

A NEW APPROACH TO PERFORMANCE RECORDING LUING CATTLE



Agenda

The new Luig
Weight Recording
Initiative

What do breeders
need to record

