report you wish to generate (see sections 4.4.1.1 to 4.4.1.7 for report overviews).
2. Most reports have 'Report Configuration' and 'Search Criteria' options that can be edited and updated in a similar fashion.
  - 'Report Configuration' allows the user to customise the report view and save multiple customised versions for easy access to the report templates in future.
  - 'Search Criteria' allows the user to specify which data will be included in the report results.

#### 4.4.1.1. Movements

The Movements report displays stock movements. It can be highly customised to display a summary or detailed view as desired.

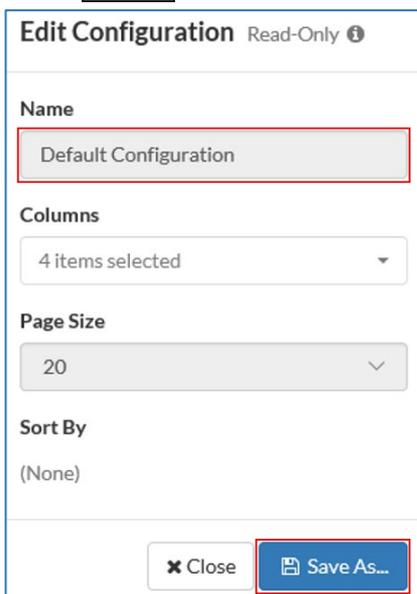
1. Select **Reports**, **Movements**. Select the desired 'Report Configuration' from the dropdown, specify 'Search Criteria' if desired, **Load**.



2. To create a new Report Configuration:
  - a. Open the 'Report Configuration' window by selecting the 'Cog' button.



- b. Select **Save As**, **Name**: Type a report Name.



- c. **Columns**: Expand 'Columns' by selecting the down arrow and select desired fields.

d. **Page Size:** Select the desired Page Size (number of results per webpage).

e. **Save.**

f. Repeat steps a-e above to create multiple customised Report Configurations.

3. To specify Search Criteria, select options as desired:

4. **Load**, Report Results will appear.

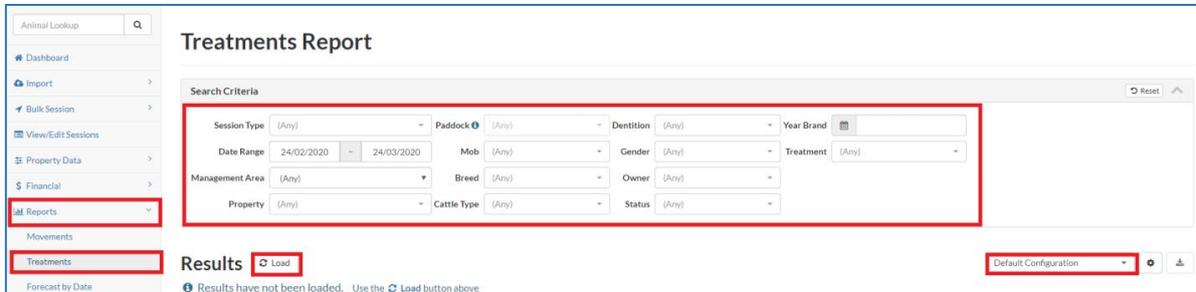
EID	Visual Tag	Cattle Type	Breed	Property	Paddock	Session Code	Session Name	From Property	From Paddock	Movements (Tit)
987 123456781001	10001	Domestic	Angus	Sunny Downs	North Paddock	WAAA00036	notes	Woodlands Farm	In Transit	1
982 123546744426	1747957		Angus	Abattoir ABC		WAAA00031	Bulk Exit	Waterloo Station	South Pad WA	1
123 134567891000	9876			Sunny Downs	In Transit	SDAA00081	NLIS test IPX	Sunny Downs	South Paddock	1
123 134567891000	9876			Waterloo Station	South Pad WA	WAAA00032	NLIS test IPA	Sunny Downs	In Transit	1
124 134567891000	9877			Waterloo Station	South Pad WA	WAAA00032	NLIS test IPA	Sunny Downs	South Paddock	1
982 987654321002	TEST40			Sunny Downs	South Paddock	SDAA00082	NLIS PIC update	Waterloo Station	South Pad WA	1
982 987654321002	TEST40			Waterloo Station	North Pad WA	WAAC00034	#847	Sunny Downs	South Paddock	1
982 987654321004	TEST41			Sunny Downs	North Paddock	SDAA00082	NLIS PIC update	Waterloo Station	South Pad WA	1

- **Note:** Select **Download CSV** and follow the prompts to download results to CSV.
- **Note:** The Results can be sorted by selecting the arrows beside the desired field headings (selecting the arrow once will sort ascending, twice will sort descending). Once Sorting is applied, this can be applied to the Report Configuration by selecting 'Cog', **Update**, **Save**.

#### 4.4.1.2. *Treatments*

The Treatments report displays stock treatments. It can be highly customised to display a summary or detailed view as desired.

1. Select **Reports**, **Treatments**. Select the desired 'Report Configuration' from the dropdown, specify 'Search Criteria' if desired, **Load**.



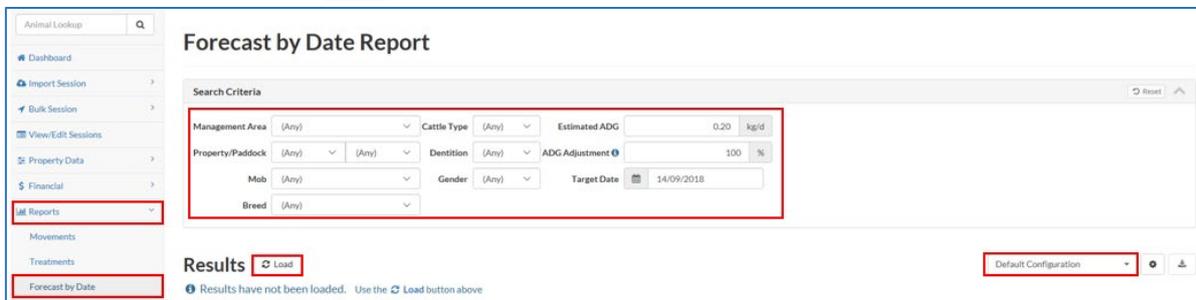
2. The Treatments report can be configured using a similar process to the Movements report. (See section 4.4.1.1 for steps, if required.)

#### 4.4.1.3. *Forecast by Date*

The Forecast by Date report is a flexible analysis tool that allows the forecast of livestock weights by a specified Target Date. Target Dates are calculated using three ADG (Average Daily Gain) measures:

- By Overall ADG (ADG from each animal's first weight to last weight),
- By Interim ADG (ADG from each animal's two most recent weights), and
- By Estimated ADG (user-specified ADG).

1. Select **Reports**, **Forecast by Date**. Select the desired 'Report Configuration' from the dropdown, specify 'Search Criteria' if desired, **Load**.



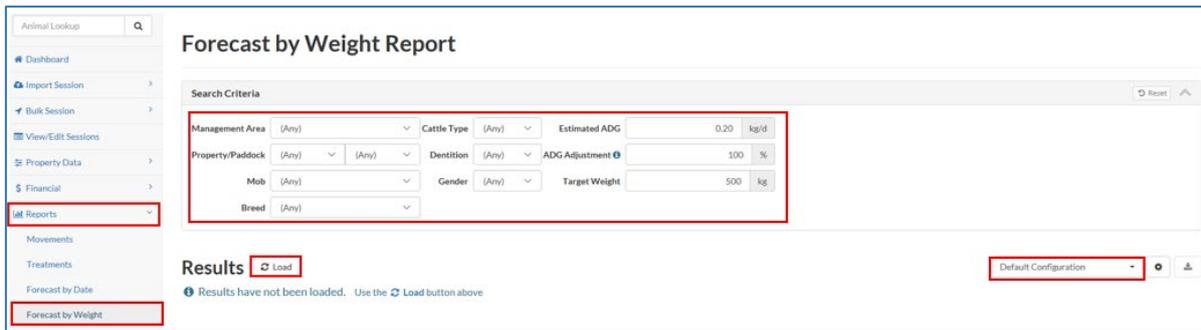
2. The Forecast by Date report can be configured using a similar process to the Movements report. (See section 4.4.1.1 for steps, if required.)

#### 4.4.1.4. *Forecast by Weight*

The Forecast by Weight report is a flexible analysis tool that allows the forecast of Dates livestock will reach a specified Target Weight. Target Weights are calculated using three ADG (Average Daily Gain) measures:

- By Overall ADG (ADG from each animal's first weight to last weight),
- By Interim ADG (ADG from each animal's two most recent weights), and
- By Estimated ADG (user-specified ADG).

1. Select **Reports**, **Forecast by Weight**. Select the desired 'Report Configuration' from the dropdown, specify 'Search Criteria' if desired, **Load**.

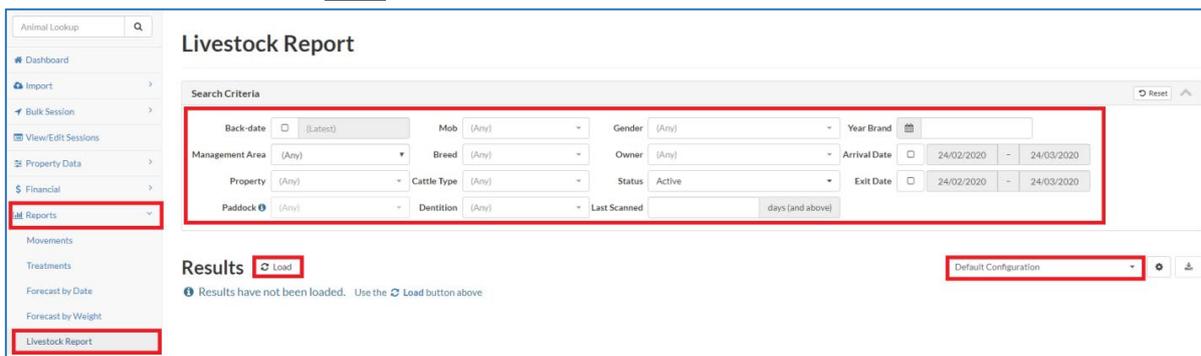


2. The Forecast by Weight report can be configured using a similar process to the Movements report. (See section 4.4.1.1 for steps, if required.)

#### 4.4.1.5. Livestock Report

The Livestock report defaults to displaying active stock (i.e. not Exited or Dead) and allows the user to select Dead, Missing or Exited animals if needed. Users can drill down on records and the report can be highly customised to display a summary or as detailed view as desired.

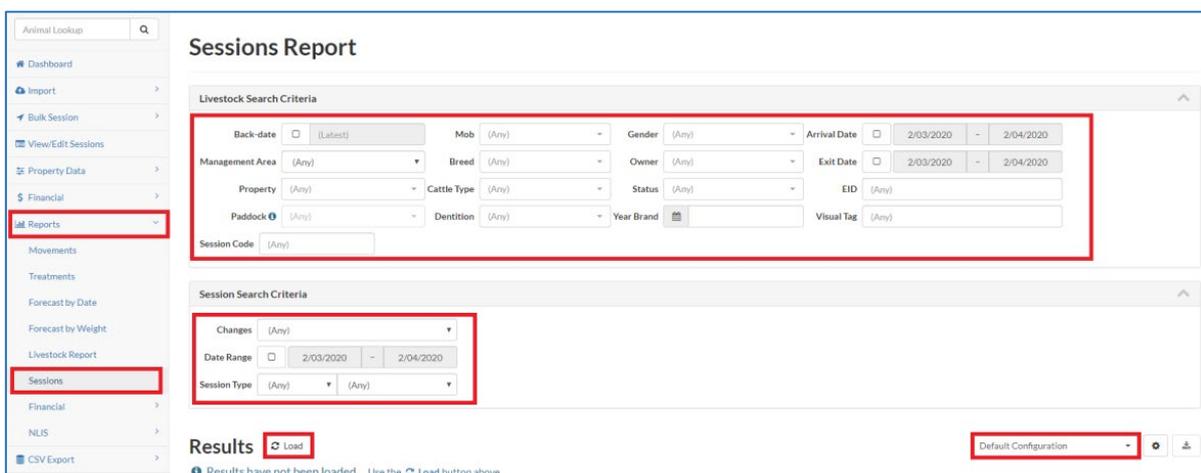
1. Select **Reports**, **Livestock Report**. Select the desired 'Report Configuration' from the dropdown, specify 'Search Criteria' if desired, **Load**.



2. The Stock on Hand report can be configured using a similar process to the Movements report. (See section 4.4.1.1 for steps, if required.)

#### 4.4.1.6. Sessions Report

The Sessions report allows you to view all sessions for the selected animals. Animals to be included in the report are selected in the Livestock Search Criteria and then the sessions for those animals can be filtered by the selections in the Session Search Criteria. The report can be customised to view all Session information required and if a Session Code is included in the Report Configuration then clicking on the line will take you to the Session.



3. The Sessions report can be configured using a similar process to the Movements report. (See section 4.4.1.1 for steps, if required.)

4.4.1.7. *NLIS Reports*

The NLIS Reports allow you to notify the NLIS database of Arrivals, Deaths, or EID Replacements.

- **Note:** NLIS Reporting relies on the NLIS set up being completed. (See section 3.11 for NLIS set up steps, if required.)

1. Select **Reports**, **NLIS Reports**, **Arrivals**.

2. To notify the NLIS Database of all outstanding StockMate Arrivals, select **All** under 'Notify Database'.

Other Options:

**'Unreported Arrivals' options include:**

- **Apply Filter:** To Filter Unreported Arrivals, select Filter Results icon, type desired Session Sub Type, **Load**.

- **Export to CSV:** Select Export to CSV icon, and follow the prompts to download your CSV.

**'Actions' include:**

- **Notify Database > All:** This allows you to upload all records from 'Unreported Arrivals'.

- **Notify Database > Selected:** This allows you to upload individually selected records from 'Unreported Arrivals'.



- **Notify Database > Filtered:** This allows you to upload Filtered records from 'Unreported Arrivals'.



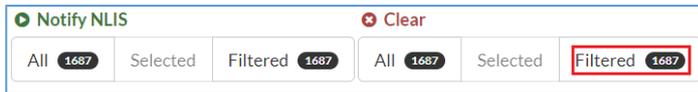
- **Clear > All:** This allows you to clear all records from 'Unreported Arrivals'.



- **Clear > Selected:** This allows you to clear individually selected records from 'Unreported Arrivals'.



- **Clear > Filtered:** This allows you to clear filtered records from 'Unreported Arrivals' (E.g. this may be useful for clearing Saleyard Purchases, if you don't wish to notify the NLIS Database).



Repeat steps 1-2 above for Deaths and EID Replacements.

### 4.4.2. CSV Export

The Tenant Setting – Export to StockalD option determines what will be exported to StockalD.

**Export to StockalD**

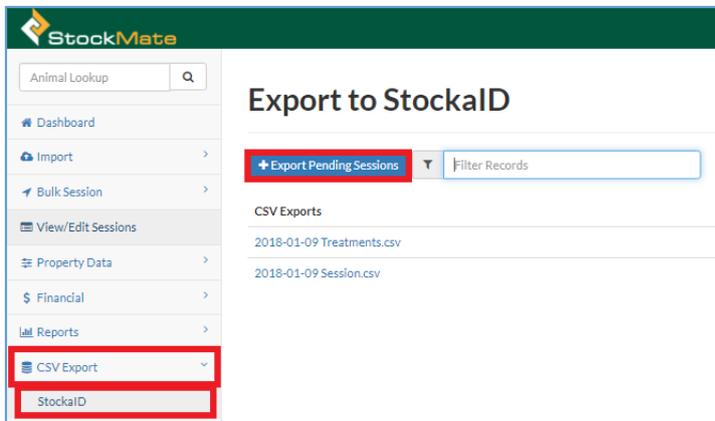
Only export exit sessions to StockalD

Only export reconciled sessions to StockalD

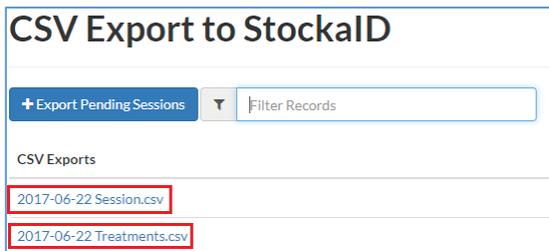
#### 4.4.2.1. Export All Sessions To StockalD

The CSV Export To StockalD with the ‘Only export exit sessions to StockalD’ Tenant Setting option unticked allows the user to generate a CSV file containing Arrivals (Inductions), Handling (Drafts), Exits, and Deads, and Treatments for all sessions, for import to StockalD. If the ‘Only export reconciled sessions to StockalD’ option is ticked then only reconciled sessions are included.

1. Select **CSV Export**, **StockalD**, **Export Pending Sessions**.



2. One CSV file containing Arrivals (Inductions), Handling (Drafts), Exits, and Deads, and another containing Treatments, will be generated. Download and save it to your PC. (Please see StockalD instructions for import to StockalD, if required.)



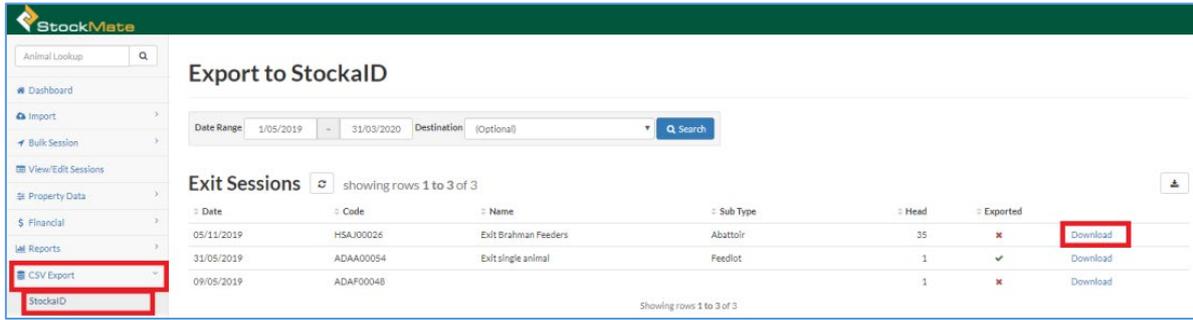
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U		
1	SessionId	SessionNo	SessionTy	DateLogged	AnimalId	VisualId	Nlslid	San	BreederTz	OriginPic	OriginNvc	HGPStatu	CattleClas	Breed	Dentition	Sex	OwnerCor	LotNo	Weight	BCS	DateConci	P
2	855	Test Hand	Handling	23/03/17 1:37	982 12345i	1100				NA445678	12345678	0	Domestic	Angus		Cow	A1 Pastor:	Angus Bre	510			S
3	855	Test Hand	Handling	23/03/17 1:38	982 12345i	1101				NA445678	12345678	0	Domestic	Angus		Cow	A1 Pastor:	Angus Bre	515			S
4	855	Test Hand	Handling	23/03/17 1:40	982 12345i	1102				NA445678	12345678	0	Domestic	Angus		Cow	A1 Pastor:	Angus Bre	520			S
5	833	March Sto	Arrival	22/03/17 2:00	982 12345i	1217				NA445678	12345678	0	Domestic	Angus		Cow	A1 Pastor:	Angus Bre	354			S
6	833	March Sto	Arrival	22/03/17 2:00	982 12345i	446				NA445678	12345678	0	Domestic	Angus		Cow	A1 Pastor:	Angus Bre	502			S
7	833	March Sto	Arrival	22/03/17 2:00	982 12345i	778				NA445678	12345678	0	Domestic	Angus		Cow	A1 Pastor:	Angus Bre	308			S

A	B	C	D	E	F	
1	SessionId	AnimalID	Item	TreatmentDate	Units	BatchNo
2	855	982 12345i	5 in 1	15/06/17 9:49	4	123ABC
3	855	982 12345i	5 in 1	15/06/17 9:49	4	123ABC
4	855	982 12345i	5 in 1	15/06/17 9:49	4	123ABC
5	855	982 12345i	5 in 1	15/06/17 9:49	4	123ABC

#### 1.1.1.2 Export Exit Sessions To StockalD

The CSV Export To StockalD with the ‘Only export exit sessions to StockalD’ option ticked allows the user to generate a CSV file containing only Exit session information, for import to StockalD. If the ‘Only export reconciled sessions to StockalD’ option is ticked then only reconciled sessions are included.

1. Select **CSV Export**, **StockalD**, **Download**.



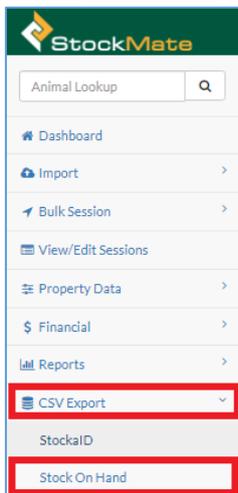
2. One CSV file containing Exit information for the session selected will be generated. Download and save it to your PC. (Please see StockalD instructions for import to StockalD, if required.)

1	SessionId	SessionName	SessionTy	DateLogged	AnimalId	VisualId	ChangeVt	NLISid	San	BreederTo	OriginPic	OriginNvc	HGPStatus	CattleClas	Breed	Dentition	Sex	OwnerCorL
2	20472	Exit Brahman Feeders	Exit	26/03/2019 12:46	421 11111111111111	STY00011					QQQ00000		0					
3																		

#### 4.4.2.2. Stock on Hand

The CSV Export Stock On Hand allows the user to generate a detailed Stock on Hand CSV file.

1. Select **CSV Export**, **Stock on Hand**.



2. A CSV will become available for download. Download and save it to your PC, if desired.

2017-03-25\_SOH (5).csv

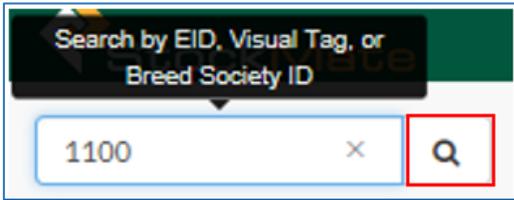
1	EID	VisTag	VisTagColour	Cattle Class	Breed	Dentition	Gender	WHP	ESI	Origin PIC	Origin NVD	SAN	NLISID	HGP	DateWeighed	Weight	Overall ADG	Interim ADG
2	951 123456781001	1101		Domestic	Angus		Cow			NA445678	12345678			FALSE	31/01/17 16:00	512		
3	982 123456781002	1102		Domestic	Angus		Cow			NA445678	12345678			FALSE	31/01/17 16:00	518		
4	982 123456781003	1103		Domestic	Angus		Heifer			NA445678	12345678			FALSE	31/01/17 16:00	416		
5	982 123456781004	1104		Domestic	Angus		Steer			NA445678	12345678			FALSE	31/01/17 16:00	430		

1	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	Current weight (Overall ADG)	Current weight (Interim ADG)	BCS	Date BCS	In Calf	Months Pregnant	DateExamined	Owner	Mob/Lot	Date Arrival	Date Last Moved	Property	Paddock
2					FALSE				Angus Breeders	31/01/17 16:00	31/01/17 16:00	Sunny Downs	Triangle Paddock
3					FALSE				Angus Breeders	31/01/17 16:00	31/01/17 16:00	Sunny Downs	Triangle Paddock
4					FALSE				Sunny Drop A Heifers	31/01/17 16:00	31/01/17 16:00	Sunny Downs	Triangle Paddock
5					FALSE				Sunny Drop A Steers	31/01/17 16:00	31/01/17 16:00	Sunny Downs	Triangle Paddock

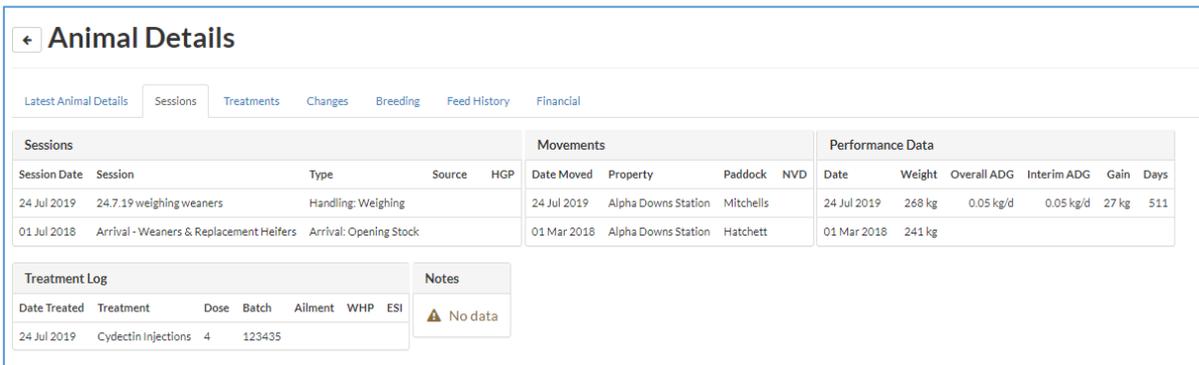
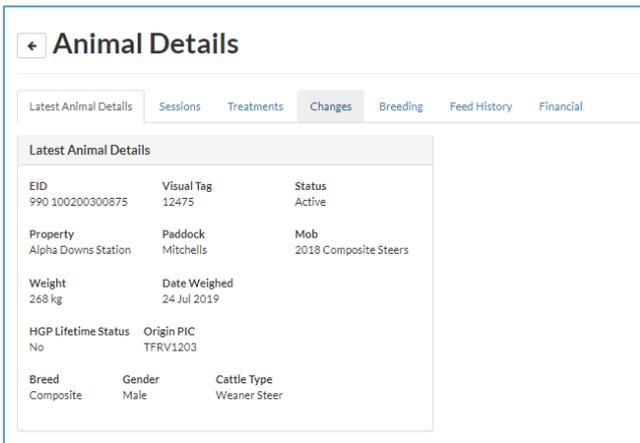
## 4.5. Animal Lookup

The Animal Lookup function allows you to search any animal by EID, Visual Tag or Breed Society ID.

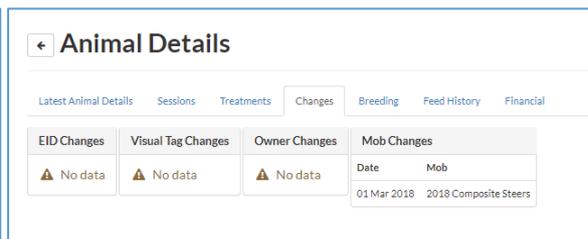
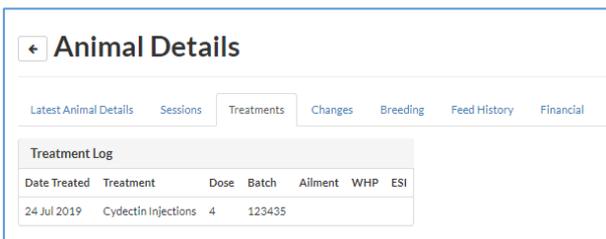
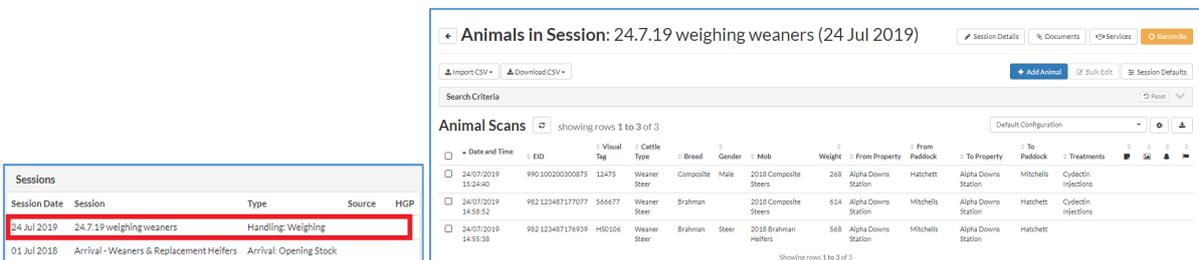
1. Enter EID, Visual Tag or Breed Society ID into the Animal Look up field, select 'Search' icon.



2. The Animal Details will be displayed.



- **Note:** Select a Session record to view all Animals in Session.



← **Animal Details**

Latest Animal Details Sessions Treatments Changes **Breeding** Feed History Financial

Pregnancy History	Breeding Traits	Parentage	DNA Documents +
⚠ No data	⚠ No data	⚠ No data	⚠ No documents

← **Animal Details**

Latest Animal Details Sessions Treatments Changes Breeding **Feed History** Financial

Feed History
⚠ No data

← **Animal Details**

Latest Animal Details Sessions Treatments Changes Breeding Feed History **Financial**

Financial										
Type	Ledger	Session	Date	Session Weight	Animal Amount	Freight Expense	Commission Expense	Other Expense	Other Income	Total
Purchase	APG0003 Alpha Downs Weaners	ADAA00007 Arrival - Weaners & Replacement Heifers	01 Jul 2018	241 kg	\$674.80	\$8.00	\$0.00	\$0.00	\$0.00	\$682.80

## 5. Daily and Periodic Procedures (Tablet)

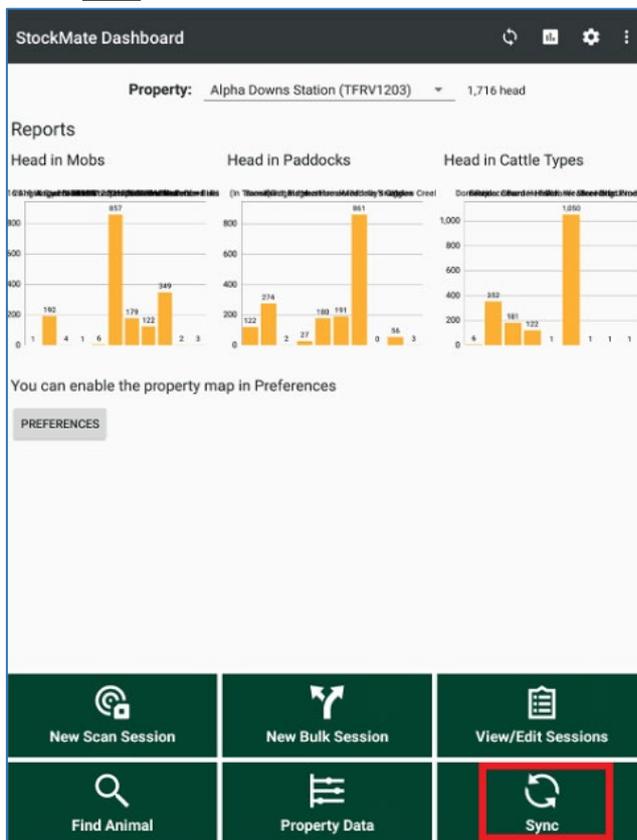
Section 5 outlines common StockMate tablet procedures, such as performing Scan Sessions, entering Bulk Sessions, Viewing/Editing Sessions, updating Property Data, and Reporting and Exporting.

1. Sign in to the StockMate tablet. (See section 2.2 for sign in details, if required.)
2. Ensure the Android Setup is completed, and the Tablet Date/Time is correct (see section 1.3 for setup details, if required).

### 5.1. Sync

The Sync function is required to synchronise data between the tablet and website. It is recommended Sync is run both before and after entering data on the tablet.

- **Note:** It is advised data is synchronised regularly. If tablet data has not been synchronised to the web, and the tablet is destroyed, the data cannot be recovered.
3. Ensure the tablet is Wi-Fi connected.
  4. Select **Sync**. (Depending on the amount of data to be synchronised, this could take seconds or hours.)



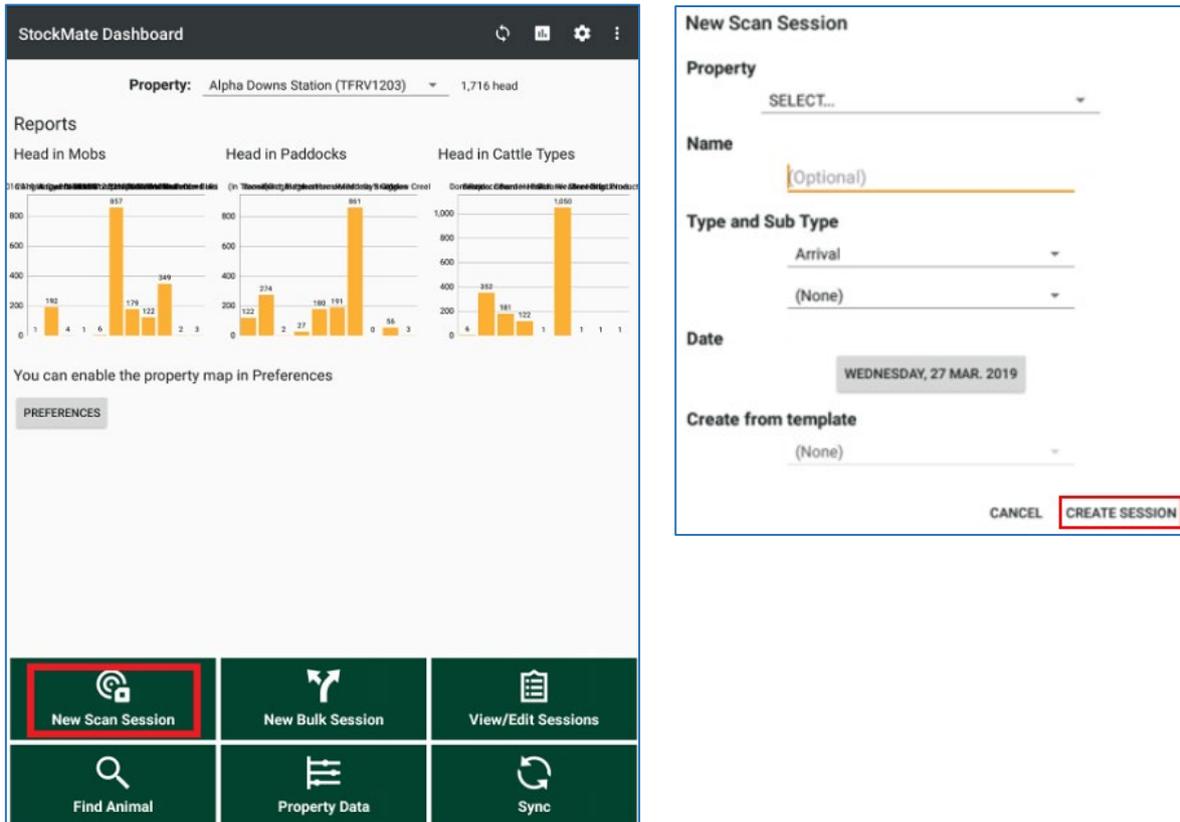
- **Note:** If you receive any Sync warnings, please contact Elynx before proceeding.

### 5.2. New Scan Session: Arrival, Handling, and Exit

- **Note:** This section outlines the steps required to Arrive, Handle (Move/Draft), and Exit animals using the tablet. Animal movements can instead be entered on the website. To do this, see section 4.1 instead.

Scan Sessions are used when scanning individual animals for Arrival, Handling, and Exit.

1. Select **New Scan Session**, select the required Property, Enter Session Name (if desired), select Session Type, Sub Type, and Template (if desired), **CREATE SESSION**.

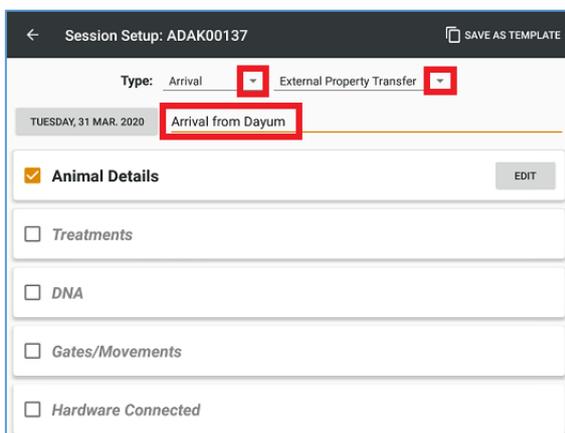


### 5.2.1. Session Setup

- **Note:** Session Templates can also be set up on the web (see section 3.8 for steps, if desired). If a Template was selected above, proceed to section 5.2.2 to start scanning animals.

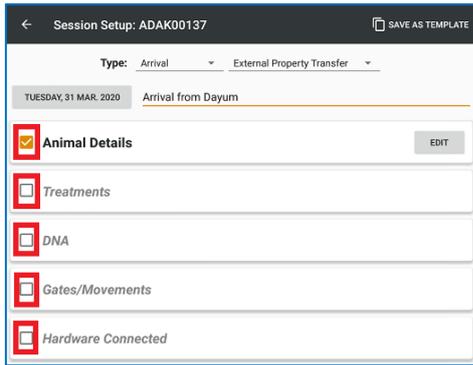
The Session Setup allows users to pre-define which fields will be included, retained, calculated, and incremented, in the session about to be conducted. This allows users to capture animal data quickly and efficiently while maximising the quality and quantity of data being captured.

1. In the Session Setup screen, select Type (Arrival, Handling, or Exit), and Subtype. Session Description can be modified if desired.



2. Select the parameters to include in the session by tapping Animal Details, Treatments, Gates/Movements, Draft Rules, and/or Hardware Connected. If selected, specified sub-fields will be visible when scanning animals.

- **Note:** Tap arrows to expand or contract form detail.

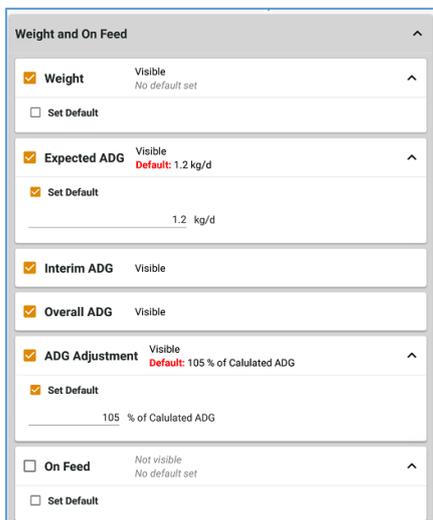


- Animal Details:** Select Edit to modify the animal-related fields to include in the session.



Tick or untick individual fields by tapping them. Specify Defaults and Preset Lists as required.

- **Defaults:** If a Default is selected, for each animal in the session, that field will initially be populated with the default to save time, but it can be modified. E.g. If 'Angus' is the default Breed, Angus will be the selected Breed each time an animal is added to the session. The animal's Breed can manually be changed to another Breed within the session.
- **Preset Lists:** If a Preset List is selected, for each animal in the session, only those values will be available for selection against the pertinent field, for simplification. If no preset list is defined, all values will be available against the pertinent field. E.g. If 'Angus' and 'Angus X' are Breed Preset Lists, these two Breeds will be the only two Breed options within the session (regardless of whether a Default is selected).
- **Weight Fields:**



- Lot/Mob and Ownership:

**Lot/Mob and Ownership** ^

**Lot/Mob** Visible  
**Default:** Sunny Drop A Heifers ^

**Set Default** Preset List

Sunny Drop A Heifers ▾ Sunny Drop A Heifers, Sunny Drop A... ▾

**Owner** Visible  
**Default:** Mark McDonald ^

**Set Default** Preset List

Mark McDonald ▾ Mark McDonald ▾

- Attributes:

**Attributes** ^

**Gender** Visible  
**Default:** Heifer ^

**Set Default** Preset List

Heifer ▾ Heifer, Steer ▾

**Breed** Visible  
**Default:** Angus ^

**Set Default** Preset List

Angus ▾ Angus, Angus X ▾

**Dentition** Visible  
**Default:** 0 ^

**Set Default** Preset List

0 ▾ 0, 2 ▾

**Cattle Type** Visible  
**Default:** Domestic ^

**Set Default** Preset List

Domestic ▾ Domestic, Export ▾

**BCS** Visible  
**Default:** 2 ^

**Set Default**

**DOB** Visible  
**Default:** 1/01/2019 ▾

**Year Brand** Visible  
**Default:** 2019 ^

**Default (if blank)**

- Withholds and HGP:

**Withholds and HGP** ^

**WHP** Visible

**ESI** Visible

**HGP** Visible  
*No default set* ^

**Default to HGP**

- Pregnancy:

**Pregnancy** ^

**Pregnancy** Visible  
Default: Tested: In Calf 1 month ^

**Pregnancy Units**

Months v

Set Default

Preg Tested

EMPTY IN CALF 1 months

**Joining** Visible  
Default: Joined: I - AI on observed standing heat ^

Set Default

Joined

Joining Type: I - AI on observed standing heat v

**Lactating** Visible  
Default: Dry ^

Set Default

WET DRY

- Parentage

**Parentage** ^

**Parentage** Visible  
Default: HA3014 (Sire) ^

Set Default ADD

Type	Animal
Sire	HA3014 913 123123124022

- Calf Registration (see section 6.1 for more detail)

<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p><input type="checkbox"/> <b>Birth Weight</b> <span style="float: right;">Not visible No default set</span> <span style="float: right;">^</span></p> <p><input type="checkbox"/> Set Default (if blank)</p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p><input type="checkbox"/> <b>Cow Weight (mother)</b> <span style="float: right;">Not visible No default set</span> <span style="float: right;">^</span></p> <p><input type="checkbox"/> Set Default (if blank)</p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p><input type="checkbox"/> <b>Herd Prefix</b> <span style="float: right;">Not visible No default set</span> <span style="float: right;">^</span></p> <p><input type="checkbox"/> Set Default (if blank)</p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p><input type="checkbox"/> <b>Herd Ident</b> <span style="float: right;">Not visible No default set</span> <span style="float: right;">^</span></p> <p><input type="checkbox"/> Set Default (if blank)</p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p><input type="checkbox"/> <b>Conception Type</b> <span style="float: right;">Not visible No default set</span> <span style="float: right;">^</span></p> <p><input type="checkbox"/> Set Default (if blank)</p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p><input type="checkbox"/> <b>Conception Date</b> <span style="float: right;">Not visible No default set</span> <span style="float: right;">^</span></p> <p><input type="checkbox"/> Set Default (if blank)</p> </div> <div style="border: 1px solid #ccc; padding: 5px;"> <p><input type="checkbox"/> <b>Year Letter</b> <span style="float: right;">Not visible No default set</span> <span style="float: right;">^</span></p> <p><input type="checkbox"/> Set Default (if blank)</p> </div>	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p><input type="checkbox"/> <b>Calf Tattoo</b> <span style="float: right;">Not visible No default set</span> <span style="float: right;">^</span></p> <p><input type="checkbox"/> Set Default (if blank)</p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p><input type="checkbox"/> <b>Name</b> <span style="float: right;">Not visible No default set</span> <span style="float: right;">^</span></p> <p><input type="checkbox"/> Set Default (if blank)</p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p><input type="checkbox"/> <b>Twin</b> <span style="float: right;">Not visible No default set</span> <span style="float: right;">^</span></p> <p><input type="checkbox"/> Set Default (if blank)</p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p><input type="checkbox"/> <b>Calf Fate</b> <span style="float: right;">Not visible No default set</span> <span style="float: right;">^</span></p> <p><input type="checkbox"/> Set Default (if blank)</p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p><input type="checkbox"/> <b>Management Group</b> <span style="float: right;">Not visible No default set</span> <span style="float: right;">^</span></p> <p><input type="checkbox"/> Set Default (if blank)</p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p><input type="checkbox"/> <b>Calving Ease</b> <span style="float: right;">Not visible No default set</span> <span style="float: right;">^</span></p> <p><input type="checkbox"/> Set Default (if blank)</p> </div> <div style="border: 1px solid #ccc; padding: 5px;"> <p><input type="checkbox"/> <b>Registration Type</b> <span style="float: right;">Not visible No default set</span> <span style="float: right;">^</span></p> <p><input type="checkbox"/> Set Default (if blank)</p> </div>
---	---

<input type="checkbox"/> <b>ET Reference</b>	<i>Not visible</i> <i>No default set</i>	^
<input type="checkbox"/> Set Default (if blank)		
<input type="checkbox"/> <b>ET Implant Date</b>	<i>Not visible</i> <i>No default set</i>	^
<input type="checkbox"/> Set Default (if blank)		
<input type="checkbox"/> <b>ET Recipient Ident</b>	<i>Not visible</i> <i>No default set</i>	^
<input type="checkbox"/> Set Default (if blank)		
<input type="checkbox"/> <b>ET Recipient Breed Code</b>	<i>Not visible</i> <i>No default set</i>	^
<input type="checkbox"/> Set Default (if blank)		
<input type="checkbox"/> <b>ET Recipient Year of Birth</b>	<i>Not visible</i> <i>No default set</i>	^
<input type="checkbox"/> Set Default (if blank)		
<input type="checkbox"/> <b>Colour</b>	<i>Not visible</i> <i>No default set</i>	^
<input type="checkbox"/> Set Default (if blank)		
<input type="checkbox"/> <b>Calf Breed Code</b>	<i>Not visible</i> <i>No default set</i>	^
<input type="checkbox"/> Set Default (if blank)		

- **Other Breeding Traits:** (see section 6.1 for more detail)

<b>Other Breeding Traits</b> ^		
<input type="checkbox"/> <b>200 Day Weight</b>	<i>Not visible</i> <i>No default set</i>	^
<input type="checkbox"/> Set Default (if blank)		
<input type="checkbox"/> <b>400 Day Weight</b>	<i>Not visible</i> <i>No default set</i>	^
<input type="checkbox"/> Set Default (if blank)		
<input type="checkbox"/> <b>600 Day Weight</b>	<i>Not visible</i> <i>No default set</i>	^
<input type="checkbox"/> Set Default (if blank)		
<input type="checkbox"/> <b>Horn Status</b>	<i>Not visible</i> <i>No default set</i>	^
<input type="checkbox"/> Set Default (if blank)		
<input type="checkbox"/> <b>Flight Time</b>	<i>Not visible</i> <i>No default set</i>	^
<input type="checkbox"/> Set Default (if blank)		
<input type="checkbox"/> <b>Sheath Score</b>	<i>Not visible</i> <i>No default set</i>	^
<input type="checkbox"/> Set Default (if blank)		
<input type="checkbox"/> <b>Rib Fat</b>	<i>Not visible</i> <i>No default set</i>	^
<input type="checkbox"/> Set Default (if blank)		
<input type="checkbox"/> <b>Fat Depth</b>	<i>Not visible</i> <i>No default set</i>	^
<input type="checkbox"/> Set Default (if blank)		
<input type="checkbox"/> <b>Intramuscular Fat</b>	<i>Not visible</i> <i>No default set</i>	^
<input type="checkbox"/> Set Default (if blank)		
<input type="checkbox"/> <b>Eye Muscle Area</b>	<i>Not visible</i> <i>No default set</i>	^
<input type="checkbox"/> Set Default (if blank)		
<input type="checkbox"/> <b>Temperament</b>	<i>Not visible</i> <i>No default set</i>	^
<input type="checkbox"/> Set Default (if blank)		
<input type="checkbox"/> <b>Feet Score</b>	<i>Not visible</i> <i>No default set</i>	^
<input type="checkbox"/> Set Default (if blank)		
<input type="checkbox"/> <b>Front Legs Front View</b>	<i>Not visible</i> <i>No default set</i>	^
<input type="checkbox"/> Set Default (if blank)		

<input type="checkbox"/> <b>Front Legs Side View</b> <i>Not visible No default set</i> ^ <input type="checkbox"/> Set Default (if blank)	<input type="checkbox"/> <b>Hair Coat</b> <i>Not visible No default set</i> ^ <input type="checkbox"/> Set Default (if blank)
<input type="checkbox"/> <b>Front Feet Claw Set</b> <i>Not visible No default set</i> ^ <input type="checkbox"/> Set Default (if blank)	<input type="checkbox"/> <b>Hip Height</b> <i>Not visible No default set</i> ^ <input type="checkbox"/> Set Default (if blank)
<input type="checkbox"/> <b>Front Feet Angle</b> <i>Not visible No default set</i> ^ <input type="checkbox"/> Set Default (if blank)	<input type="checkbox"/> <b>Society ID</b> <i>Not visible No default set</i> ^ <input type="checkbox"/> Set Default (if blank)
<input type="checkbox"/> <b>Back Legs Rear View</b> <i>Not visible No default set</i> ^ <input type="checkbox"/> Set Default (if blank)	<input type="checkbox"/> <b>Breed Society</b> <i>Not visible No default set</i> ^ <input type="checkbox"/> Set Default (if blank)
<input type="checkbox"/> <b>Back Legs Side View</b> <i>Not visible No default set</i> ^ <input type="checkbox"/> Set Default (if blank)	<input type="checkbox"/> <b>Ovary Score</b> <i>Not visible No default set</i> ^ <input type="checkbox"/> Set Default
<input type="checkbox"/> <b>Back Feet Claw Set</b> <i>Not visible No default set</i> ^ <input type="checkbox"/> Set Default (if blank)	<input type="checkbox"/> <b>Reproductive Tract Score</b> <i>Not visible No default set</i> ^ <input type="checkbox"/> Set Default
<input type="checkbox"/> <b>Back Feet Angle</b> <i>Not visible No default set</i> ^ <input type="checkbox"/> Set Default (if blank)	<input type="checkbox"/> <b>Scrotal Circumference</b> <i>Not visible No default set</i> ^ <input type="checkbox"/> Set Default

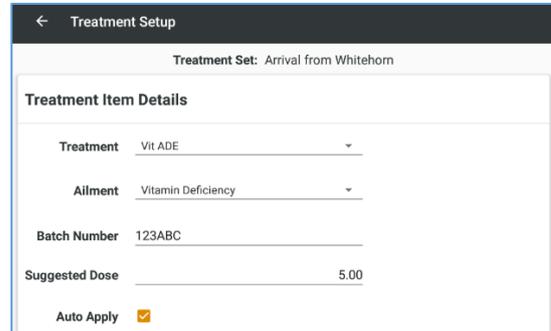
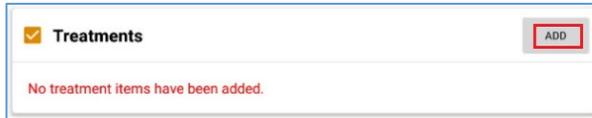
  

<input type="checkbox"/> <b>Testes Tone</b> <i>Not visible No default set</i> ^ <input type="checkbox"/> Set Default
<input type="checkbox"/> <b>Semen Density</b> <i>Not visible No default set</i> ^ <input type="checkbox"/> Set Default
<input type="checkbox"/> <b>Semen Mass Activity</b> <i>Not visible No default set</i> ^ <input type="checkbox"/> Set Default
<input type="checkbox"/> <b>Semen Sample ID</b> <i>Not visible No default set</i> ^ <input type="checkbox"/> Set Default
<input type="checkbox"/> <b>Motility</b> <i>Not visible No default set</i> ^ <input type="checkbox"/> Set Default
<input type="checkbox"/> <b>Morphology</b> <i>Not visible No default set</i> ^ <input type="checkbox"/> Set Default

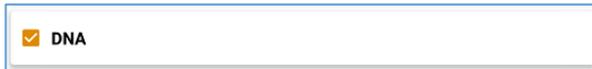
- **Arrival/Induction** (Arrival Session Type only):

<b>Arrival/Induction</b> ^	
<input checked="" type="checkbox"/> <b>Auto-increment Ear Tag</b>	Enabled Preview: BER00001 ^
Prefix: BER	
Start At: 00001	
Colour: <span style="border-bottom: 1px solid orange; width: 100px; display: inline-block;"></span>	
<input checked="" type="checkbox"/> <b>Origin PIC</b>	Visible No default set v
<input checked="" type="checkbox"/> <b>Origin</b>	Visible No default set v
<input checked="" type="checkbox"/> <b>Vendor</b>	Visible No default set v
<input checked="" type="checkbox"/> <b>Origin NVD</b>	Visible No default set v
<input checked="" type="checkbox"/> <b>SAN</b>	Visible No default set v

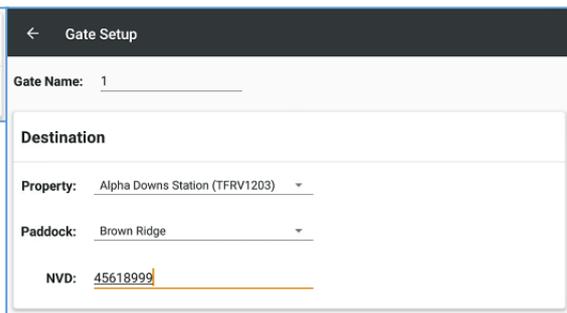
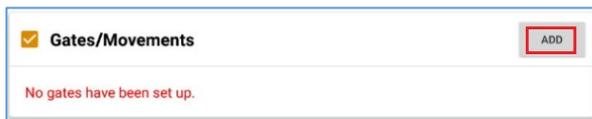
- b. **Treatments:** Select **Add** to add a Treatment Item, which will be applied to animals within the session. Enter Treatment Item Details, then tap the back button to retain. Repeat for each Treatment Item.
- **Note:** If Apply is ticked, the Item will be applied to all session animals by default (but can be deselected for specific animals within the session).  
If Apply is unticked, the Item will appear in the Scan Session, but will only be applied to selected animals if Apply is selected within the session.



- c. **DNA:** Select DNA to include the DNA section in the Scanning screen.



- d. **Gates/Movements:** Select **Add** to set up a Gate, required for moving cattle within the session, then tap the back button to retain. Repeat for each Gate.



- e. **Draft Rules:** Select **Add** to set up a Draft Rule, which will calculate the destination of animals in the session based on various preset parameters. Repeat for each Rule.
- **Note:** Always put larger weights first in the Draft Rules. If an animal meets the criteria for more than one Draft Rule (e.g. Rule 1 = >450kg, Rule 2 = >350kg, and animal is 500kg), the animal will be assigned the Gate for the first sequenced rule it qualifies for (i.e. Rule 1).
  - **Note:** There must be an 'ELSE' Rule set up.

**Draft Rules** ADD

ELSE

← Draft Rule Setup

**IF**

- Target Weight** 300 kg (and above)
- Use Current Weight ▾
- Days on Feed**
- Property/Paddock**
- Mob**
- Gender** Heifer ▾
- Breed** Angus ▾
- Cattle Type**
- Dentition** 0 ▾
- Has Follow Up**
- Is Flagged**
- Pregnancy**
- Within WHP**
- Within ESI**
- HGP Treated**

**THEN Draft To**

Gate 1 ▾

Property Alpha Downs Station

Paddock Brown Ridge

- f. **Hardware Connected:** Select Config to set up connections to Weigh Scales and RFID Reader. See section [9. Hardware Configurations](#).
- **Note:** Select Unattended Sessions options if desired (only applicable if Auto-gates are set up for the yards see section [3.1.4 Yards and Gates](#))

**Hardware Connected** CONFIG

Configured Hardware: None

- Unattended Session**  
Animal scans are processed automatically
- Capture Weight**  
Weight is captured before automatically processing each animal scan
- Pause on Follow Up**  
Processing is paused if a scan has a follow up
- Pause on Flag**  
Processing is paused if a scan is flagged with an issue

← Hardware Connections BLUETOOTH

**EID Reader Connected**

Communications Method: Via Weigh Scales ▾

---

**Weigh Scales Connected**

Communications Method: Wireless ▾ Provider: Gallagher (all models) ▾

IP Address: 10.1.1.10 Port Number: 23

---

**Automatic Gates Connected** CONFIG

Use the **Config** button to configure communications protocols for specific yards and gates.  
**NB:** Only applies when a set of automatic yards has been selected in the Gates/Movements card in Session Setup.

3. Example of a completed Session Setup:

The screenshot shows a 'Session Setup' screen with the following sections:

- Animal Details:** Includes an 'EDIT' button.
- Treatments:** Includes an 'ADD' button. Below it, text reads: 'Vit ADE Batch: 1234ABC Dose: 5.00 WHP: 0 ESI: 0'.
- DNA:** Includes a checked checkbox.
- Gates/Movements:** Includes an 'ADD' button. Below it, a dropdown menu is set to '(Optional)'. A table lists two entries:
 

1	Alpha Downs Station	Brown Ridge
2	Alpha Downs Station	Burnt Ridge
- Draft Rules:** Includes an 'ADD' button. Below it, two rules are listed:
  - 300kg (Current Weight), Gender: Heifer, Breed: Angus, Dentition: 0
  - ELSE
- Hardware Connected:** Includes a 'CONFIG' button. Below it, text reads: 'Configured Hardware: EID Reader, Weigh Scales, Auto Gates'. There is a toggle switch for 'Unattended Session' which is currently off.

At the bottom right, there is a prominent orange button labeled 'START SCANNING'.

4. To save this Template for future use, tap **SAVE AS TEMPLATE**, name it, then tap the back button to retain.

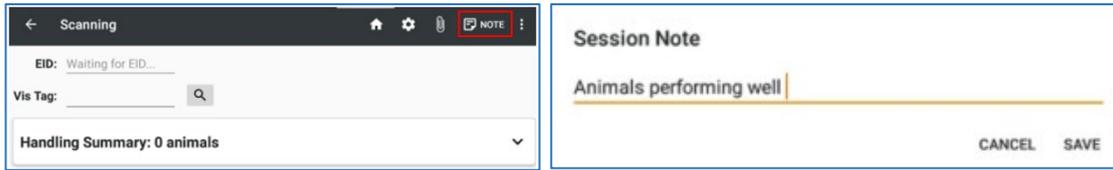
This screenshot shows the top portion of the 'Session Setup' screen. The title bar reads 'Session Setup: 34'. On the right side of the title bar, the 'SAVE AS TEMPLATE' button is highlighted with a red rectangular box. Below the title bar, there are two dropdown menus: 'Type: Arrival' and 'Induction'.

### 5.2.2. Scanning

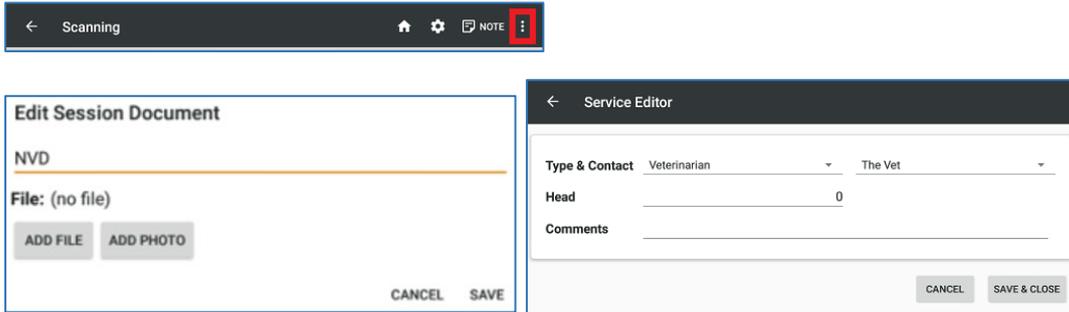
1. From the Session Setup screen, tap **START SCANNING**.

This screenshot is identical to the one in step 3, showing the 'Session Setup' screen. The 'START SCANNING' button at the bottom right is highlighted with a red rectangular box.

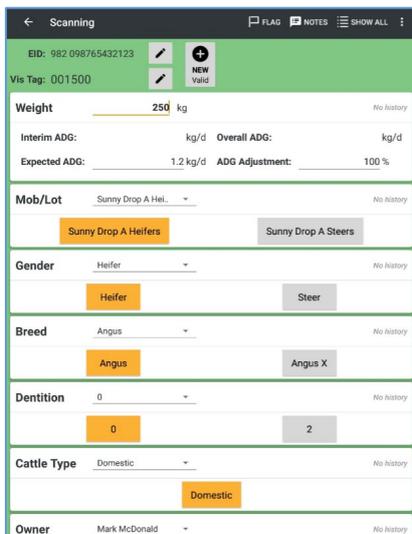
- **Note:** a Note can be added to the Session by selecting the Note icon.



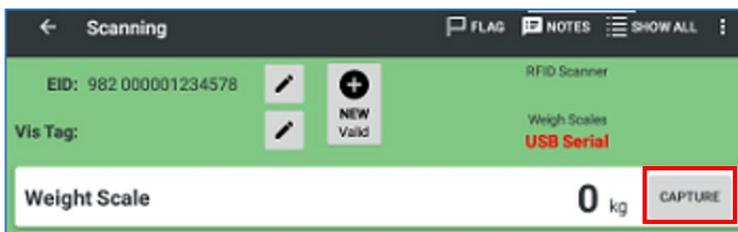
- **Note:** Documents and Services can be added to the Session by selecting the three dots in the top right hand corner, and then selecting **+**.



2. Scan or enter the animal's EID, and enter the Visual Tag (if not auto-incremented). Tap **Search** if required.
3. Select desired values for each animal, such as Mob/Lot, Breed, Treatments, Destination, etc.



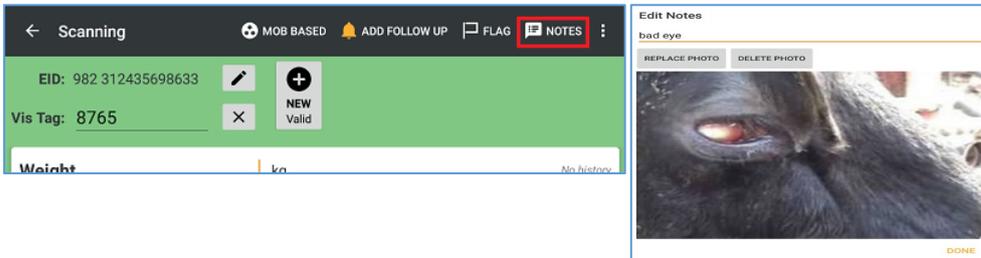
- **Note:** If connected to a Scale, capture the weight by selecting **Capture**.



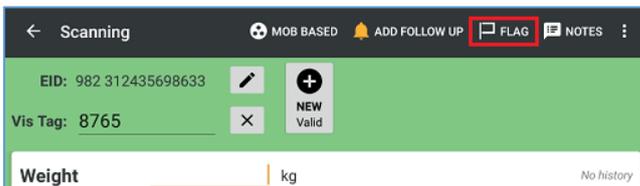
- **Note:** The Scanning screen differs depending on the Session Setup. To view and edit all available fields, regardless of Session Setup, select **SHOW ALL**. (Tap **SHOW LESS** to return).



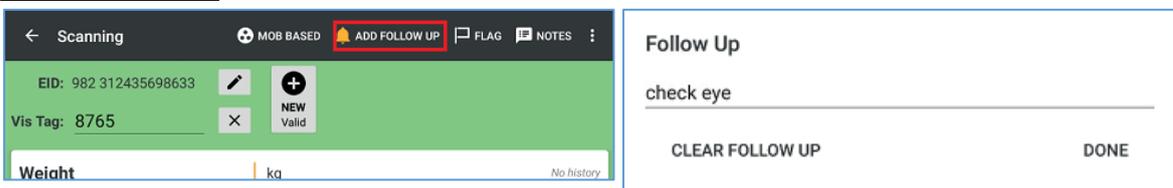
- **Note:** Tap the **NOTES** button to add notes and a photo to a particular animal. Historical Notes will be visible against the animal in future scan sessions and in Animal Details.



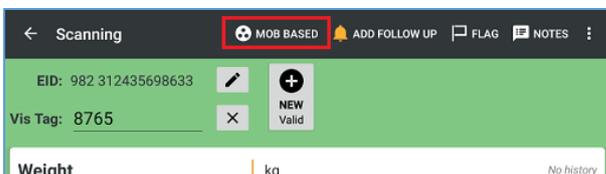
- **Note:** Tap the **FLAG** button to flag a particular animal. This will be visible in the session summary. Sessions with flagged animals cannot be Reconciled (until the Flag is removed).



- **Note:** Tap the **ADD FOLLOW UP** button to add a Follow Up note to a particular animal. Animals with follow up notes will have a distinct yellow screen background in future sessions. Users can select **VIEW FOLLOW UP**, and choose to clear it if desired.



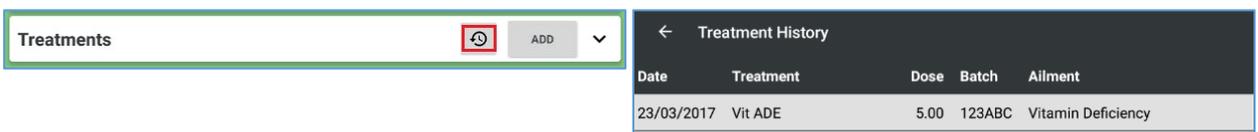
- **Note:** Tap **MOB BASED** button to view and edit mob based lines (see section 7 for more mob based detail if required).



- **Note:** Tap the Edit button to edit EID or Visual Tag, then scan or enter the replacement tag number.

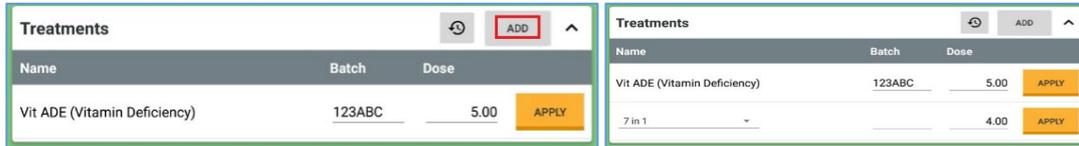


- **Note:** Tap the History button to view the History for various fields.



- **Note:** Treatments added in the Session Setup will automatically be applied to each animal ('Apply' button is orange).
- To apply a new Treatment, tap **Add** and enter the Treatment, Batch, and Dose. ('Apply' button will be orange.)

In the example below, both items are applied to the animal.



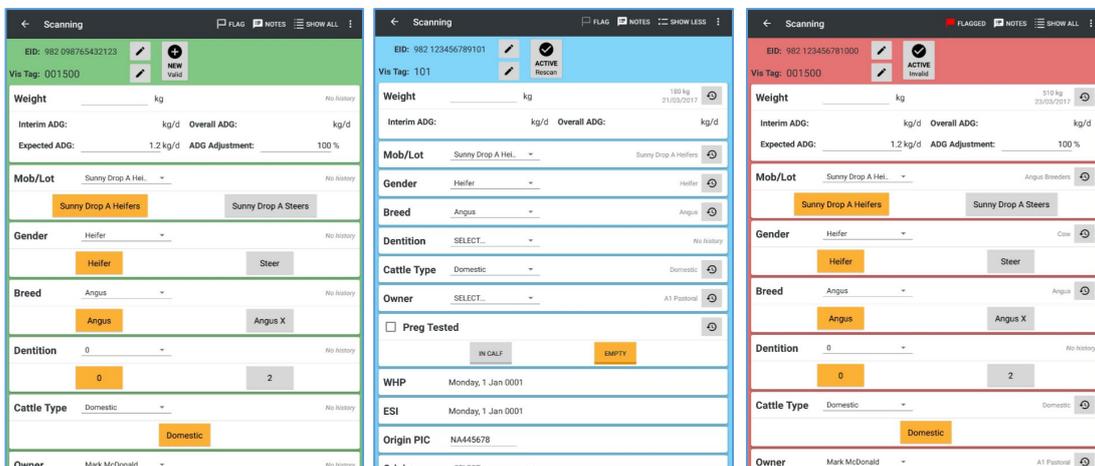
- To un-apply a Treatment to an individual animal, tap **Apply** ('Apply' button will turn grey).
- In the example below, Vit ADE is applied, and 7 in 1 is not.



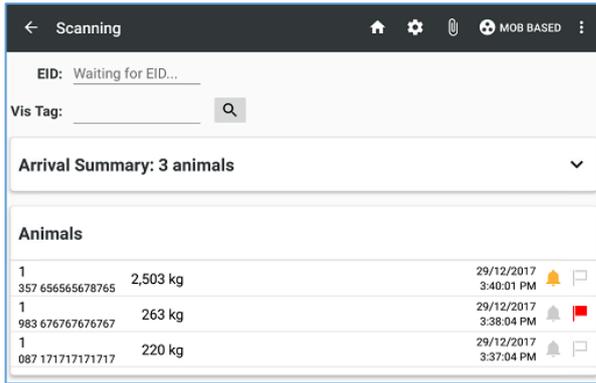
4. Tap **SAVE & CLOSE**.

5. Follow steps 1-4 for each animal to be scanned.

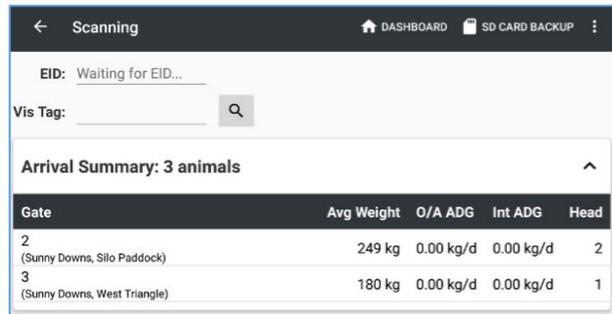
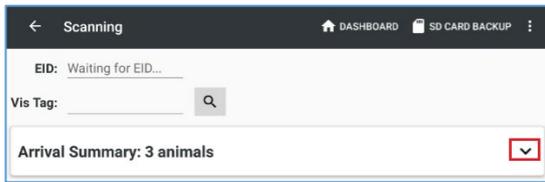
- **Note:** Screen background colour:
  - Green: new valid animal.
  - Blue: rescan of animal (i.e. viewing/editing earlier animal in session).
  - Red: invalid animal/scan, is accompanied by a warning (e.g. Dead animal being scanned into Handling session).



- **Note:** After saving each animal, a summary of all session animals becomes visible. Tap an animal to view/edit its details.



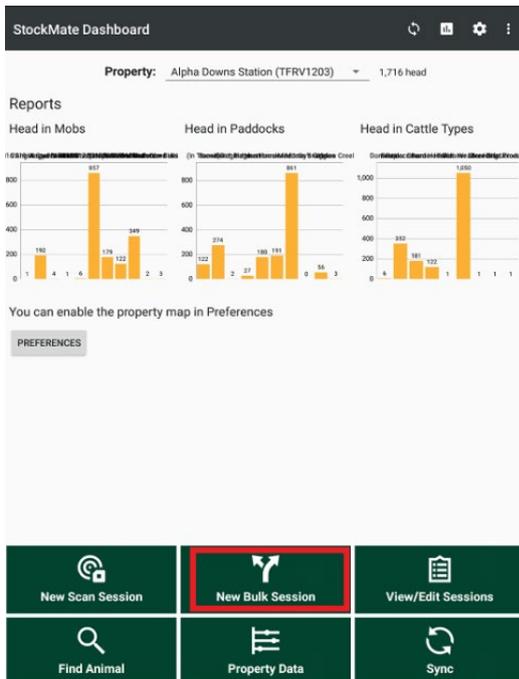
- **Note:** After saving each animal, the 'Summary' bar becomes visible. Tap it to view weight, ADG, and head summaries per Gate.



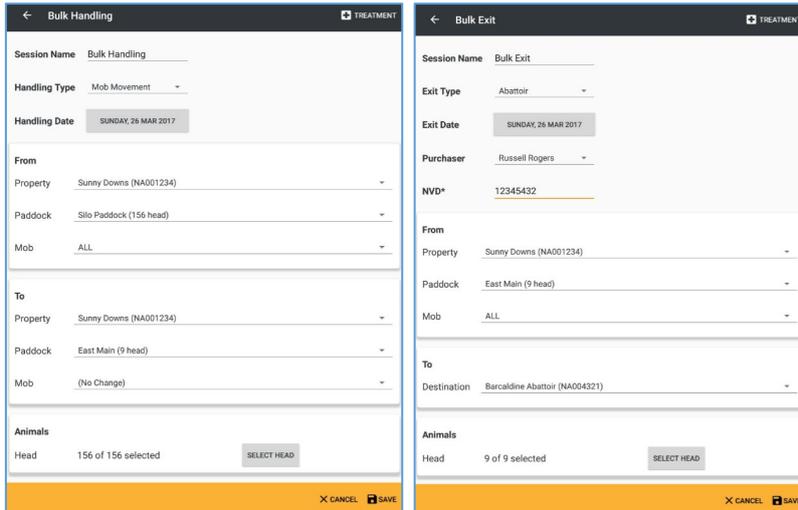
### 5.3. New Bulk Session: Handling, Exit

Bulk Sessions are used for recording Handling and Exits along with their Treatments, without scanning animals individually.

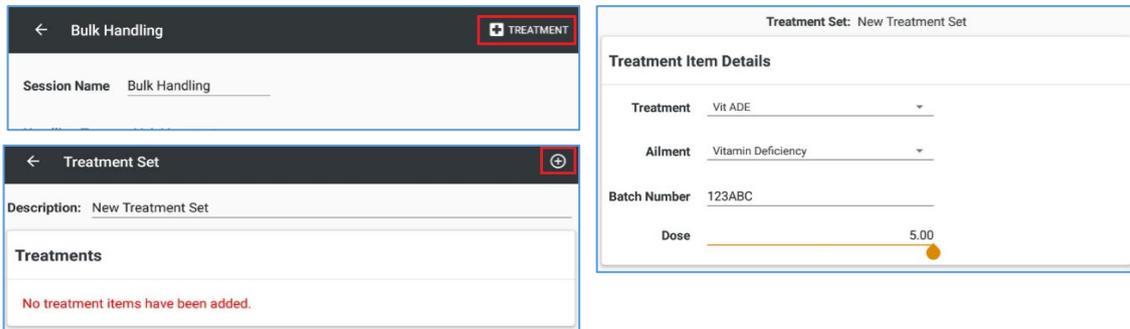
1. Select **New Bulk Session**, Enter Name if desired, select the required Session Type, **CREATE SESSION**.



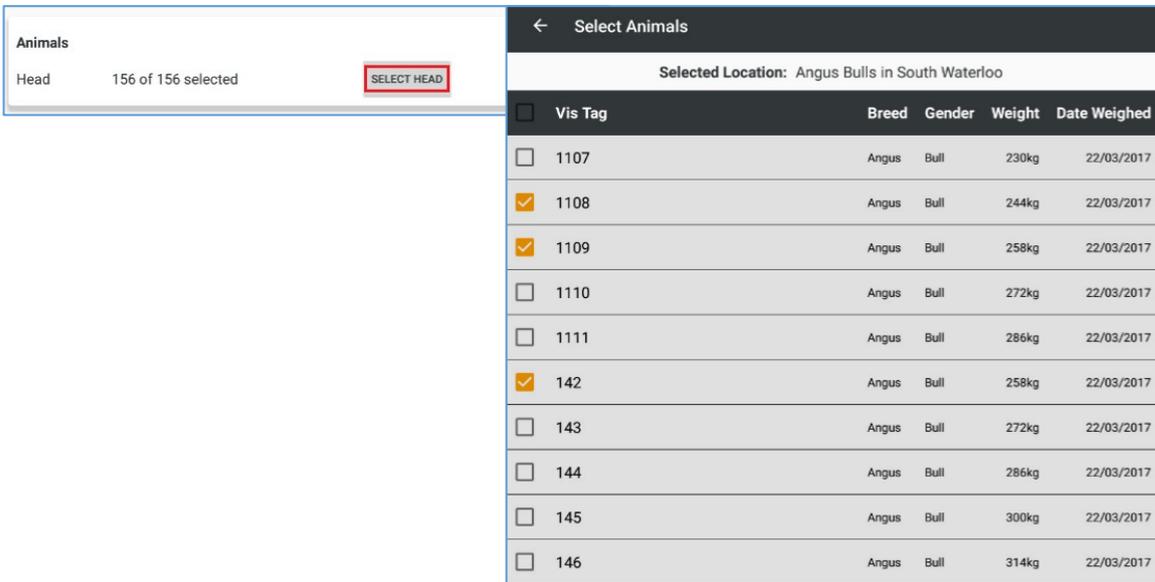
2. Enter the Bulk Handling/Exit fields.



- **Note:** Tap **TREATMENT**, **+** to add a Treatment administered to animals.



- **Note:** Tap **SELECT HEAD** to select individual animals within the specified mob.



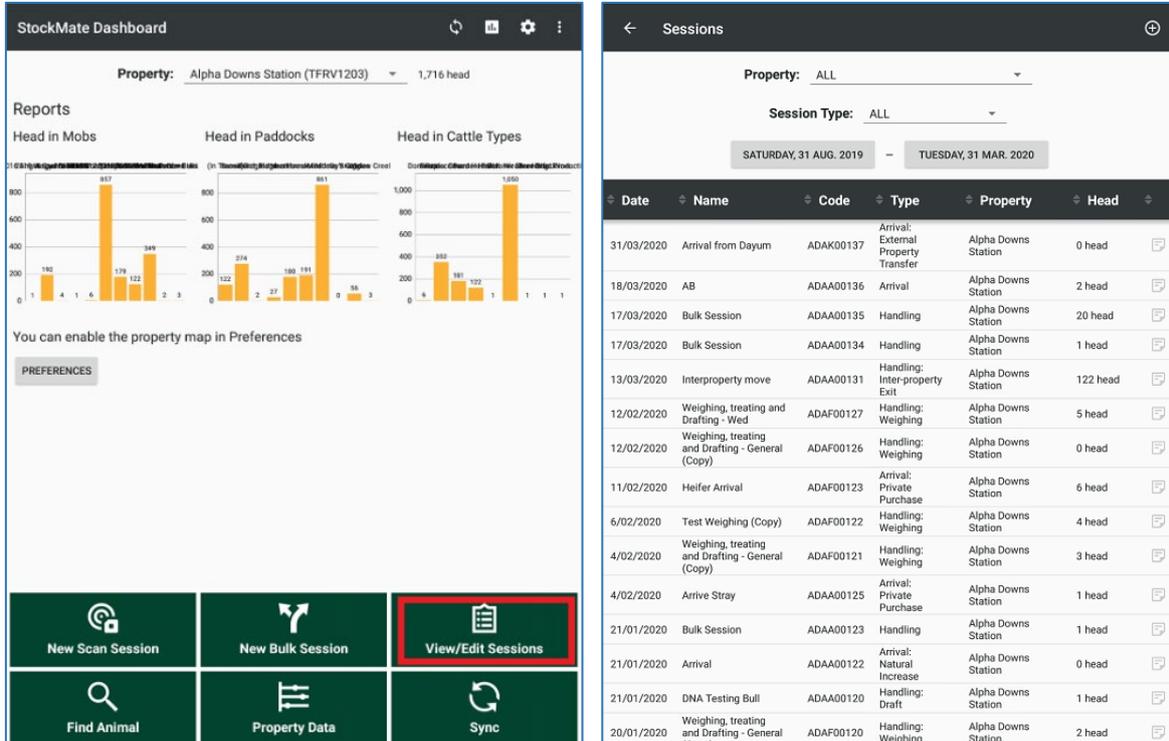
3. Select **Save**.
4. Follow steps 1-3 for each Bulk Session.

## 5.4. View/Edit Sessions

This section allows you to view and edit Imported, Scanned, or Bulk Sessions, entered via the Website or App.

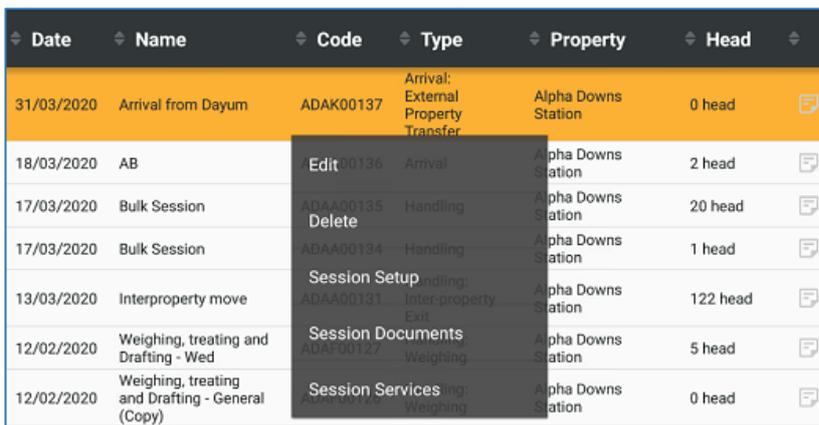
1. Select **View/Edit Sessions** to view the Session List.

If desired, filter by Selected Property, Session Type, and Date Range. Sessions that meet your criteria will be displayed.



- **Note:** A new session can be added by selecting the **+**.

2. Tap and hold a session record to see options.



- Selecting **Edit** takes you to step 3 below.
- Selecting **Delete** allows you to delete the session and all animal records in the session. Follow the prompts to proceed or cancel.
- Selecting **Session Setup** will allow you to view/edit the Session Setup.
- Selecting **Session Documents** will allow you to view/add any documents attached to the session.
- Selecting **Session Services** will allow you to view/add any Services attached to the session.

3. Tap a session (or tap and hold, then select **Edit**) to view the Session Setup. View/Edit as required. (See section 5.2.1 for Session Setup steps, if required.)

**Animal Details** EDIT

**Treatments** ADD  
 Vit ADE Batch: 1234ABC Dose: 5.00 WHP: 0 ESI: 0

**DNA**

**Gates/Movements** ADD  
 Use Yards: (Optional) ▼  
 1 Alpha Downs Station Brown Ridge  
 2 Alpha Downs Station Burnt Ridge

**Draft Rules** ADD  
 1 300kg (Current Weight), Gender: Heifer, Breed: Angus, Dentition: 0  
 2 ELSE

**Hardware Connected** CONFIG  
 Configured Hardware: EID Reader, Weigh Scales, Auto Gates  
 Unattended Session

- Select **START SCANNING** to view/add animals to the session. (See section 5.2.2 for Scanning steps, if required.)

← Scanning

[DASHBOARD](#)
[SD CARD BACKUP](#)
⋮

EID:

Vis Tag:

**Handling Summary: 3 animals** ▼

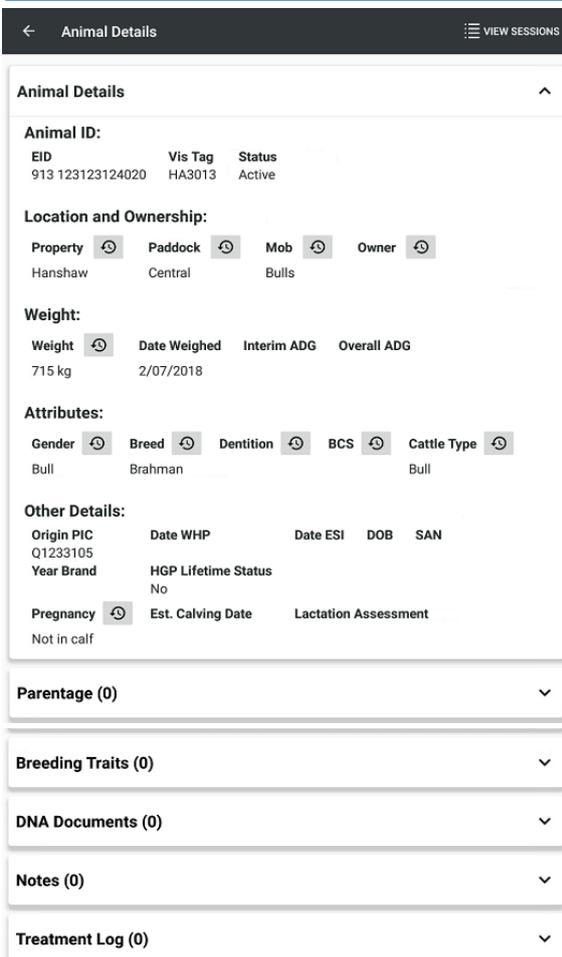
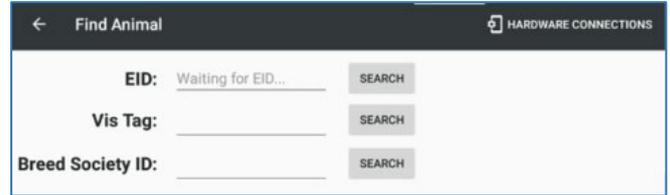
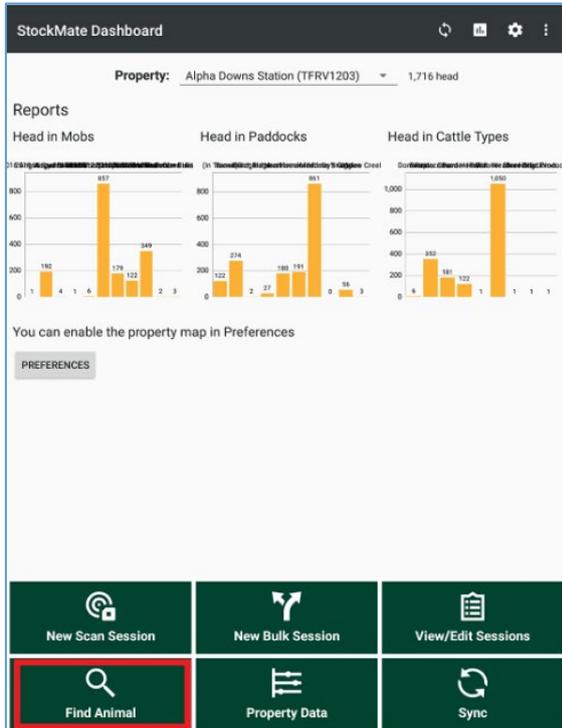
**Animals**

1102	520 kg	2	23/03/2017	□
1101	515 kg	2	23/03/2017	□
1100	510 kg	2	23/03/2017	□

## 5.5. Find Animal

The Find Animal function allows you to search any animal by EID, Visual Tag, or Breed Society ID.

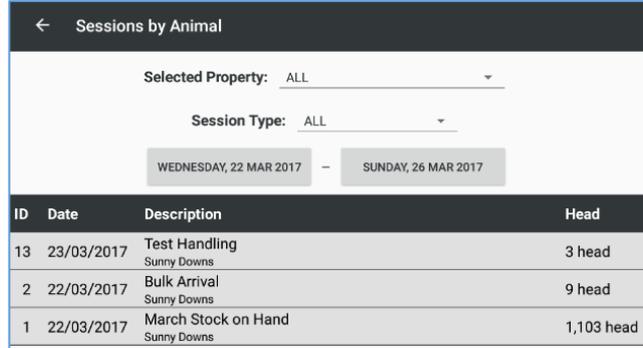
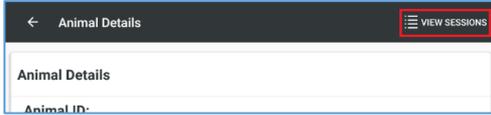
1. Select Find Animal. Scan or enter EID, enter Vis Tag or Breed Society ID, Search.



- **Note:** Tap the History button to view the History for the selected field.



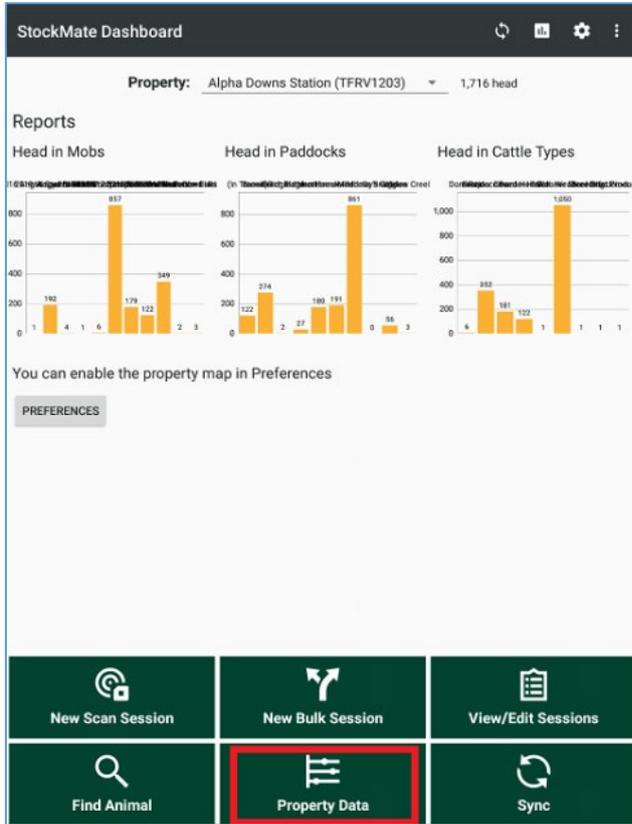
- **Note:** Tap **VIEW SESSIONS** to view sessions the animal is in. Tap to open the session.



## 5.6. Property Data

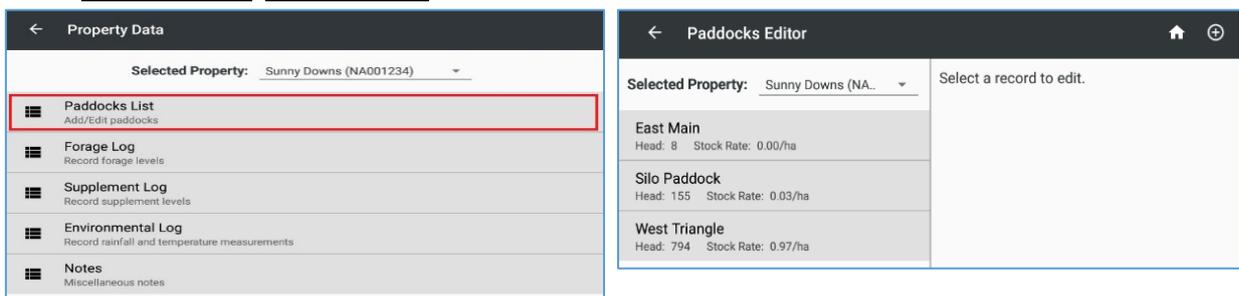
- **Note:** This section outlines the steps required to enter Property data using the tablet. Property data can instead be entered on the website. To do this, see section 4.3 instead.

1. Select **Property Data**.

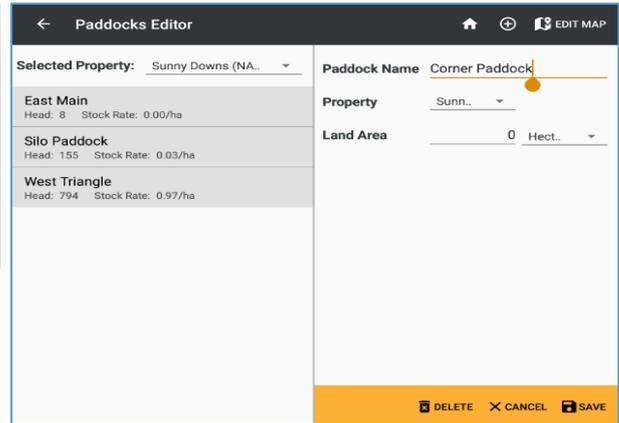
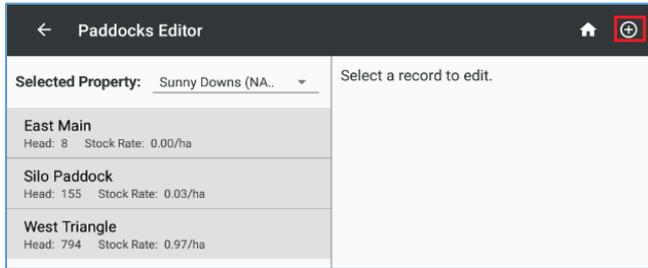


### 5.6.1. Paddocks List

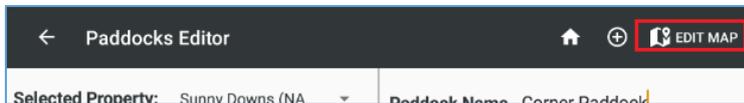
1. Select **Property Data**, **Paddocks List**, select the required Property.



2. To add a new Paddock, select **+**, enter Paddock Name, and Land area if desired. **Save**. To edit an existing Paddock, select the Paddock, edit required field(s), **Save**.



3. To map Paddocks, select Paddock, **EDIT MAP**.



To mark the boundaries of the Paddock on the map:

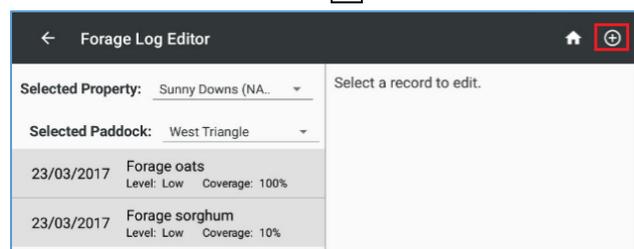
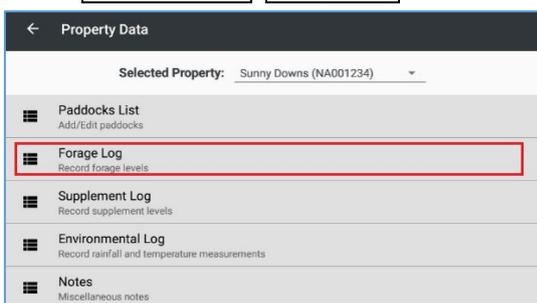
- a. Zoom in or out by moving two fingers on the screen.
- b. Tap and hold one finger to add a paddock boundary marker. Continue adding Paddock boundary markers in a clockwise or anti-clockwise direction, and the Paddock outline will increase.
- c. Continue to add new markers until the boundary location is mapped correctly.
- **Note:** The most recent marker can be deleted using the bin icon.



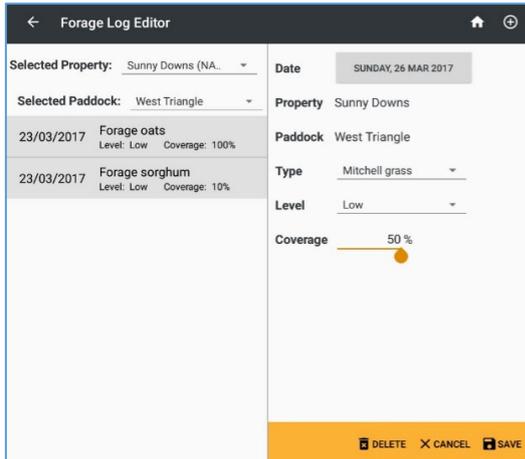
- **Note:** To move a marker, tap and hold existing marker, then move your finger to desired position.
- d. Select **Save**.

### 5.6.2. Forage Log

1. Select **Property Data**, **Forage Log**, select the required Property and Paddock, **+**.



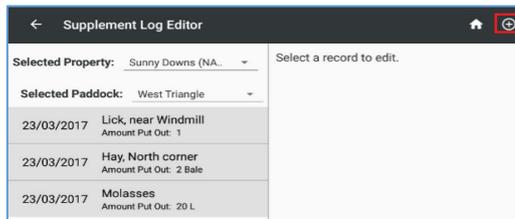
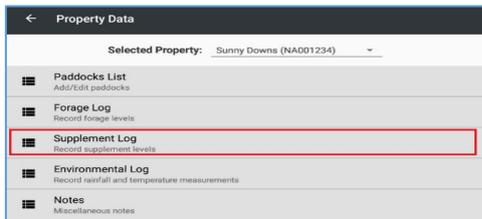
2. Enter the Forage Log fields.



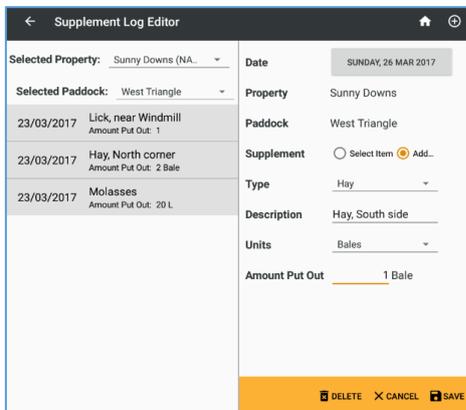
3. Select **Save**.
4. Follow steps 1– 3 for each Forage Log.

### 5.6.3. Supplement Log

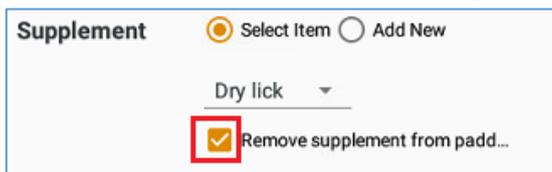
1. Select **Property Data**, **Supplement Log**, select the required Property and Paddock, **+**.



2. Enter the Supplement Log fields.



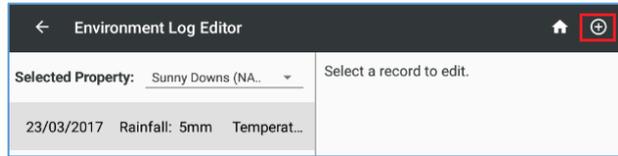
- **Note:** 'Remove Supplement' is for indicating a supplement has been removed from the Paddock.



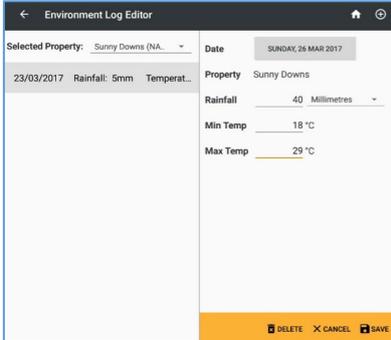
3. Select **Save**.
4. Follow steps 1– 3 for each Supplement Log.

### 5.6.4. Environmental Log

1. Select **Property Data**, **Environmental Log**, **+**.



2. Enter the Environment Log fields.

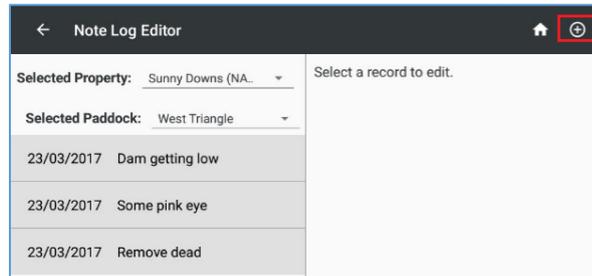
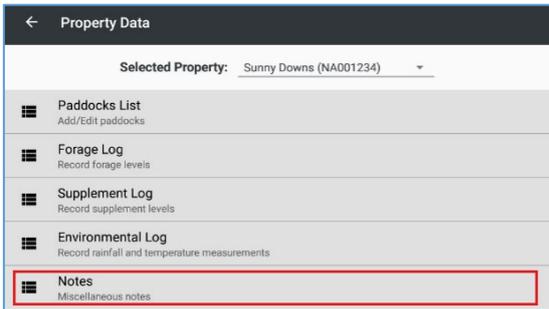


3. Select **Save**

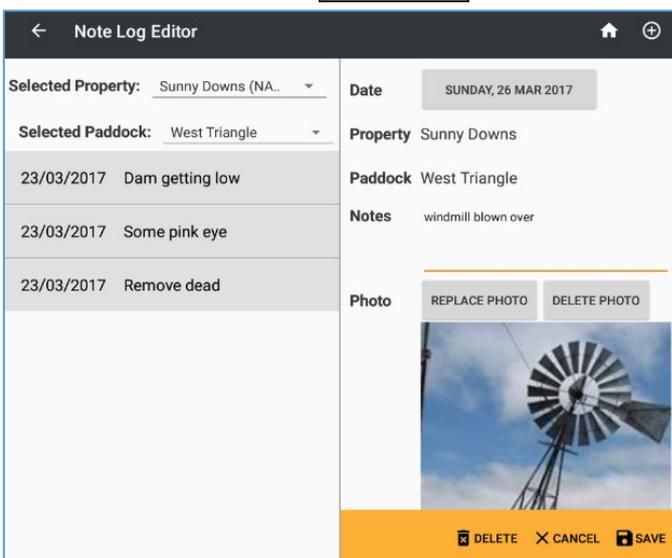
4. Follow steps 1– 3 for each Environment Log.

### 5.6.5. Notes

1. Select **Property Data**, **Notes**, select the required Property and Paddock, **+**.



2. Enter the Notes fields and **ADD PHOTO** if desired.



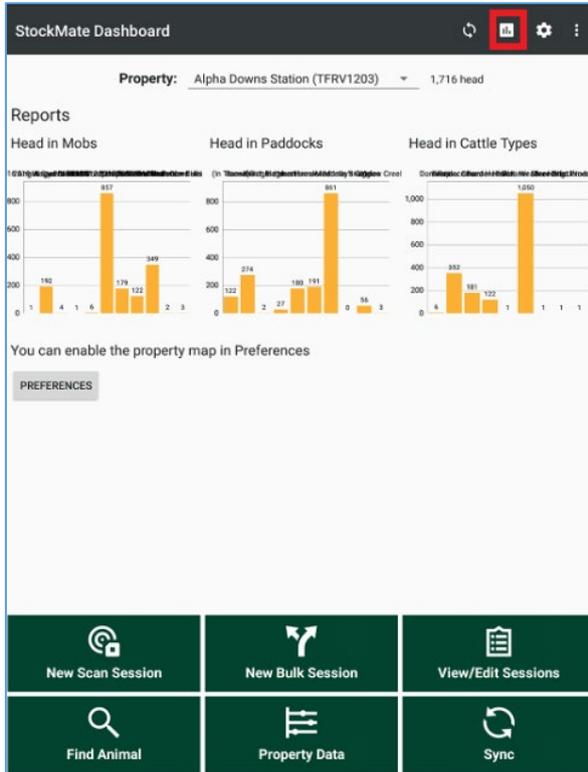
3. Select **Save**

4. Follow steps 1– 3 for each Note Log.

## 5.7. Report

- **Note:** This section outlines the steps required to Report on data using the tablet. Reporting and Exporting can instead be performed on the website. To do this, see section 4.4 instead.

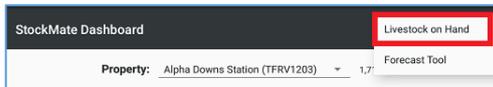
1. Select **Reports** button.



### 5.7.1. Livestock on Hand Report

The Livestock on Hand report displays a stock summary for properties and paddocks. It can be drilled down to view individual mob composition, and animal details.

1. Tap **Reports**, **Livestock on Hand**. Specify Property, if desired.



Livestock on Hand Report			
Management Area		ALL	
Property		ALL	
Property	Paddock	Head	Avg Weight (kg)
Alpha Downs Station	(In Transit)	122	399
Alpha Downs Station	Brown Ridge	274	431
Alpha Downs Station	Burnt Ridge	2	468
Alpha Downs Station	Hatchett	27	438
Alpha Downs Station	Meatbreak	180	400

2. Tap a record to view Mobs in Paddock.

Livestock on Hand Report			
Management Area		ALL	
Property		ALL	
Property	Paddock	Head	Avg Weight (kg)
Alpha Downs Station	(In Transit)	122	399
Alpha Downs Station	Brown Ridge	274	431
Alpha Downs Station	Burnt Ridge	2	468

Mobs in Paddock			
Selected Location: Brown Ridge (Alpha Downs Station)			
Mob	Head	Avg Weight (kg)	Date Weighed
2012 Brahman Bulls	1	787	4/10/2018
2014 Brahman Cows	272	431	4/10/2018
2019 Wagyu calves	1	61	21/05/2019

3. Tap a mob record to view Animals in Mob/Paddock.

← Mobs in Paddock

Selected Location: Brown Ridge (Alpha Downs Station)

Mob	Head	Avg Weight (kg)	Date Weighed
2012 Brahman Bulls	1	787	4/10/2018
2014 Brahman Cows	272	431	4/10/2018
2019 Wagyu calves	1	61	21/05/2019

← Animals in Mob/Paddock

Selected Location: 2012 Brahman Bulls in Brown Ridge

Vis Tag / EID	Breed	Gender	Weight	Date Weighed
17904	Brahman		787kg	4/10/2018
990 100200306304				

4. Tap an animal to view Animal Details.

← Animals in Mob/Paddock

Selected Location: 2012 Brahman Bulls in Brown Ridge

Vis Tag / EID	Breed	Gender	Weight	Date Weighed
17904	Brahman		787kg	4/10/2018
990 100200306304				

← Animal Details VIEW SESSIONS

Animal Details

Animal ID:

EID	Vis Tag	Status
990 100200306304	17904	Active

Location and Ownership:

Property	Paddock	Mob	Owner
Alpha Downs Station	Brown Ridge	2012 Brahman Bulls	

Weight:

Weight	Date Weighed	Interim ADG	Overall ADG
787 kg	4/10/2018	0.21 kg/d	0.21 kg/d

Attributes:

Gender	Breed	Dentition	BCS	Cattle Type
Brahman				Bull

Other Details:

Origin PIC	Date WHP	Date ESI	DOB	SAN
TFRV1203				
Year Brand	HGP Lifetime Status			
No				
Pregnancy	Est. Calving Date	Lactation Assessment		
Not in calf				

Parentage (0)

- **Note:** Tap the History button to view the History for the selected field.



- **Note:** Tap **VIEW SESSIONS** to view sessions the animal is in.

← Sessions

Property: ALL

Session Type: ALL

THURSDAY, 1 MAR. 2018 – TUESDAY, 31 MAR. 2020

Date	Name	Code	Type	Property	Head
4/10/2018	Alpha Breeders Preg Test and Draft	ADAA00009	Handling: Draft	Alpha Downs Station	1 head
1/07/2018	Alpha Opening Stock	ADAA00005	Arrival: Opening Stock	Alpha Downs Station	1 head

### 5.7.2. Forecast Tool

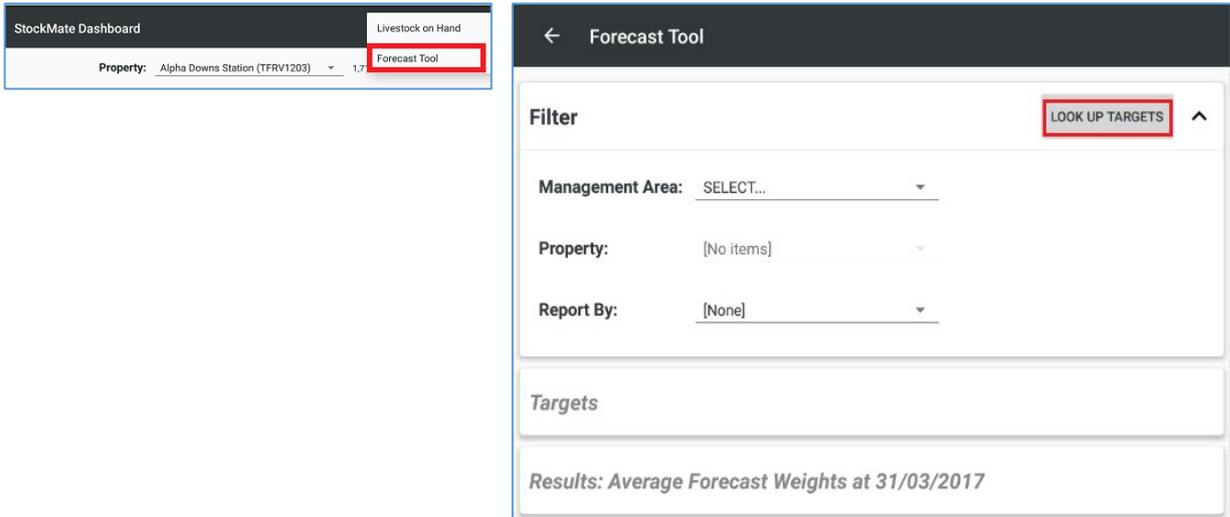
The Forecast Tool is a flexible analysis tool that allows you to forecast:

- Livestock weights by a specified Target Date, or
- Dates livestock will reach a specified Target Weight.

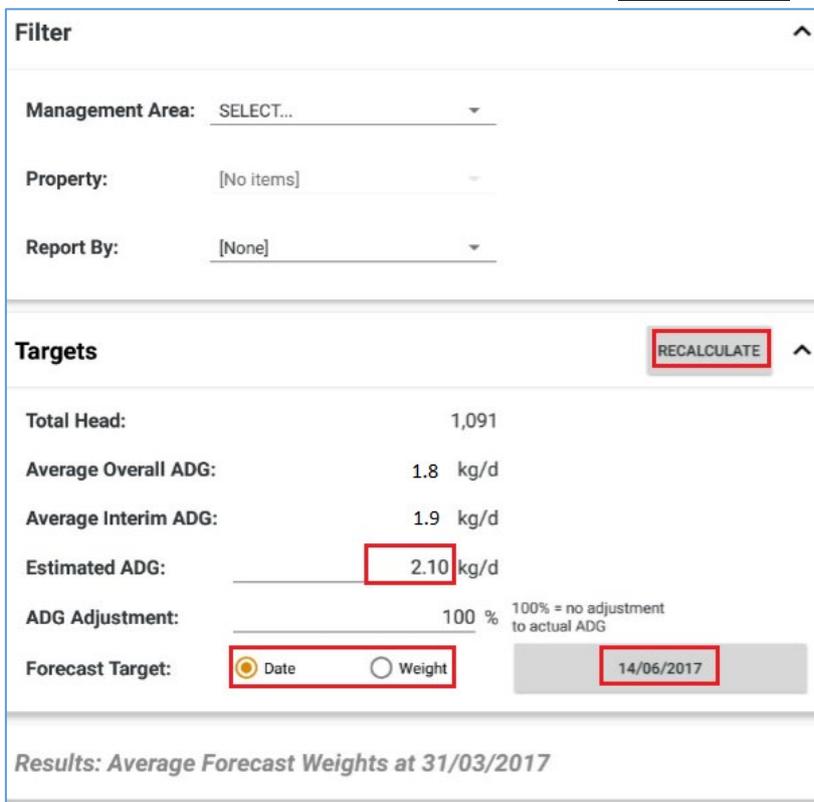
The tool calculates Target Weights and Target Dates using three ADG (Average Daily Gain) measures:

- By Overall ADG (ADG from each animal’s first weight to last weight),
- By Interim ADG (ADG from each animal’s two most recent weights), and
- By Estimated ADG (user-specified ADG).

1. Tap **Reports**, **Forecast Tool**. If desired, apply Filters and tap **LOOK UP TARGETS**. Otherwise, leave Filters.



- In the Targets section, enter Estimated ADG and ADG Adjustment. Select Forecast Target by Date or Weight. Enter Target Weight or Target Date. Select **RECALCULATE**.



- If forecast target is by Date, 'Average Forecast Weights' summary will be displayed.

**Results: Average Forecast Weights at 14/06/2017**

By Overall ADG		By Interim ADG		By Estimated ADG
Actual	Adjusted	Actual	Adjusted	
537 kg	537 kg	544 kg	544 kg	558 kg

- If forecast target is by Weight, 'Forecast Exit Dates' graphs will be displayed.

← Forecast Tool

---

**Filter**

Management Area: SELECT...

Property: [No Items]

Report By: [None]

---

**Targets** RECALCULATE

Total Head: 1,091

Average Overall ADG: 0.02 kg/d

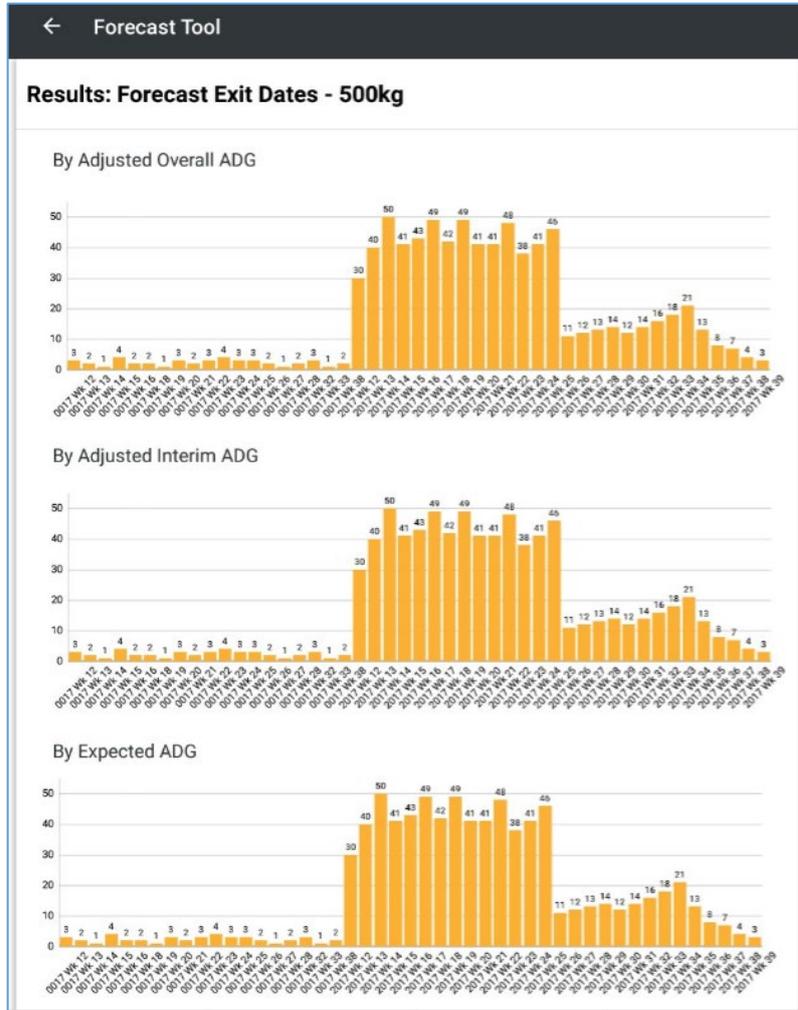
Average Interim ADG: 0.02 kg/d

Estimated ADG: 2.10 kg/d

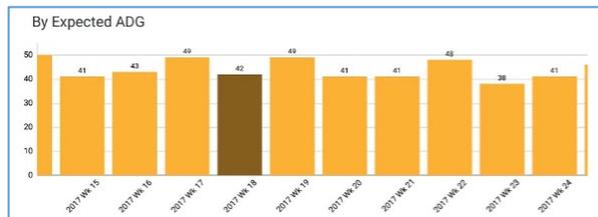
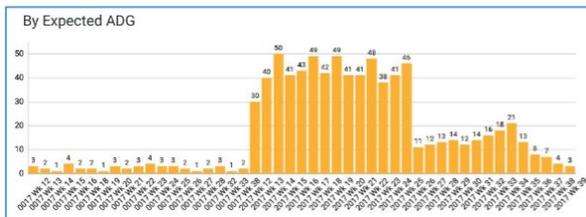
ADG Adjustment: 100 % 100% = no adjustment to actual ADG

Forecast Target:  Date  Weight 500 kg

Results: Forecast Exit Dates - 600kg



- **Note:** Zoom in or out by moving two fingers on the graph. E.g.



## 5.8. Backup and Restore StockMate Tablet Database

Backup and Restore functionality exists in case of tablet failure.

If StockMate Auto Backup is on, the StockMate tablet database is backed up after a specified number of scans in a session (it keeps a specified number of backups then overwrites the oldest one). StockMate backs up to internal storage and can be set to push the backups out to the SD Card (highly recommended).

The SD Card can then be inserted and restored on a separate tablet, if required.

### 5.8.1. Backup

#### 5.8.1.1. Load Micro SD Card

- **Note:** these steps may differ slightly between tablet models.

1. Source a Micro SD Card (one may have come with Tablet).



2. Identify the Micro SD Card slot on the right-hand side of your tablet, and open it (using Ejector Tool, paper clip, or toothpick, if required).

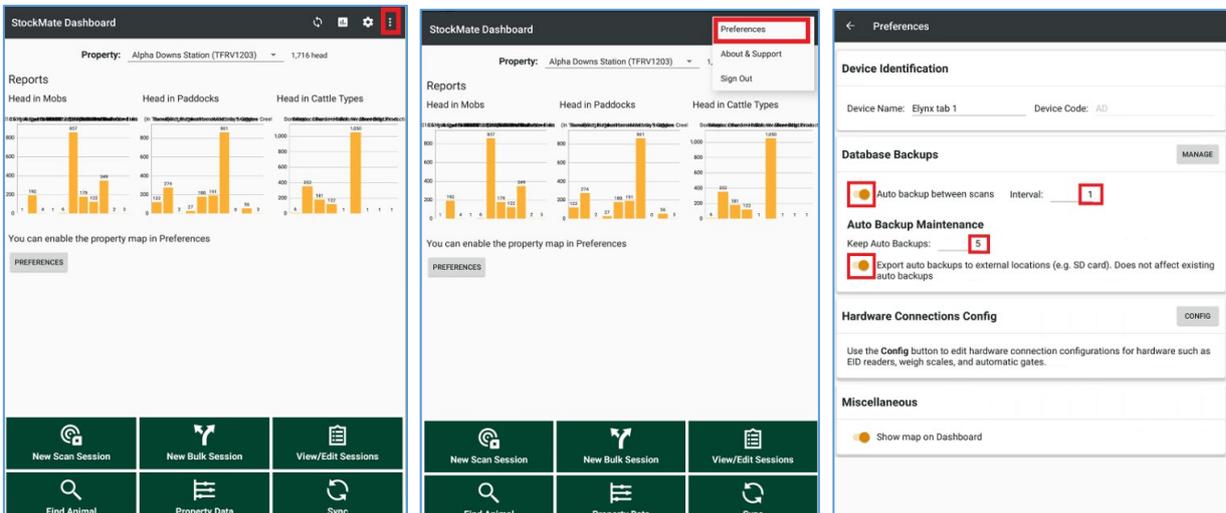


3. Insert Micro SD Card, label side up and ensure SD Card slot is closed properly.

#### 5.8.1.2. Turn on Auto Backup

1. In StockMate, tap More icon, **Preferences**.

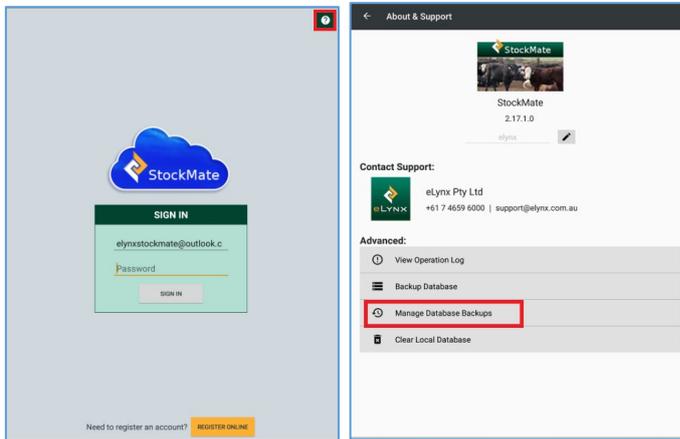
- **Auto backup between scans:** Tick to automatically backup the whole Tablet database between animal scans.
- **Interval:** Specify the backup interval (e.g. '2' will auto backup after every two animal scans).
- **Keep Backups:** Specify the number of Backups to keep (e.g. '10' will keep only the most recent 10 backups).
- **Auto export backups to external locations:** Tick to auto export the tablet database backups to the SD Card (highly recommended).



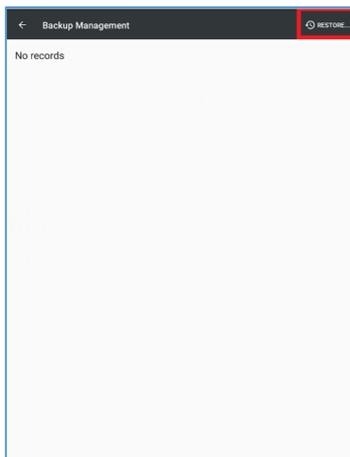
### 5.8.2. Restore

- **Note:** ensure your StockMate App version on the replacement Tablet is updated.

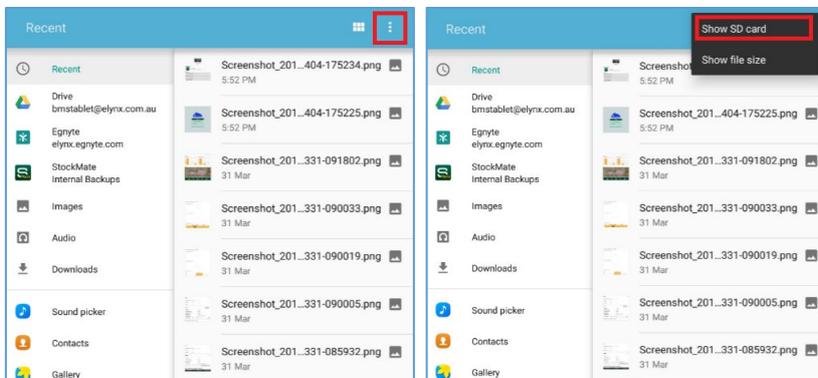
1. Remove the SD Card from the original tablet, and load into replacement tablet (see 5.8.1.1 for steps, if required).
2. On the replacement tablet: Open StockMate app and tap ? (do not log in). Tap Manage Database Backups.



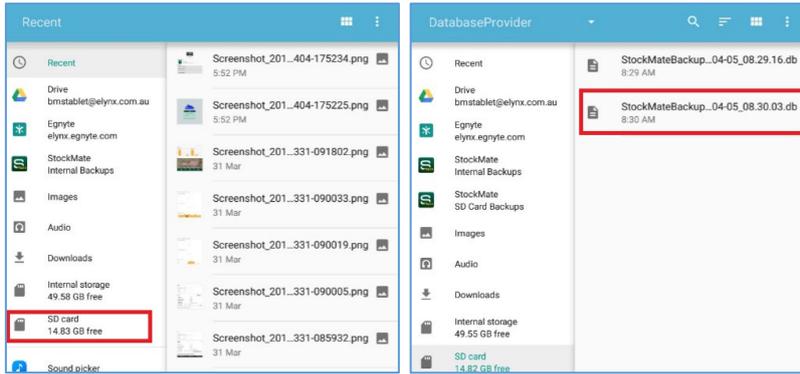
3. Tap Restore.



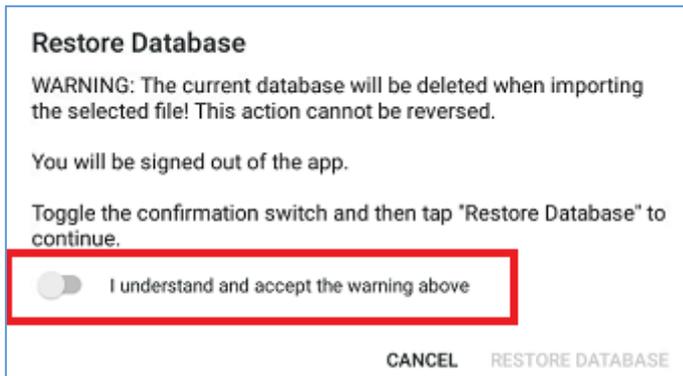
4. Tap the More icon (top-right), Show SD Card. *Note: after this is done once on the tablet, the SD card should show in the left hand side for selection going forward.*



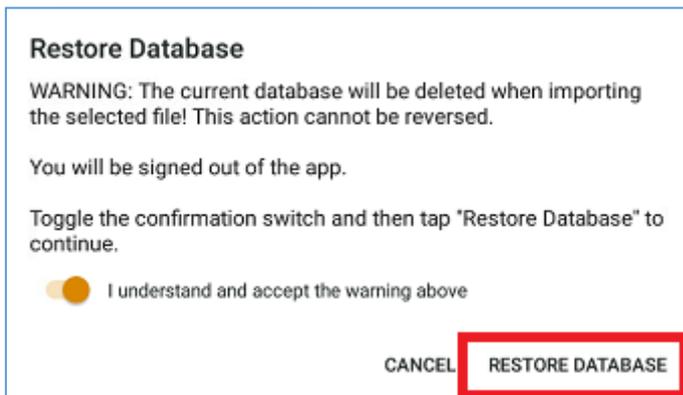
5. Tap SD Card (left-hand column).  
In the right-hand column, tap Android, data, au.com.elynx.stockmate, files, StockMate, and tap the most recent StockMate Backup.



6. Tap the toggle against 'I understand and accept the warning above.'



7. Tap **RESTORE DATABASE**.



8. Sign in to the StockMate app as usual, and proceed to use the app.

## 6. Breeding Components

StockMate allows users to record and report on joining, calving and livestock births, parentage and various performance traits. Session templates can be adjusted to record these details on the App and the Web, and breeding data can be exported via CSV from the website for use with Breed Societies and central breed databases.

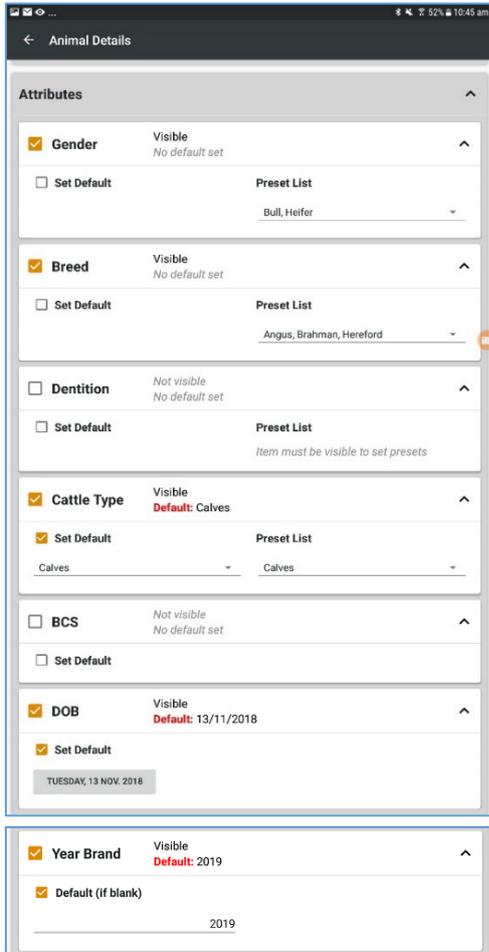
### 6.1. Recording Breeding Traits - Scans

1. Select the parameters to include in the session as detailed in Section 5.2. To record Breeding Traits, some additional fields and defaults can be set. From the session set up screen select **Animal Details**, **Edit**, **Calf Registration** or **Other Breeding Traits**. Select options and set defaults as required.

Calf Registration	Other Breeding Traits
<input checked="" type="checkbox"/> <b>Birth Weight</b> <small>Visible No default set</small> <input type="checkbox"/> Set Default (if blank)	<input type="checkbox"/> <b>200 Day Weight</b> <small>Not visible No default set</small> <input type="checkbox"/> Set Default (if blank)
<input type="checkbox"/> <b>Cow Weight (mother)</b> <small>Not visible No default set</small> <input type="checkbox"/> Set Default (if blank)	<input type="checkbox"/> <b>400 Day Weight</b> <small>Not visible No default set</small> <input type="checkbox"/> Set Default (if blank)
<input type="checkbox"/> <b>Herd Prefix</b> <small>Not visible No default set</small> <input type="checkbox"/> Set Default (if blank)	<input type="checkbox"/> <b>600 Day Weight</b> <small>Not visible No default set</small> <input type="checkbox"/> Set Default (if blank)
<input type="checkbox"/> <b>Herd Ident</b> <small>Not visible No default set</small> <input type="checkbox"/> Set Default (if blank)	<input type="checkbox"/> <b>Horn Status</b> <small>Not visible No default set</small> <input type="checkbox"/> Set Default (if blank)
<input type="checkbox"/> <b>Conception Type</b> <small>Not visible No default set</small> <input type="checkbox"/> Set Default (if blank)	<input type="checkbox"/> <b>Flight Time</b> <small>Not visible No default set</small> <input type="checkbox"/> Set Default (if blank)
<input type="checkbox"/> <b>Conception Date</b> <small>Not visible No default set</small> <input type="checkbox"/> Set Default (if blank)	<input type="checkbox"/> <b>Sheath Score</b> <small>Not visible No default set</small> <input type="checkbox"/> Set Default (if blank)

- Note:** To set a default Parent; Select Parentage, **Add**. **Animal Lookup:** enter EID, Visual or Breed Society ID. **Parent Type:** Select Sire or Dam. The same steps can be used to add a Parent within the session.

- From the Session setup screen select **Animal Details**, **Edit**, **Attributes**. Select 'DOB' or 'Year Brand' and set Default if required.



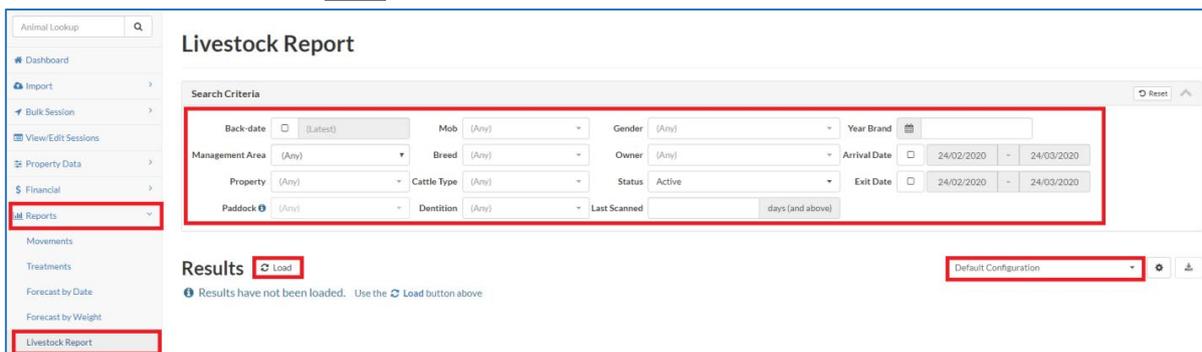
## 6.2. Recording Breeding Traits – Import

Using the Web, Breeding Traits can be imported as part of a Session. See section [Import: Arrival, Handling and Exit](#) for further details.

## 6.3. Breeding Traits Reporting

Breeding Traits reporting within the Livestock Report allows you to view stock based on breeding and performance data, and also view the pregnancy and lactation status of dams. The customisable fields allow you to very specifically design a report to work for you.

1. Select **Reports**, **Livestock report**. Select the desired 'Report Configuration' from the dropdown, specify 'Search Criteria' if desired, **Load**.



(See section 4.4.1.1 for steps, if required.)

## 7. Line (Mob Based) Management of Livestock

### 7.1. Alternative Methods of Recording and Calculating Livestock on Hand (Inventory)

StockMate calculates livestock inventory (Livestock on Hand) in two ways and these two methods are also the means by which animal movements can be recorded.

- **Note:** With Mob Based management **selected**, all Mob based functionality and reports can be seen *in addition* to all Individual EID and reports. With Mob Based management **deselected**, Mob Based reports and functions cannot be seen or used.

#### 7.1.1. Method 1. Individual Electronic ID (EID)

**Basic Assumption:** When animals are moved, processed or treated in any way, StockMate will record the activity with specific reference to individual animals. All livestock records will be maintained based on the unique identifier associated with each animal. In most instances, this will involve the Electronic Identification code (EID) embedded in a scannable ear tag or bolus.

If these records are to be accurate, animals either need to be scanned when they arrive on the property or are treated or moved. If the EID of every animal in a location is known and whole groups of animals are being relocated a 'bulk' move can be recorded using EID records but without scanning the animals.

**Common Applications:** Backgrounding operations, breeders and small to medium sized grazing operations.

#### How 'Method 1' works:

Many producers need to know the location of every specific animal under management. They use scanning technology to identify animals when livestock are processed or moved. In these situations, the StockMate App integrates with the scanning devices and records the destination to which livestock are drafted. Individual animal records are automatically updated with this information.

Often these same producers will move whole groups of animals from paddock to paddock without physically scanning the animals. However, because they have already recorded the location of all animals within StockMate they can then record paddock moves and Exits on the mobile App or through the web interface by using the Bulk Session tool. As explained in [section 4.1](#) this tool allows users to select a group of animals by EID and record shifts between locations.

#### What the reports show:

Based on this information StockMate can generate Stock on Hand reports which show the exact location of, and details for, every animal under management. Producers can maintain an accurate inventory figure for all groups of animals based on individual EID data. This approach works exceptionally well for producers involved in backgrounding operations or with small to medium sized grazing operations.

**Example:** *'Bill' manages a backgrounding property with about 4000 cattle. Because he uses StockMate in the yards to process his cattle based on EIDs he knows which animals have been drafted to each paddock on his property. His pasture management system dictates that Bill shifts entire groups of animals from paddock to paddock on a weekly basis. This is made easy in StockMate because he can record a 'Bulk Handling Session' on the tablet or on the StockMate website and EIDs are transferred to the new paddock in bulk. For any moves where only part of the Paddock or Mob are moved, Bill scans the EIDs being moved. When Bill runs a 'Stock on Hand' report the numbers of animals and their*

*locations and key performance metrics are all accurate for every paddock and property under management because every session has been recorded using EID data.*

### 7.1.2. Method 2. 'Mob' Based Management

#### **Basic Assumption:**

Some livestock producers don't need to scan livestock or might prefer to only scan animal tags occasionally. For instance, they may choose to tag and scan animals at weaning or branding; when applying treatments in the yards or when exiting animals to another property or to a feedlot or processor. Owners of breeding stock that never leave the property on which they are born, may never scan some animals.

They do however need to know how many animals they have of different types, ages and weight ranges and where those animals are located. They producers will elect to use StockMate's 'Line' or 'Mob' based management system to manage their livestock inventory.

**Definition:** 'Line' or 'Mob' based management involves the recording of livestock inventory based on numbers of animals of types or specification. **Note:** This system is not dependent on EID data, but individual animal data can be used within the system to the extent that scanning does take place.

**Common Applications:** Large scale pastoral operations and commercial breeding operations, especially in situations where regular processing and scanning of animals is operationally difficult due to the size of properties and costs structures. Smaller livestock operations where managers have no need to maintain individual animal data may also choose to use 'Mob' based management, although this is less common.

#### **How 'Method 2' works:**

Typically, under this system, mobs or groups of animals will be moved from paddock to paddock without reference to the individual identity of specific animals. Stock handlers simply open a gate and push animals through. They make a note of the number and type of animals on the StockMate App and records are updated when the device is synchronised with the web when the user has an internet connection.

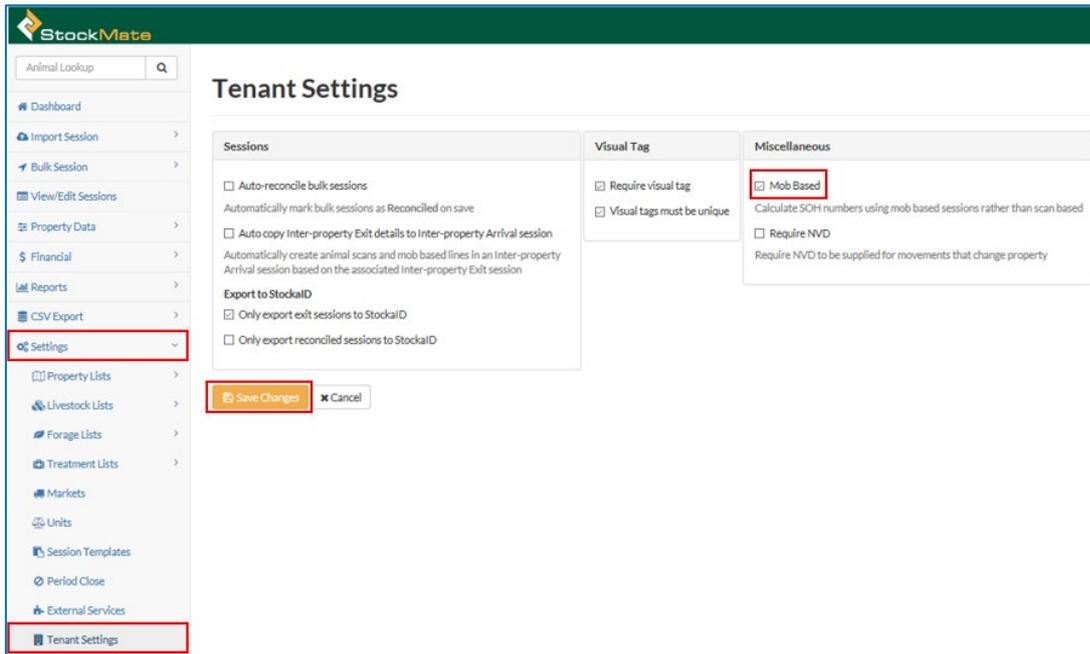
Under this method animal numbers are tracked based on movements of 'lines' or types of cattle. At the most basic level, these lines refer to a line or a type of cattle and could be based on mob, cattle type, breed, gender or any other descriptors.

#### **Reconciling Mob based records with scan based Data.**

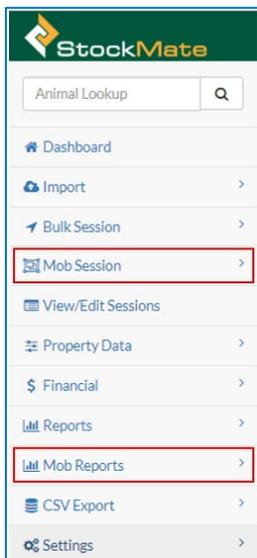
The good thing is that the two systems (EID and Mob based) are not incompatible. At different points in the life of particular animals, they may be scanned. This allows the producer to record treatments and key data against specific animals. If all animals are scanned at, say, an annual muster, it's possible to reconcile mob based records with actual individual animal IDs. Nonetheless, under mob based management, inventory can be maintained, and Stock on Hand determined, even when animals are only scanned at branding and exit.

## 7.2. Setting up Mob Based Inventory Management

1. Select **Settings**, **Tenant Settings**, tick “Mob Based”, **Save Changes**.



- **Note:** the menu will be updated to include a Mob Reports and Mob Session tabs



- **Note:** ‘View/Edit Sessions’ will have an additional column to show Head (from Mob lines) and Scanned Head.

Session Date	Name	Code	Type	Property	Source	Head	Scanned Head	Reconciled
11 Sep 2018	Bulk Handling	SDA400006	Handling Draft	Sunny Downs	Bulk	185	185	<input checked="" type="checkbox"/>
02 Aug 2018	test multi dates	SDA400005	Arrival	Sunny Downs		3	3	<input checked="" type="checkbox"/>
28 Jun 2018	different paddocks	SDA400004	Handling Draft	Sunny Downs		8	8	<input checked="" type="checkbox"/>
27 Jun 2018	Test default destination	WAAA00003	Arrival: External Property Transfer	Waterloo Station	Bulk	90	90	<input checked="" type="checkbox"/>

### 7.3. Adding Mob Based Lines

This section outlines various ways that Mob Based Lines can be added on the App and Web.

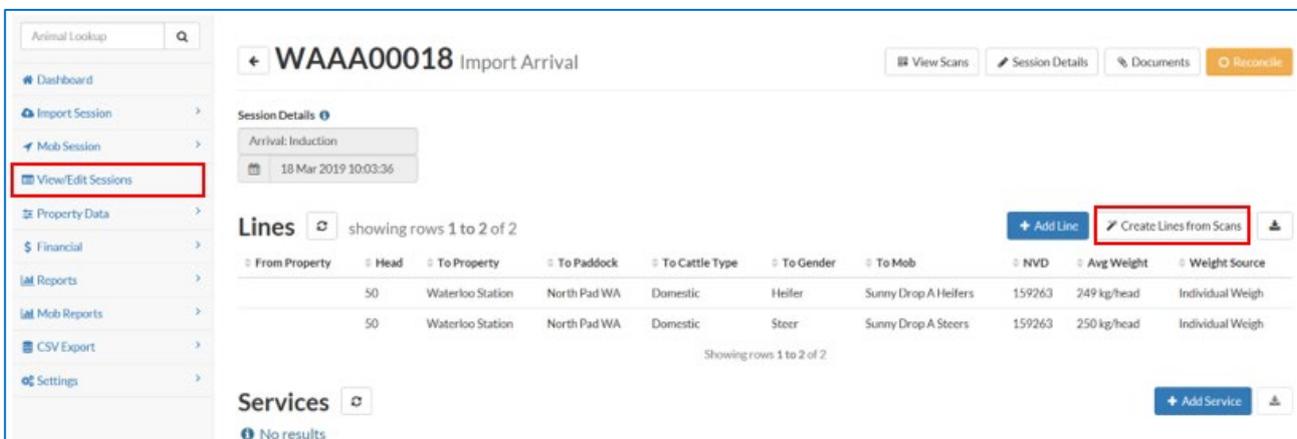
#### 7.3.1. Arrival, Handling and Exit Sessions with EID Data

##### 7.3.1.1. Arrival, Handling and Exit Sessions with EID Data (Web)

This section provides steps to create Mob Lines on the **Web** using existing Scan data.

(Refer to section [4.1.1](#) or [eLynx StockMate Tutorial 2 on YouTube](#) for further details on importing Scan data. Refer to [section 5.2](#) or [eLynx StockMate Tutorial 4](#) for further details on scanning animals into StockMate.)

- To convert Scan data to Mob Based lines, select **View/Edit Sessions**, select the relevant session, **Create Lines from Scans**. You will receive a warning 'Lines will be created based on the scans attached to this session' Select **OK**.



- Note:** To Edit Lines; select the desired line, adjust with the Line Editor form as required, **Save**
- Note:** To Delete Lines; Select the desired line, **Delete**

**Line Editor**

From Property/Paddock Saleyard 123 n/a	To Property/Paddock Waterloo Station North Pad WA	
From Cattle Type/Gender/Mob n/a n/a n/a	To Cattle Type/Gender/Mob Domestic Heifer Sunny Drop A Heifers (0 head)	
Head 50	NVD 159263	
Average Weight 249 kg/hd	Total Weight 12,450 kg	Weight Source Individual Weigh

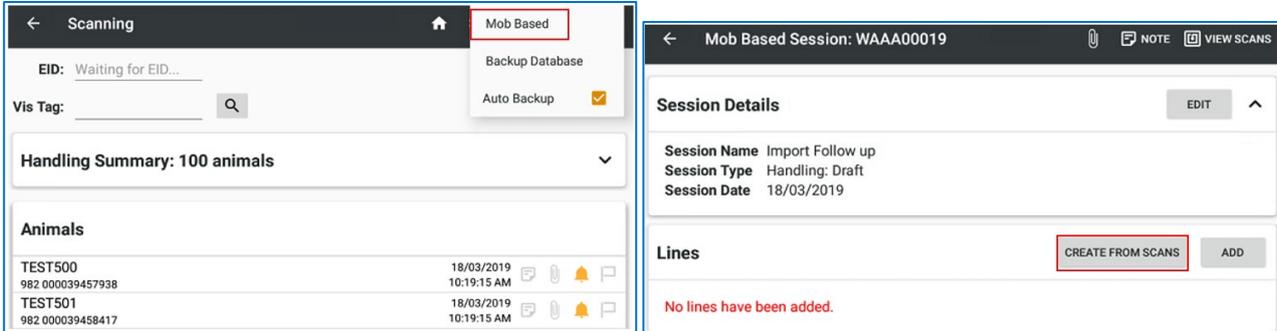
- Note:** To Add additional lines, select Add Line, fill in the line editor, **Save**. See section [7.3.2.1](#) for further details if required.
- Note:** Using the 'Create Lines from Scans' function is encouraged, to assist in reconciling Scan and Mob based data.

7.3.1.2. Arrival, Handling and Exit Sessions with EID Data (App)

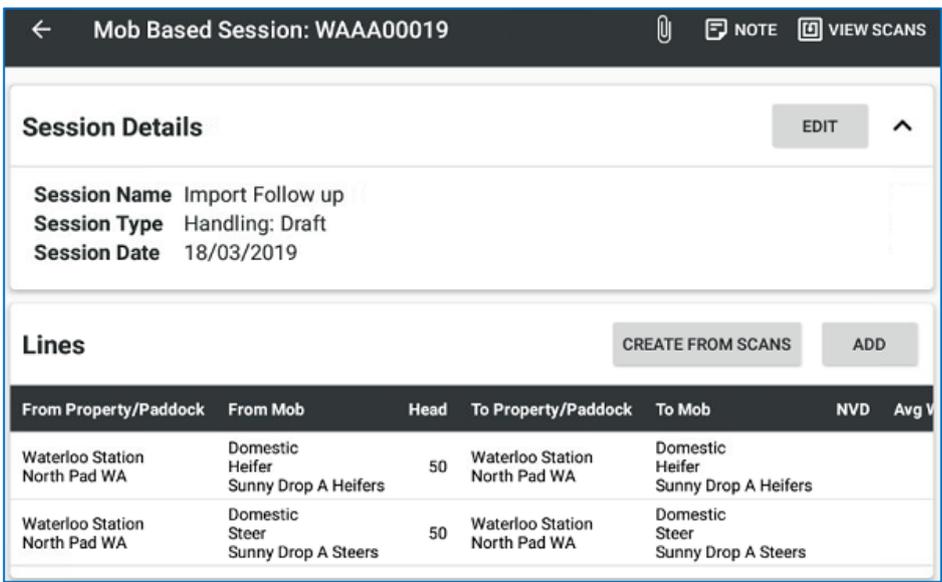
This section provides steps to create Mob Lines on the **App** using existing Scan data.

(Refer to [section 5.2](#) or [eLynx StockMate Tutorial 4](#) for further details on scanning animals into StockMate.)

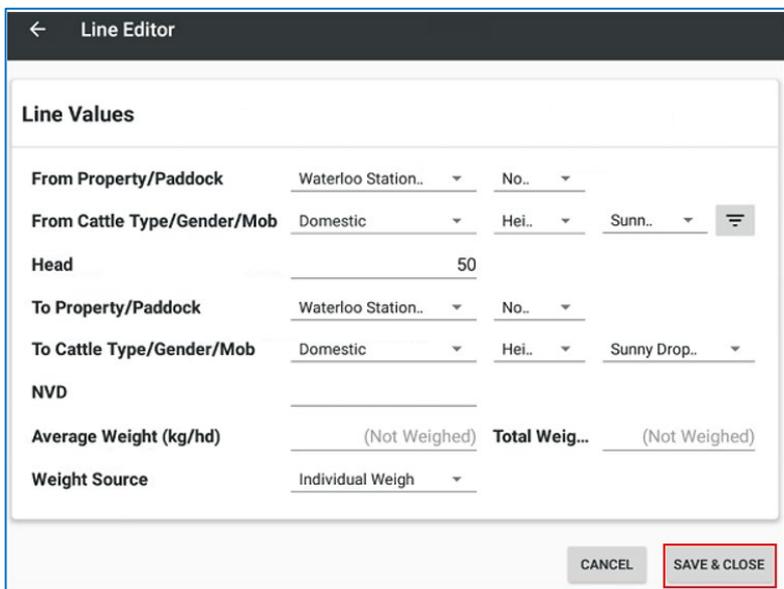
1. To convert Scan data to Mob Based Lines; Select **Mob Based**, **Create Lines from Scans**



2. You will receive a message “Lines will be created based on the scans attached to this session” select **Continue**



- **Note:** To Edit a Line tap the line to open the Line Editor, adjust as required, **Save & Close.**



- **Note:** To Delete a Line long press on the Line, select **Delete**

Lines						CREATE FROM SCANS	ADD
From Property/Paddock	From Mob	Head	To Property/Paddock	To Mob	NVD	Avg	
Waterloo Station North Pad WA	Domestic Heifer Sunny Drop A Heifers	50	Waterloo Station North Pad WA	Domestic Heifer			
Waterloo Station North Pad WA	Domestic Steer Sunny Drop A Steers	50	Waterloo Station North Pad WA				<div style="border: 1px solid red; padding: 2px;">Delete</div>

- **Note:** To Add a Line select **Add**, see 7.2.2.4 for further details.
- **Note:** using the Create Lines from Scans function is encouraged to be used to assist in reconciling Scan and Mob based data.

### 7.3.2. Arrival, Handling and Exit Sessions without EID Data

If sessions do not have individual animal ID data, you can record the animals by Mobs and nominate their location and numbers on your properties. The process used here is the core process associated with maintaining Mob based records in StockMate.

#### 7.3.2.1. Arrival, Handling and Exit Sessions without EID Data (Web)

- **Note:** Mob Sessions are used for this process because individual animal data is not being applied.

1. Select **Mob Session**, **Arrival**, **Handling** or **Exit**, fill in form, **Create Session**.

2. Select **Add Line**.

3. Complete the Line Editor form, **Save**.



**Lines**  showing rows 1 to 4 of 4

From Property	From Paddock	From Cattle Type	From Gender	From Mob	Head	To Property	To Paddock	To Cattle Type	To Gender	To Mob	NVD	Avg Weight	Weight Source
Sunny Downs	North Paddock	Domestic		Angus Breeders test	119	Sunny Downs	South Paddock	Domestic		Angus Breeders test			
Sunny Downs	North Paddock	Domestic	Bull	Angus Bulls	5	Sunny Downs	South Paddock	Domestic	Bull	Angus Bulls			
Sunny Downs	North Paddock	Domestic	Heifer	Sunny Drop A Heifers	23	Sunny Downs	South Paddock	Domestic	Heifer	Sunny Drop A Heifers			
Sunny Downs	North Paddock	Domestic	Steer	Sunny Drop A Steers	38	Sunny Downs	South Paddock	Domestic	Steer	Sunny Drop A Steers			

Showing rows 1 to 4 of 4

**Services**  showing row 1 of 1

Type	Contact	Head	Decks	Comments
Vendor	Jason	185	0	

- Note:** The Download/Import CSV function can be used to reconcile Scan and Mob Based records at a later date if/when EID records become known.

7.3.2.2. Arrival, Handling and Exit sessions without EID Data (App)

1. Select **New Bulk Session**, **New Mob Session**, fill in the form, **Create Session**

2. Select **Add**, fill in the Line Editor form, **Save & Close**.

- **Note:** the 'From Property/Paddock' and 'From Cattle Type/Gender/Mob' fields are disabled for Arrival sessions, however, will be enabled for other animal movements.

Head	To Property/Paddock	To Mob	Avg Weight	Weight Source
29	Taylor Back2	Feeder Heifers Heifer 2017 Angus X Heifers	265 kg/hd	Estimation

3. Once the tablet is back within internet range, these sessions can be synced with the website.

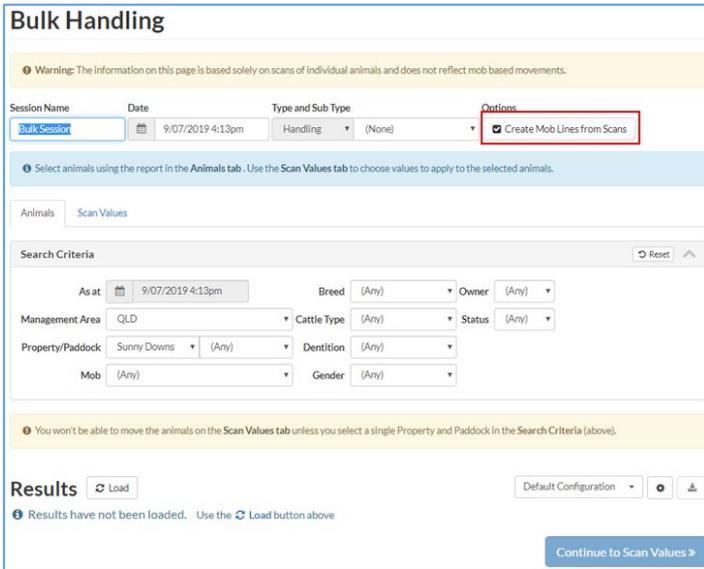
### 7.3.3. Handling and Exit Sessions using Bulk Sessions

Bulk Sessions can be used when the animal Scan (EID) details are known, and allows changes or treatments to be applied in Bulk. The Bulk Sessions also have a 'Create Lines from Scans' function to help keep scan and mob based data reconciled.

#### 7.3.3.1. Handling and Exit Sessions using Bulk Sessions (Web)

Bulk Sessions for Mob based tenants have the addition of a 'Create Mob Lines from Scans' option, allowing the user to simultaneously create Scan records and Mob Lines in the one Bulk Session.

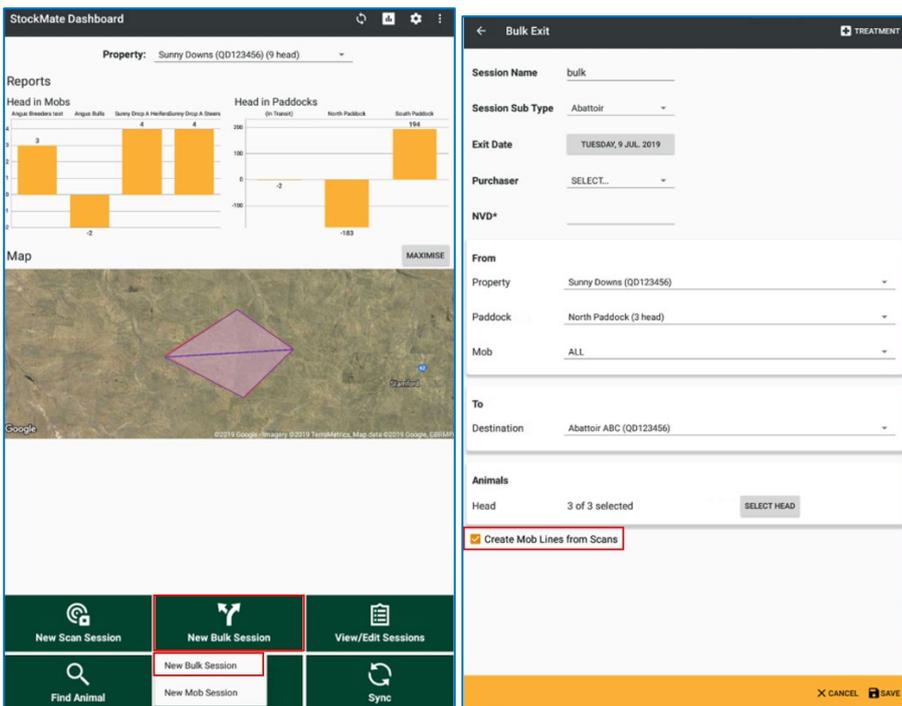
See section [Bulk Session: Handling and Exit](#) for further information.



#### 7.3.3.2. Handling and Exit Sessions using Bulk Sessions (App)

Bulk Sessions for Mob based tenants have the addition of a 'Create Mob Lines from Scans' option, allowing the user to simultaneously create Scan records and Mob Lines in the one Bulk Session.

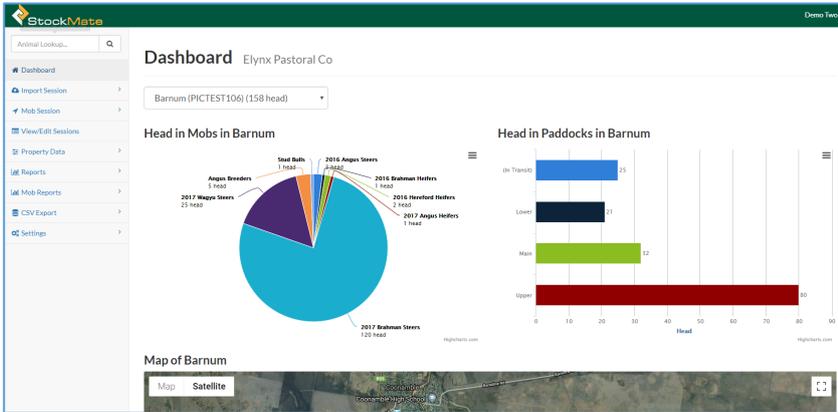
See section [Bulk Session: Handling and Exit](#) for further information.



## 7.4. Dashboard and Reporting

### 7.4.1. Dashboard – Mob Based Tenants

For Mob Based tenants, the stock numbers seen on the Dashboard are based on the numbers of animals in each mob based ‘Line’, even if EIDs are recorded for some or all stock.



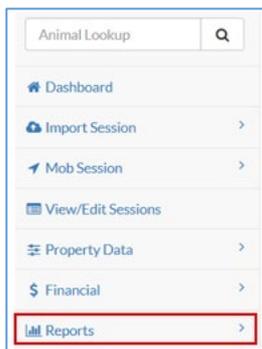
### 7.4.2. Mob Reports

- **Note:** Mob Reports are based on Mob Lines data only – even if EIDs are recorded for some or all stock.

1. Select **Mob Reports**, **Movement Summary/Paddock Disposition/Stock On Hand**, select Search Criteria, select required Report Configuration, **Load**.

2. The Mob Reports can be configured using a similar process to other StockMate reports (see section 4.4.1.1 for steps if required).

- **Note:** when accessing the Reports tab all reports are based on EID data, regardless of Mob Line data.



## 8. StockMate Financials

The Livestock Financial module allows users to record financial data against individual animals and groups of animals from acquisition to sale. Key components of the Financial Module involve:

**Recording and allocation of production Costs and Revenues:** Animal Purchase Groups (APGs), Animal Sales Groups (ASGs) and Other Transactions (OTH)

**Reports:** Animal Purchases, Animal Sales and Animal Whole of Life

### 8.1. Animal Purchase Group/Animal Sales Group/Other Transactions

1. Select **Financial**, **Animal Purchases/Animal Sales/Other Transactions**, **+ New APG/ASG/Other Transaction** to add a new record.

Code	Name	Date	Property	Owner	Type	Est. Head	Act. Head	Prorated	Reconciled
APG0004	APG - Summer Feeder Stock	30/11/2017	Binginbar	Elynx	Saleyard	18	18	✓	✓
APG0001	APG 1	31/10/2017	Taylor	Test Owner		199	199	✓	
APG0008	Angus X APG	01/09/2017	Beefray	Elynx	Saleyard	500	500	✓	

2. Fill in the New Ledger form and select **+ Create**

3. To add Animals to the Ledger select **+Add Animals**

Summary		% Prorate Expenses to Animals	
Head	0	Animal Amount	\$0.00
Arrival Weight	0 kg	Freight Expense	\$0.00
Pay Weight	0 kg	Commission Expense	\$0.00
		Other Expense	\$0.00
		<b>Total</b>	<b>\$0.00</b>

- Select from Reconciled Session/s, Add Criteria options if required, select **+Add Selected Animals to APG/ASG/OTH**

**Add Animals to APG** APG0004: Dalby Sale Arrival 20190103

Select reconciled arrival animals using the criteria below.

Arrival Session Remove

Results  showing row 1 of 1 \*1 selected Show All Download

<input checked="" type="checkbox"/>	Date	Code	Name	Type	Sub Type	Head	Head with no APG
<input checked="" type="checkbox"/>	01/03/2019	SDAA00028	Dalby Saleyard Arrival	Arrival		205	205

Showing row 1 of 1

**Add Criteria**  
Use the buttons to add selection criteria.

Mob Breed Cattle Type Dentition Gender Vendor SAN NVD Origin PIC Status

**Save**

**+ Add Selected Animals to APG** Cancel

- Select **Add Item**, use dropdown boxes to produce Expense lines, select **Add Item** if more Income and Expense lines are required, select **Save** when complete. Select **% Prorate Expenses to Animals**

**Animal Purchase Group Details** APG0004: Dalby Sale Arrival 20190103 Reconcile Delete

Summary % Prorate Expenses to Animals

Head	205	Animal Amount	\$0.00
Arrival Weight	45,634 kg	Freight Expense	\$0.00
Pay Weight	0 kg	Commission Expense	\$0.00
		Other Expense	\$0.00
		<b>Total</b>	<b>\$0.00</b>

Details Edit

Name	Date	Property	Owner
Dalby Sale Arrival 20190:	1/03/2019	Sunny Downs	Sunny Downs Pastoral (Sunny Downs)
Type	Estimated Head		
Saleyard	205		

**Expenses** + Add Item Cancel Save

Type	Cost Basis	Unit Cost	Pay Weight	Mob	Gender	Cattle Type	Breed	Dentition	SAN	NVD	Origin PIC
Animal Amount - Base Price	Per kg	\$4.20	45,634	(All)	(All)	(All)	(All)	(All)	(All)	(All)	(All)
Animal Amount - Adjustment	Per kg	\$-0.20	n/a	(All)	Helper	(All)	(All)	(All)	(All)	(All)	(All)
Freight Expense	Per Head	\$200.00	n/a	(All)	(All)	(All)	(All)	(All)	(All)	(All)	(All)
Commission Expense	Total	\$205.00	n/a	(All)	(All)	(All)	(All)	(All)	(All)	(All)	(All)

**Animals**  showing rows 1 to 20 of 205 + Add Animals - Remove Animals Search Default Configuration Download

EID	Visual Tag	Cattle Type	Breed	Dentition	Gender	Mob	SAN	Session Code	Session Weight (Ttl)	Pay Weight - Animal Amount (Ttl)	Animal Amount (Ttl)	Freight Expense (Ttl)	Commission Expense (Ttl)	Other Expense (Ttl)	Total (Ttl)
982 123549678402	1879591	Domestic	Brahman X	4	Female	Sunny Drop A Helpers	SDAA00028		270 kg	0 kg	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
982 123546743081	1879674	Domestic	Angus	4	Female	Sunny Drop A	SDAA00028		272 kg	0 kg	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

- Note:** An Animal Amount – Base Price must be entered to apply to all selected animals in both APGs and ASGs. Warnings will be given if the Income and Expenses are unable to be prorated to the Animals selected.

- Edit as required, or if complete select **Reconcile**

**Animal Purchase Group Details** APG0004: Dalby Sale Arrival 20190103 Reconcile Delete

Summary % Prorated

Head	205	Animal Amount	\$191,662.80
Arrival Weight	45,634 kg	Freight Expense	\$41,000.00
Pay Weight	45,634 kg	Commission Expense	\$205.00
		Other Expense	\$0.00
		<b>Total</b>	<b>\$232,867.80</b>

Details Edit

Name	Date	Property	Owner	Type	Estimated Head
Dalby Sale Arrival 20190:	1/03/2019	Sunny Downs	Sunny Downs Pastoral (Sunny Downs)	Saleyard	205

**Expenses** + Add Item Edit All

Type	Cost Basis	Unit Cost	Pay Weight	Mob	Gender	Cattle Type	Breed	Dentition	SAN	NVD	Origin PIC	Head
Animal Amount: Base Price	Per kg	\$4.20	45,634	(All)	(All)	(All)	(All)	(All)	(All)	(All)	(All)	205
Animal Amount: Adjustment	Per kg	\$-0.20	n/a	(All)	Helper	(All)	(All)	(All)	(All)	(All)	(All)	0
Freight Expense	Per Head	\$200.00	n/a	(All)	(All)	(All)	(All)	(All)	(All)	(All)	(All)	205
Commission Expense	Total	\$205.00	n/a	(All)	(All)	(All)	(All)	(All)	(All)	(All)	(All)	205

**Animals**  showing rows 1 to 20 of 205 + Add Animals - Remove Animals Search Default Configuration Download

EID	Visual Tag	Cattle Type	Breed	Dentition	Gender	Mob	SAN	Session Code	Session Weight (Ttl)	Pay Weight - Animal Amount (Ttl)	Animal Amount (Ttl)	Freight Expense (Ttl)	Commission Expense (Ttl)	Other Expense (Ttl)	Total (Ttl)
982 123549678402	1879591	Domestic	Brahman X	4	Female	Sunny Drop A Helpers	SDAA00028		270 kg		\$1,134.00	\$200.00	\$1.00	\$0.00	\$1,335.00
982 123545679988	1879674	Domestic	Angus	4	Female	Sunny Drop A Helpers	SDAA00028		272 kg		\$1,142.40	\$200.00	\$1.00	\$0.00	\$1,343.40
982 123546743081	1878595	Domestic	Brahman X	2	Female	Sunny Drop A Helpers	SDAA00028		262 kg		\$1,100.40	\$200.00	\$1.00	\$0.00	\$1,301.40

## 8.2. Financial Reports

1. Select **Reports**, **Financial**, **Animal Purchases/Animal Sales/Animal Whole of Life** as required.

2. Select Search Criteria, select required Report Configuration, **load**

Cattle Type	Breed	Dentition	Gender	Mob	List Weight (Tb)	Freight Expense (Tb)	Commission Expense (Tb)	Treatment Expense (Tb)	Other Expense (Tb)	Animal Purchase Price (Tb)	Other Income (Tb)	Animal Sale Receipt (Tb)	Gross Profit (Tb)	Head (Tb)
Domestic	Angus	0	Female	Sunny Drop & Hoppers	4,872.00	\$3,800.00	\$19.00	\$0.00	\$0.00	\$17,086.20	\$0.00	\$0.00	\$-20,917.20	1#
Domestic	BrahmanX	0	Female	Sunny Drop & Hoppers	4,395.00	\$3,800.00	\$18.00	\$0.00	\$0.00	\$17,189.00	\$0.00	\$0.00	\$-21,018.00	1#
Domestic	Angus	3	Female	Sunny Drop & Hoppers	7,213.00	\$6,400.00	\$32.00	\$0.00	\$0.00	\$30,294.60	\$0.00	\$0.00	\$-26,728.60	32
Domestic	BrahmanX	2	Female	Sunny Drop & Hoppers	7,267.00	\$6,200.00	\$12.00	\$0.00	\$0.00	\$21,429.60	\$0.00	\$0.00	\$-28,880.40	21
Domestic	BrahmanX	4	Female	Sunny Drop & Hoppers	270.00	\$200.00	\$1.00	\$0.00	\$0.00	\$1,134.00	\$0.00	\$0.00	\$-1,135.00	1
Domestic	Angus	4	Female	Sunny Drop & Hoppers	272.00	\$200.00	\$1.00	\$0.00	\$0.00	\$1,142.40	\$0.00	\$0.00	\$-1,143.40	1
					22,828.00	\$25,800.00	\$83.00	\$0.00	\$0.00	\$76,287.60	\$0.00	\$0.00	\$-117,000.60	801

3. The Reports can be configured using a similar process to other StockMate reports (see section 4.4.1.1 for steps if required).

## 9. Hardware Configurations

### 9.1. Configuration of the Gallagher TW1 Weigh Scale Indicator to work with StockMate

Initial setup for real time weight transfer.

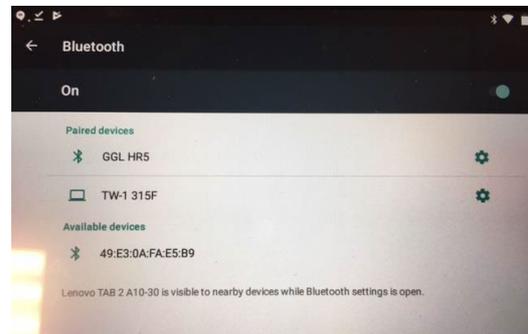
#### 9.1.1. Background

Gallagher have provided the following detail relating to use of their TW1 Scale Head with the StockMate App on Android devices.

**NB:** it is recommended to connect EID reader via Weigh Scales in StockMate, and pair the TW1 via Bluetooth to the EID Device prior to continuing. On the TW1 - Search for EID reader via Bluetooth. Go to Device Settings → Bluetooth, reader will show as connected device.

#### 9.1.2. Pairing the TW1 Scale Indicator and Android tablet

On the Android Tablet, pair the TW1. Go to Bluetooth in the Config Hardware screen in StockMate, scan and select TW1. A pairing code will be displayed only on the Android device which you can just accept. (In this instance, note that the Gallagher HR5 EID Reader has also been paired. The pairing code for the HR5 is 0000).

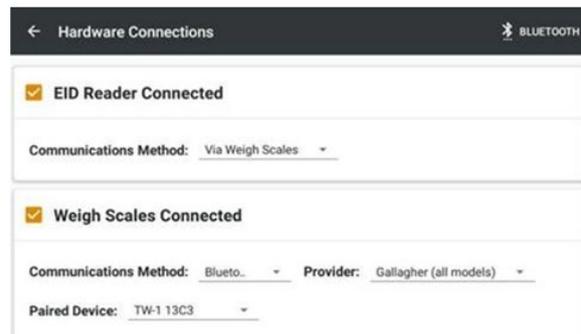
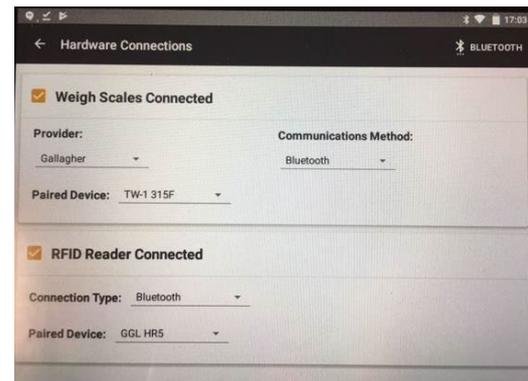


#### 9.1.3. Configuring hardware connections in StockMate

Open StockMate, Set up a new Scan Session and go to Hardware Connected. Choose the TW1 and Reader as shown.

**IMPORTANT:** After setting up, press the yellow Start Scanning button in StockMate. This will initiate connection to the Scale.

**NB:** it is recommended to connect EID reader via Weigh Scales, and pair the TW1 via Bluetooth to the EID Device.



### 9.1.4. Configuring the TW1 Indicator

1. On the TW1, press the settings COG to take you to Settings.



2. Go to Device Settings.



3. Go to Bluetooth. You will see your Android device connected. This will still be empty if you have not initiated the connection in StockMate. If it is, initiate the connection in StockMate by pressing Start Scanning. Press on the device name.



4. Ensure the tick is against Data Output (called Data Device on some models). When first setting up it is likely to be against PC/Smart Phone since the TW1 still needs to be told it will be sending data to another device.

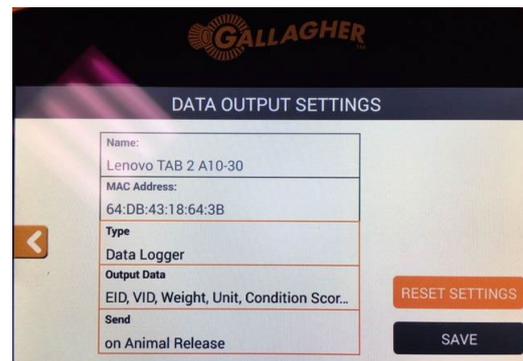


- Go back to settings and then Equipment Connections. Press Data Output (Data Device on some models).

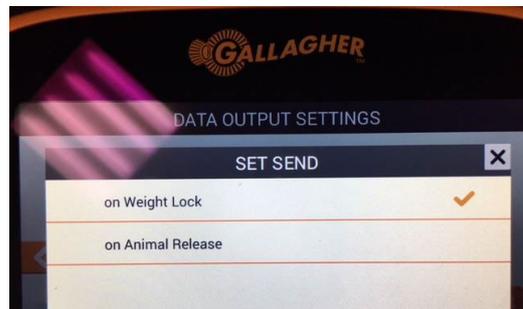


- In Data Output/Device Settings, Ensure the Type is Data Logger. Output Data can remain as is and Send should be "On Weight Lock". "Resend on Data Change" also needs to be selected.

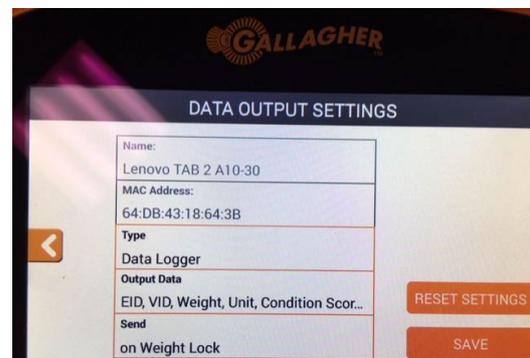
**NB:** Check Data Logger settings, ensure all items are ticked. Some devices may have NOTE unticked.



- Changes can be made by pressing the wording to up bring the choices.



- Data Output Settings should look like this.



- Turn on the EID Reader and it will connect automatically to StockMate if it has been paired with the Android Tablet.

**NB:** this step is only required if pairing EID reader separately. If paired via Weigh Scales, EID reader should already be connected to TW1.

### 9.1.5. Using the TW1 with StockMate

Go back to the home screen on the TW1 and start a new session. Now you be able to scan a tag into StockMate which will start a record. You can also put a weight on the scale and once the weight has locked in, it will be transferred to StockMate.



The steps for setting up the TW1 to send weight only need to be done on initial setup. After that, the scale will connect automatically unless the communications settings are deliberately changed.

## 9.2. Configuration of Gallagher TSi 2 to work with StockMate

### 9.2.1. Overview

Although the Gallagher TSi 2 weigh scale indicators have embedded Bluetooth and Wi-Fi capacity, the product does not allow for EID and Weight information to be transmitted via Bluetooth or Wi-Fi to a third party product such as StockMate (on the Android platform). The issue is easily and affordably resolved through the purchase of one of two products, both of which retail in Australia for around \$50 - \$60 GST inc. Users can attach either an 'RS232 serial to Bluetooth' adapter or a 'RS232 Serial to Wi-Fi' adaptor to the second 9 pin serial port on the back of the Gallagher device. Once configured, it allows the TSi 2 to work seamlessly with StockMate.

### 9.2.2. Bluetooth To RS232 RS-232 Adapter / Bluetooth Serial BT232 Adaptor With External Dipole Antenna Class1 100m (BT-232B-E)



Gallagher TSi 2 Weigh Scale Indicator

Bluetooth to Serial - RS232 Adapter (and USB power cable)

StockMate on an Android Tablet

Typically, we suggest that the TSi 2 be connected to whatever RFID scanner is in use via Bluetooth. If a cable connection is used, then we suggest that RS232 Serial Port 1 is used. Port 2 then can be used for the Serial to Bluetooth adapter. When it is plugged into the weigh scale indicator, both weight and EID data can be sent to StockMate.

### 9.2.3. Setup

#### 9.2.3.1. Pair the RFID Reader/Scanner with the TSi 2

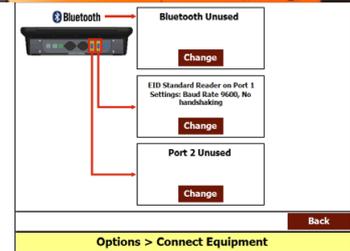
1. In this example, the Reader is an Allflex RS420 which uses the 'Slave' option to connect to the TSi reader.



2. On the TSi, Choose 'Options' from the 'Session' screen. Then from the 'Setup Options' choose 'Connect Equipment'.



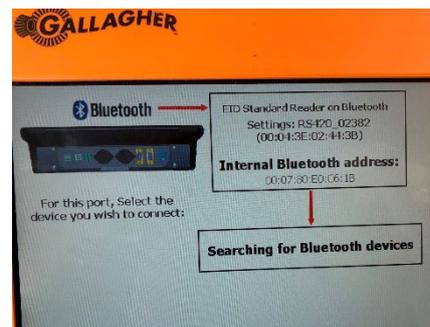
3. The first screen will show you existing connections, if any. By default, Bluetooth will be unused, and RS232 Port 1 will be set to 'EID Standard Reader'. See right.



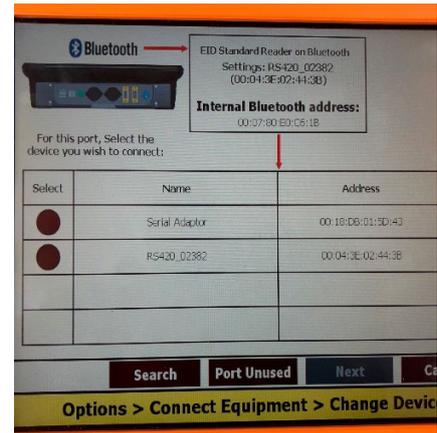
4. However, we will typically connect the RFID reader via Bluetooth and then output both the EID and weight data via RS232 Port 2 as a data logger.



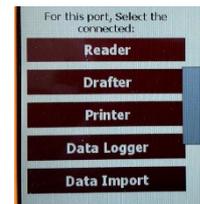
5. Click on the 'Change' button in the Bluetooth box. Search for Bluetooth devices.



- Choose the EID/Rfid reader/scanner you are using from the list of available Bluetooth connections. In this example it will be the RS420\_02382.

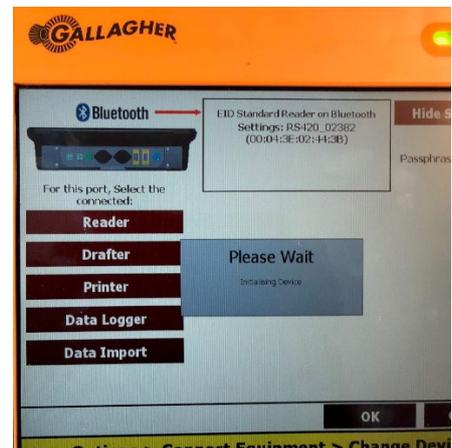


- Select 'Reader' from the list of device types.



- If a secondary screen appears with options for reader type, we would typically choose 'EID Standard Reader on Bluetooth'.

You may be prompted for a Bluetooth PIN. Check scanner documentation or try 0000 or 1234.



Your EID reader should now be paired with the TSi.

### 9.2.3.2. Pair the TSi and the Android Tablet.

The StockMate App on the tablet will act as a Data Logger to collect both EID's and Weights.

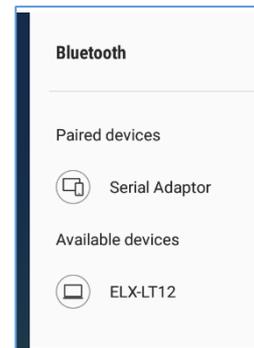
- Unpack the Bluetooth adapter. Screw in the Dipole antenna at the back and plug the adapter into the 9 pin port closest to the load bar connectors. (Note that the adaptor can be powered up by connecting the USB cable to the Mini USB port on the adaptor and the other end into one of the USB ports on the back of the TSi scale indicator).



Make sure the sliding DCE/DTE switch on the side of the adaptor is set to DCE (F) and that the Power Source switch is set to USB/Battery.

- Pair the Android tablet with the 'Serial Adaptor' plugged into the TSi.

Typically (e.g. on a Samsung Tablet), select:  
 Settings >> Bluetooth  
 Scan for devices. 'Serial Adaptor' will appear in the list of available devices.  
 Enter the Bluetooth PIN when prompted.

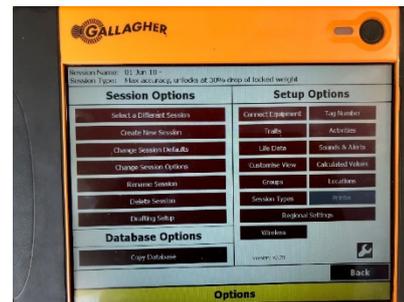


- Note you are pairing the tablet with the serial port to Bluetooth adaptor NOT directly to the TSi). See image right.
- Default Bluetooth PIN for the Bluetooth adaptor is usually 1234.

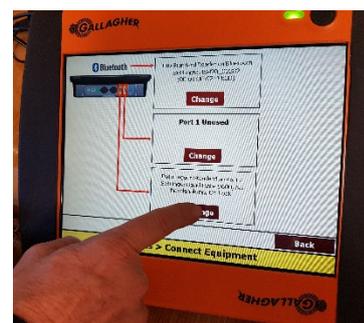
- On the indicator, select 'Options' from the righthand menu in the 'Sessions Screen'.



- Then, from 'Setup Options', select 'Connect Equipment'.



- Click on the 'Change' button for Port 2.



- Select Data Logger from the list of device connection types.



- Choose the Data Logger Type. (Typically, this will be 'Data Logger Standard')

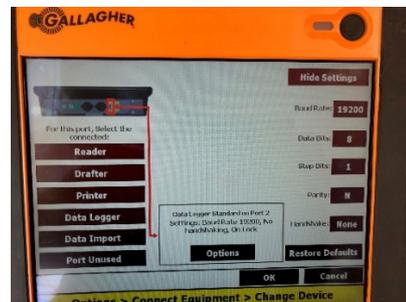


- Then click the Options button on the screen that appears and select Log data on 'Weight Lock'.



- You'll be returned to the 'Change Device' screen. Click the 'Show Settings' button and ensure that the settings depicted at right are entered. Click Okay.

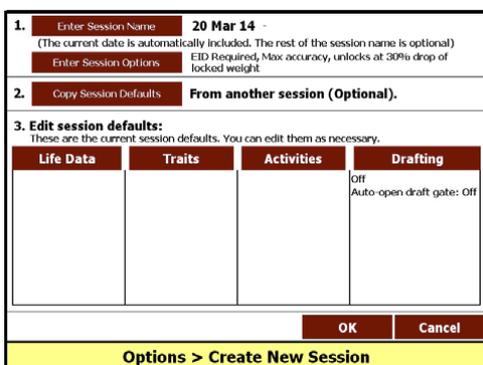
Baud rate: 19200  
 Data bits: 8  
 Stop bits: 1  
 Parity: N  
 Handshake: None.



Note that when the devices are paired, the blue light on the Bluetooth adaptor will go solid.

9.2.3.3. *Create a new session on the TSi.*

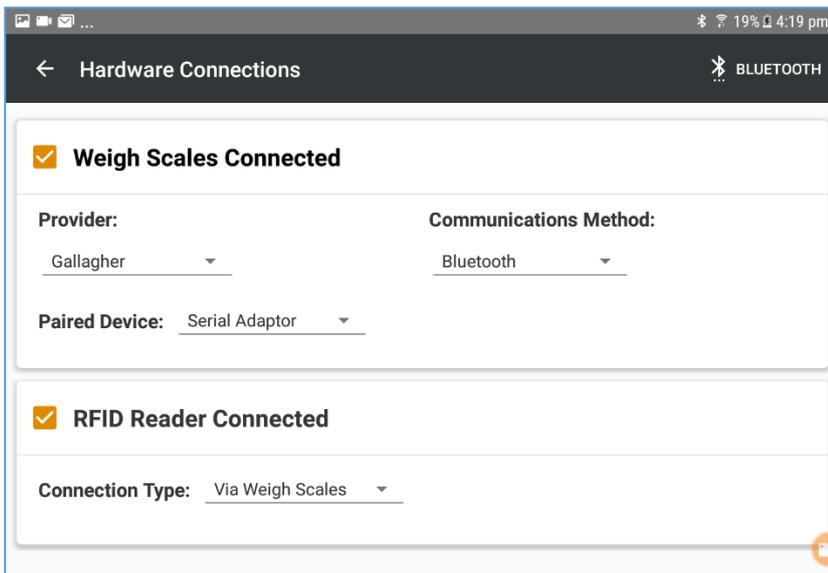
- Press the Options button, located on the Yard screens.
- Press the Create New Session button, located on the Options screen.
- Press the Full session with animal identification button. The Create New Session screen displays.



- To enter a session name, press the Enter Session Name button (optional).
- To configure session options such as weight lock speed and EID requirements, press the Enter Session Options button (optional). Refer to Session Options (p 13) for further details. Refer to Page 13 of the TSi 2 manual for further details.

#### 9.2.3.4. Create a session in StockMate and configure Hardware.

Refer to the StockMate Quick User Guide for detail on creating a session in StockMate. Choose the connection details shown below.



In StockMate, click 'Start Scanning' to establish the final connection. You will note on the Animals list screen and individual animal screens that the connection detail in the top right hand corner has gone from Red to Green. You are right to go.

### 9.2.4. Troubleshooting

Sometimes when a user leaves a session and then recommences it later, the Bluetooth connection between the Serial Adaptor and the tablet drops.

- If the connection drops and does not automatically reconnect then the connection can be re-established by clicking 'Options' from the 'Session' screen on the Gallagher; choose 'Connect Equipment' and then 'Change' on the port used for the Data Logger. This re-initialises the connection. Return to the Session screen.
- Then, in StockMate, click 'Start Scanning' again from the session setup screen. When the Animals list screen appears, check that the Weigh Scale and RFID connection text goes from red to green.

## 9.3. Configuration of the Gallagher W810 v2 Indicator to work with StockMate

### 9.3.1. Overview

The Gallagher W810 weigh scale indicators can connect with EID readers via the Bluetooth function embedded in the scale head. EID and weight data can then be sent to the StockMate App on an Android device using a Bluetooth ('RS232 serial to Bluetooth') or Wi-Fi ('RS232 Serial to Wi-Fi') adapter attached to one of the 9 pin serial ports on the scale head.

These adapters retail in Australia for around \$50 - \$60 GST inc.

Once configured, the adaptor allows the W810 v2 to work seamlessly with StockMate.

### 9.3.2. Bluetooth To RS232 RS-232 Adapter / Bluetooth Serial BT232 Adaptor With External Dipole Antenna Class1 100m (BT-232B-E)



Gallagher W810 Weigh Scale Indicator

Bluetooth to Serial - RS232 Adapter (and USB power cable)

StockMate on an Android Tablet

Typically, we suggest that the Gallagher W810 be connected to whatever RFID scanner is in use via Bluetooth. If a cable connection is used, then we suggest that RS232 Serial Port 1 is used. Port 2 then can be used for the Serial to Bluetooth adapter. When it is plugged into the weigh scale indicator, both weight and EID data can be sent to StockMate.

### 9.3.3. Setup

#### 9.3.3.1. Pair the RFID Reader/Scanner with the W810 (Refer P31 of the W810 v2 User Manual for additional info)

Turn the Indicator on and select 'S' for Settings using the orange selection switch near the number pad.

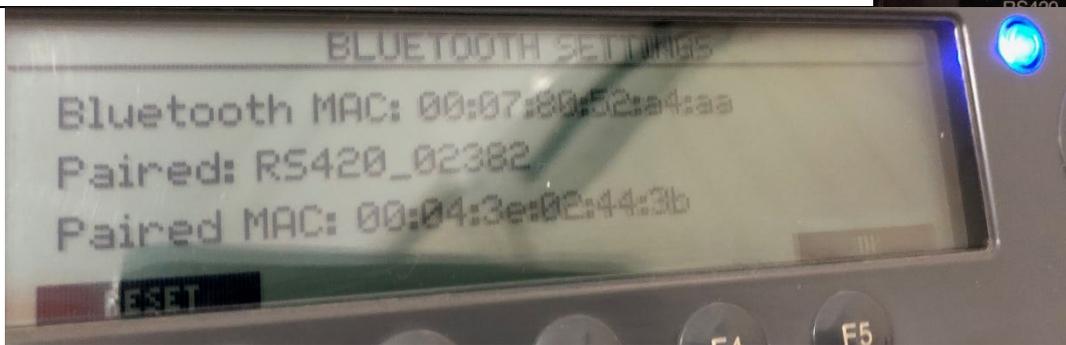
The Weigh Scale W810 v2 has internal Bluetooth that allows communication with a Bluetooth Electronic ID reader. Your reader will need to be paired with the Weigh Scale. If you are using a Gallagher EID Reader, follow the instructions on Page 31 of the W810 User Manual. If you are pairing with a different brand of reader go to step 2. (First make sure your EID reader is turned on and visible to other devices)

From the Communications menu, press the button to select the Bluetooth port.

Use the Change button to toggle options and select 'EID Reader – Advanced'. Press 'Config' and then choose 'Bluetooth'. You will see the Bluetooth MAC address for the scale head and a message indicating that no pairing has yet been made.



In this example, the Reader we are using is an Allflex RS420. In the menu options on this reader, the Bluetooth Settings allows you to search for new devices. Select this option and it will bring up the MAC address of the Gallagher W810 v2. Pair the devices and the screen on the W810 will show that the devices are paired, and a blue LED will confirm the pairing.



9.3.3.2. *Pair the W810 and the Android Tablet.*

The StockMate App on the tablet will act as a Data Logger to collect both EID's and Weights.

Unpack the Bluetooth adapter. Screw in the Dipole antenna at the back and plug the adapter into one of the 9 pin serial ports on the side of the W810. In this instance I have used Port 2. (Note that it is likely that the adaptor will need to be powered up by connecting the USB cable to the Mini USB port on the adaptor and the other end into a charging device).



Make sure the sliding DCE/DTE switch on the side of the adaptor is set to DCE (F) and that the Power Source switch is set to USB/Battery.

At this stage the serial port used is likely to be marked as unused. From the communications' menu on the W810, use the 'Change' button to select 'Data Output – Data Logger'.



Now select the Configure menu to select the Data outputs to be included. With StockMate make sure that 'Data Output on Lock' is 'On' and that EID and Weight are both included. Most other fields will be recorded within the StockMate App. When you have made your selections, use the softkeys to select 'OK'.



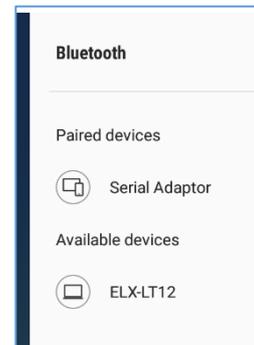
Use the 'Port' button (F4 Softkey) to check the configuration is as follows:

- Baud rate: 19200
- Data bits: 8
- Stop bits: 1
- Parity: N
- Flow Control: None.



Pair the Android tablet with the 'Serial Adaptor' plugged into the W810 v2.

Typically (e.g. on a Samsung Tablet), select:  
 Settings >> Bluetooth  
 Scan for devices. 'Serial Adaptor' will appear in the list of available devices.  
 Enter the Bluetooth PIN when prompted.



- Note you are pairing the tablet with the serial port to Bluetooth adaptor NOT directly to the W810). See image right.
- Default Bluetooth PIN for the Bluetooth adaptor is usually 1234.

Note that the blue light will flash on the Bluetooth adaptor until scanning starts in the StockMate App. At that point, the blue light on the Bluetooth adaptor will go solid.

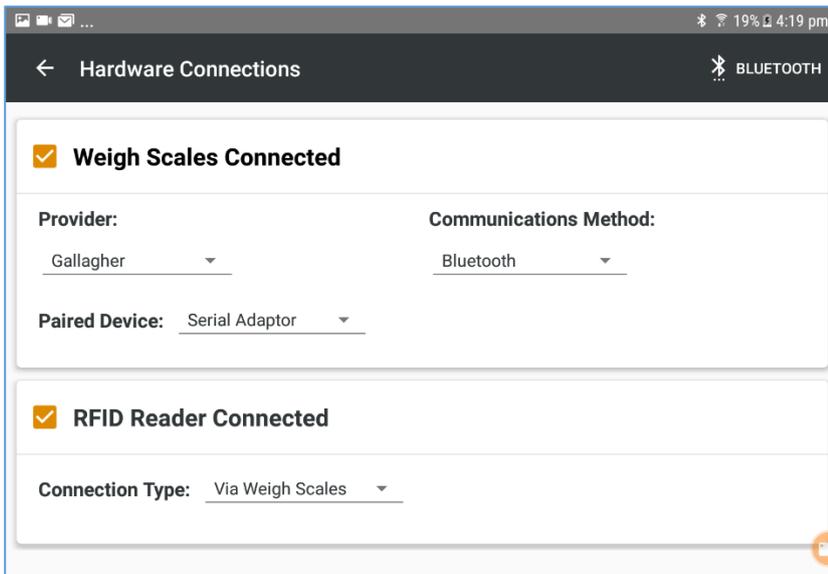
*9.3.3.3. Create a new session on the W810.*

Switch the orange dial to "Auto" (A) or "Manual" (M) depending on your requirements and press the F4 softkey to create a "New" session. Use the keyboard to give the Session a name and click okay before adding session notes if required. (See Pages 36-ff of the User guide for session settings).

*9.3.3.4. Select the required weighing mode.*

*9.3.3.5. Create a session in StockMate and configure Hardware.*

Refer to the StockMate User Guide for detail on creating a session in StockMate. Choose your template or the session settings from the "Session Setup" screen and then choose "Hardware Connections". Make sure the connection details shown below are selected.



In StockMate, once the session configuration is set, simply click 'Start Scanning' to establish the final connection with the Serial Adaptor. You will note on the Animals list screen and individual animal screens in StockMate that the connection detail in the top right hand corner has gone from Red to Green and that the flashing blue light on the Adapter has gone solid. The blue Bluetooth LED on the Indicator should be lit up to show your EID reader has been paired. You are right to start processing animals.

When the first Animal steps on the scales, it's EID and weight will appear on the W810 Indicator screen. If you are manually scanning, you will see a message on the screen below the weight screen which says "Waiting for EID Tag ..."

### 9.3.4. Troubleshooting

Sometimes when a user leaves a session and then recommences it later, the Bluetooth connection between the Serial Adaptor and the tablet drops.

- In StockMate, click 'Start Scanning' again from the session setup screen. When the Animals list screen appears, check that the Weigh Scale and RFID connection text goes from red to green and the blue light on the Serial Adaptor should stop flashing and go solid.
- If the step above doesn't re-establish the connection go to Settings on the tablet and under 'connections' unpair and then pair again the connection between the tablet and the Adapter.
- Occasionally, it may be necessary to also turn the W810 indicator off and on to re-establish the connection. On rare occasions the tablet and the Serial Adaptor may need to be power cycled (turned off and on) as well.

If when connecting a Serial Adaptor to a port on the Scale Head, you choose to use a 'gender changer' (DB9 null modem adapter) and the Bluetooth connection can't be established, then it may be that you need to reverse the direction of the null modem adapter.

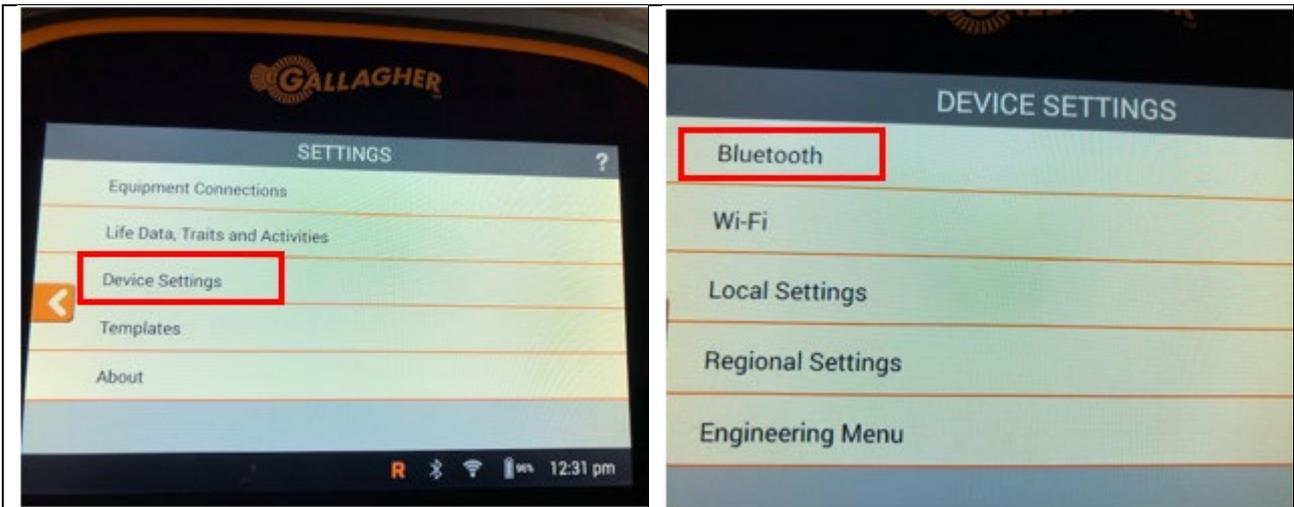
## 9.4. Configuration of the Gallagher TWR-5 Weigh Scale Indicator and Reader to work with StockMate

### 9.4.1. Connect Scale Head to Panel Antenna.

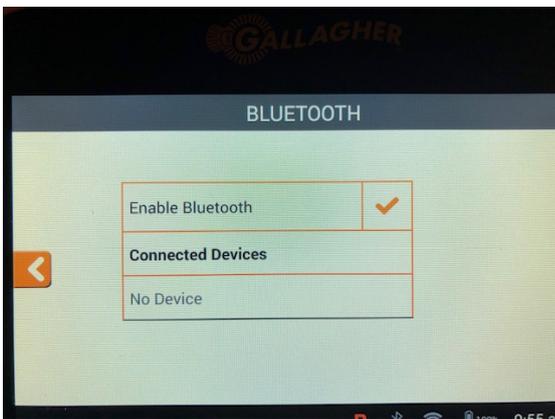
Ensure that the TWR-5 indicator is physically connected to the Gallagher panel Antenna before starting. It will auto-connect and the 'R' at the bottom of the indicator screen lights up.

### 9.4.2. Pair the TWR-5 with the Tablet.

To do this, enable Bluetooth on the indicator. On the TWR-5 use the settings 'cog' icon on the Home screen. In the Settings window, choose Device Settings > Bluetooth



Enable Bluetooth.



<p>In StockMate on your tablet, setup a scan session. In the set up screen go to 'Hardware configurations' (Configure) and ensure the EID Reader is connected via Weigh Scales and that the WeighScales are to be connected via Bluetooth</p>	
<p>Select the 'Bluetooth' icon in the top right hand corner of the screen; select the TW5-R from the available devices and pair.</p>	
<p>Respond to the pairing request. (Note if you don't get the pairing request, unpair and re-pair to get it)</p>	

Back on the TW5-R go to Settings > Equipment Connections, **set your equipment connections** . You are aiming to have them look like this:

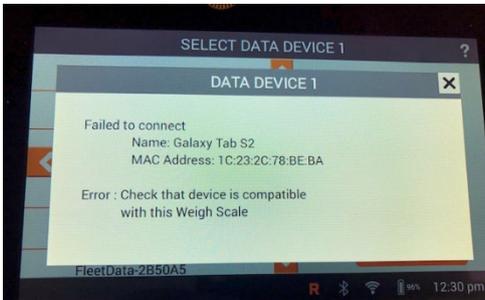


From the Equipment Connections screen, select data device 1.

Select Type – and change to Output and then choose BlueTooth.

Choosing your tablet from the list of available devices.

- **Note:** When you click ‘Connect’ for the selected device, you may see a ‘Failed to Connect’ message like the one below. This is not a cause for concern. As soon as you start the session in StockMate the Bluetooth connection will be established.



Click ‘Start Scanning’ in StockMate. On the indicator you will now see a tick next to the Paired device as the connection is established.

Go to Settings



Configure the Data Output settings as shown.

Select Save

Return to the Equipment Connections screen:

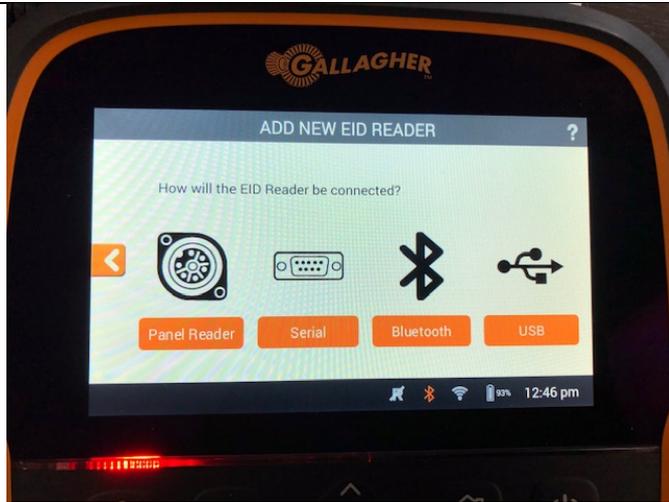
Save settings.



From Settings > Device Settings > Bluetooth: ensure that 'Data Device 1' (your tablet) has the tick next to it.



From the Equipment Connections screen choose EID Reader. Select 'Panel Reader'.



The Equipment Connections screen should now look like this.

- Note:** that at the bottom of the screen both the 'R' for the Reader and the Bluetooth icons are lit up.



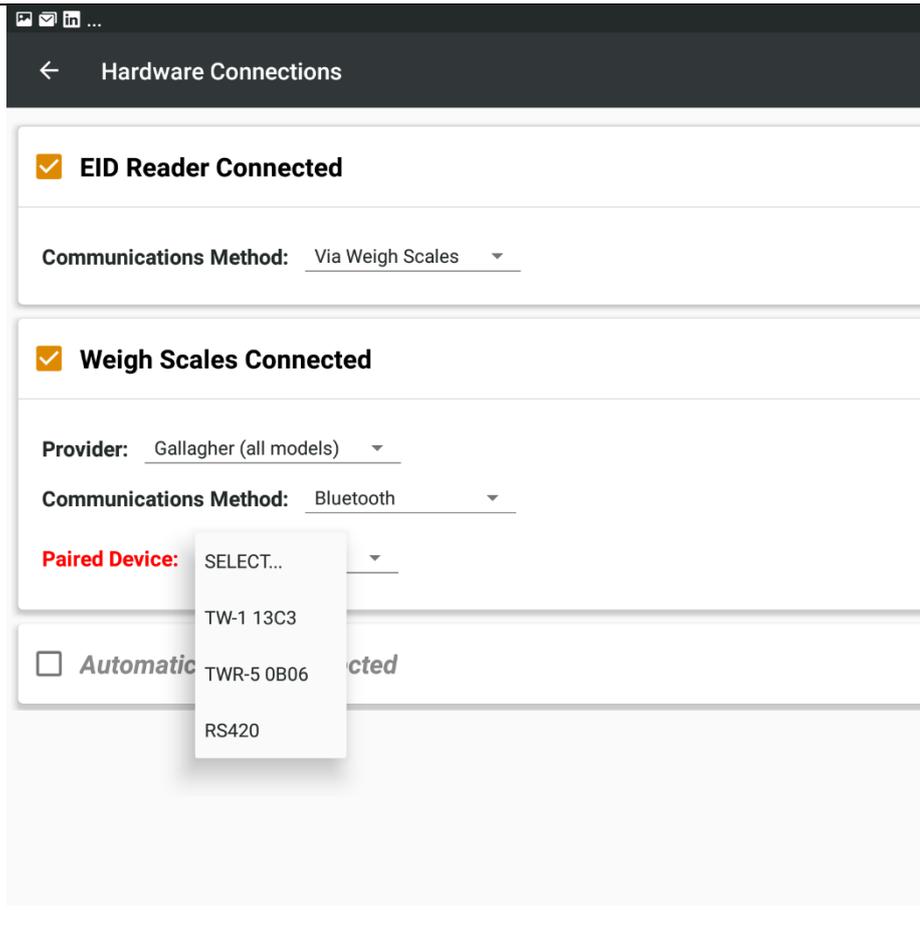
Return to the home screen on the TW5-R and commence a new session.

On StockMate, make sure the Weigh Scales Connected pane in the hardware connections screen shows your TW5-R as the Paired device.

Return to the session setup screen and choose 'Start Scanning'.

Hardware Connections buttons for EID Reader and Weigh Scales will go from red to green.

You're right to go!



## 9.5. Configuration of the Tru-Test XR5000 Scale Head to Work with StockMate

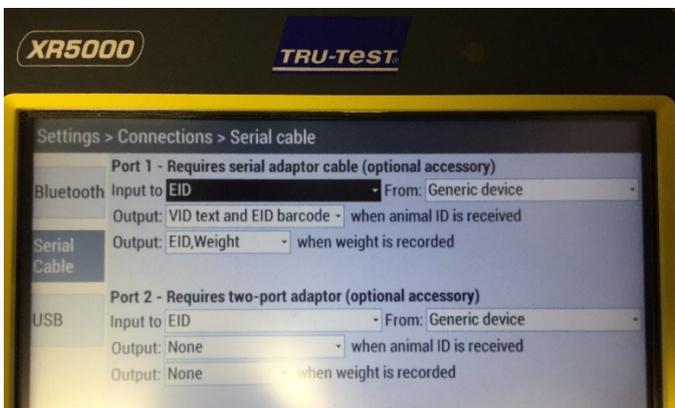
To output data from the XR5000 to StockMate on an Android Tablet.

- **Note:** Before use, check that the device has the latest firmware installed. Contact the manufacturer for details.

Pair your EID scanner to the Tru-Test XR5000 following the manufacturer’s instructions before linking the XR5000 to StockMate on your Android Tablet.

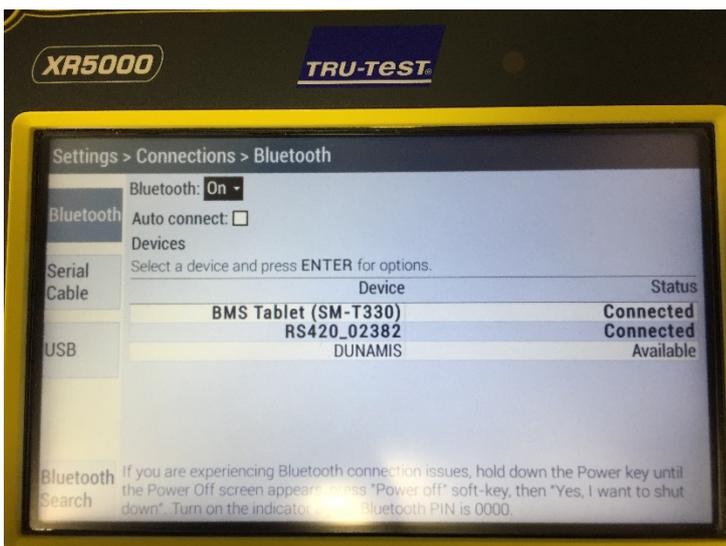
### 9.5.1. Serial Connections

Settings >> Connections >> Serial Cable



### 9.5.2. Bluetooth Connections

Settings >> Connections >> Bluetooth



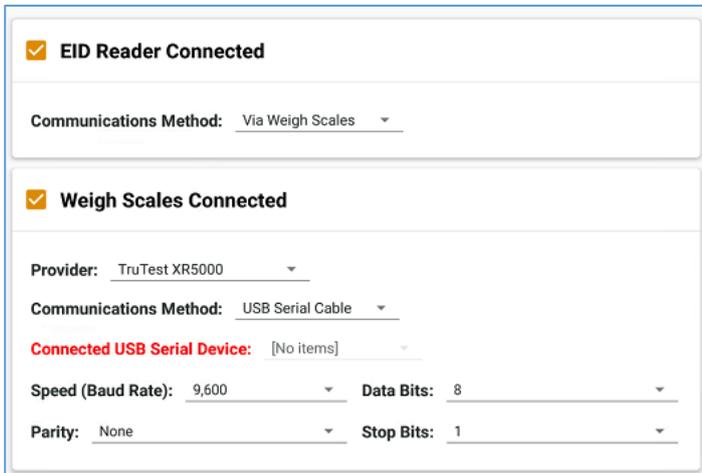
Then, open the connection to the tablet with StockMate (In this example, it is referred to as ‘BMS Tablet’ and adjust the configuration as seen below.



### 9.5.3. Within StockMate

#### 9.5.3.1. Serial

In the Session setup screen go to 'Hardware Connected' and press the 'Config' button. Configure as per the screen shot below. (Assuming that you have already paired your EID scanner to the XR5000 and that you have followed the steps above to configure the relevant connection). Select the connected device from the drop-down list.

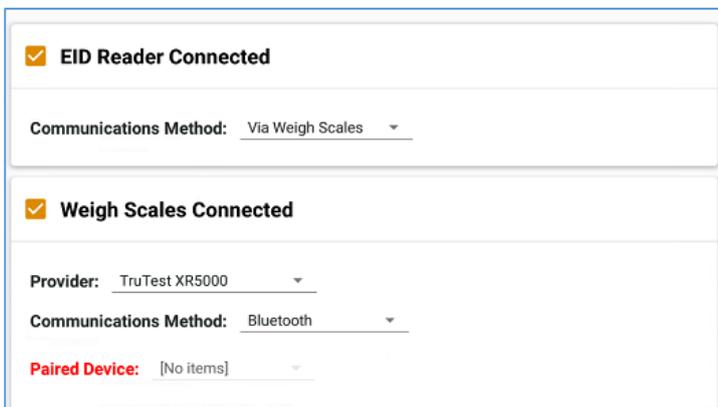


The screenshot shows a configuration window with two sections:

- EID Reader Connected:** Communications Method: Via Weigh Scales
- Weigh Scales Connected:**
  - Provider: TruTest XR5000
  - Communications Method: USB Serial Cable
  - Connected USB Serial Device: [No items]
  - Speed (Baud Rate): 9,600
  - Data Bits: 8
  - Parity: None
  - Stop Bits: 1

#### 9.5.3.2. Bluetooth

In the Session setup screen go to 'Hardware Connected' and press the 'Config' button. Configure as per the screen shot below. (Assuming that you have already paired your EID scanner to the XR5000 and that you have followed the steps above to configure the relevant connection). Select the paired device from the drop down list.



The screenshot shows a configuration window with two sections:

- EID Reader Connected:** Communications Method: Via Weigh Scales
- Weigh Scales Connected:**
  - Provider: TruTest XR5000
  - Communications Method: Bluetooth
  - Paired Device: [No items]

## 9.6. Configuration of Tru-Test XR 3000 to work with StockMate

### 9.6.1. Hardware Configuration

When working with the TruTest XR3000 scale head (indicator) and a blue tooth enabled EID reader such as the Allflex RS420, the typical process involves:

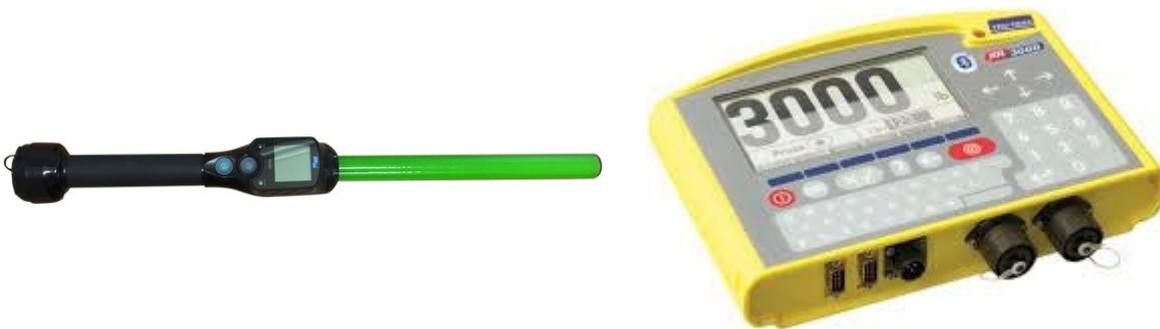
- Pairing the EID reader to the scale head so that the scale head is holding EID and weight information.
- Setting up communications between the scale head and the tablet by one of three methods (Bluetooth, Wi-Fi and USB serial cable) so that weight and EID information is transmitted to StockMate during processing.

- Editing hardware configuration on the tablet and in StockMate so that it reflects your physical setup.

### 9.6.2. Enable Bluetooth in the Tru-Test XR3000

1. Turn on the XR3000.
2. Press the Setup key. The Weighing Setup screen opens.
3. Find the double arrow >> and press the blue key underneath.
4. Find the Serial tab and press the blue key underneath.
5. The Serial Setup screen opens. Find the B.TOOTH tab and press the blue key underneath.
6. On the Bluetooth setup screen there should be a tick next to BLUETOOTH. If there is an X, then press the Enter key and use the arrow keys to change to a tick.
7. The XR3000 is now ready to be paired.

### 9.6.3. Pairing your EID reader to the indicator.



1. Turn on both devices
2. On the EID stick reader ensure:
  - a. Bluetooth is on
  - b. Authentication is on
  - c. Selected device is 'slave' (if using the Allflex RS420 stick reader in conjunction with StockMate).



Connection is typically automatic but can take up to a minute. Note that when the connection is established, the blue light on the indicator stops flashing and the blue tooth symbol on the stick reader also stops flashing.

### 9.6.4. Establish communications between the Scale Head (Indicator) and the Tablet

#### 9.6.4.1. Option 1: Wi-Fi Connection

1. Connect the scale head to the load cells (Don't plug the scale head into power supply yet)
2. Connect the Wi-Fi dongle to the serial port on the rear of the scale head
3. Power up the modem/router. (Attach to external aerial if appropriate; ensure the SIM card is inserted if internet is required)
4. Plug the scale head into the power source and power up the scale head. Switch on the indicator if it doesn't come up automatically when connected to the power source.
5. Ensure the EID reader is paired to the scale head as per the process above. (The blue Bluetooth light should have stopped flashing on the scale head and the Bluetooth symbol on the EID reader should be constant).

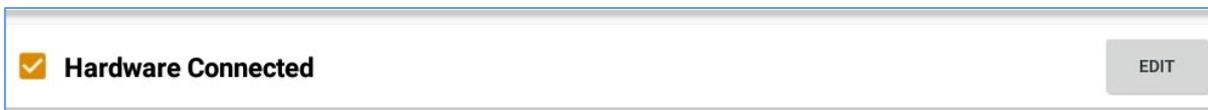


#### On the Samsung Android tablet:

1. Go to Settings >> Wi-Fi and select the Wi-Fi device. You may be prompted for a password on first usage. You should see that the Wi-Fi device is now connected.
2. Open the StockMate App and login as usual.

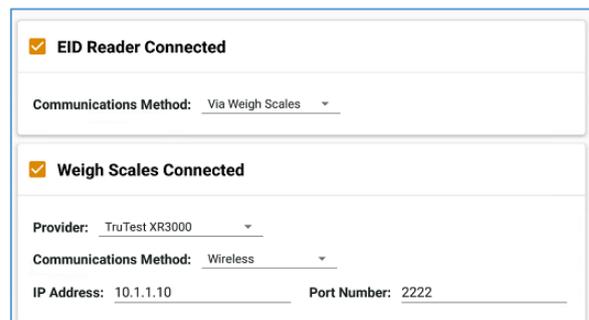
Open a New Scan Session, or an existing session.

Before scanning livestock open 'Hardware Connections' from within the Session Setup window.



Choose TruTest XR3000 as the provider; Wireless as the Communications Method and accept the default settings for IP Address (10.1.1.10) and Port Number (2222)

Ensure RFID Reader connected is via Weigh Scales



When you start scanning, ensure that both the RFID Scanner and Weight Scales connections appear in green not red.

#### 9.6.4.2. Option 2: Bluetooth Connection

Connecting the XR3000 indicator to the StockMate Tablet via Bluetooth follows a similar process to that used with the Wi-Fi indicator except that:

1. The indicator can be plugged into the power source immediately.
2. There is no need to connect the Wi-Fi dongle.



The EID stick reader still needs to be paired with the Indicator.

When setting up sessions on the tablet the following configuration is used:

**NB:** Make sure you select a paired device. This is not selected by default. The XR3000 scale heads will generally be identified by a default name of XR3000.

<input checked="" type="checkbox"/> <b>EID Reader Connected</b>	
Communications Method:	Via Weigh Scales
<input checked="" type="checkbox"/> <b>Weigh Scales Connected</b>	
Provider:	TruTest XR3000
Communications Method:	Bluetooth
Paired Device:	[No items]

Once again, when scanning starts, ensure that the connections are shown in green not red.

### 9.6.4.3. Option 3: USB Serial cable connection



Connecting the XR3000 indicator to the StockMate Tablet via USB serial cable is again similar.

Instead of connecting a Wi-Fi dongle or using a Bluetooth connection, connect the USB serial cable as seen in the images below. Note that a USB-Serial adaptor (Serial to male USB) and an on the go adaptor (female USB to Micro USB adaptor) are needed to connect to the Samsung Android tablet.



When setting up sessions on the tablet the following configuration is applied with a USB Serial cable:

<input checked="" type="checkbox"/> <b>EID Reader Connected</b>	
Communications Method:	Via Weigh Scales
<input checked="" type="checkbox"/> <b>Weigh Scales Connected</b>	
Provider:	TruTest XR3000
Communications Method:	USB Serial Cable
Connected USB Serial Device:	[No items]
Speed (Baud Rate):	9,600
Data Bits:	8
Parity:	None
Stop Bits:	1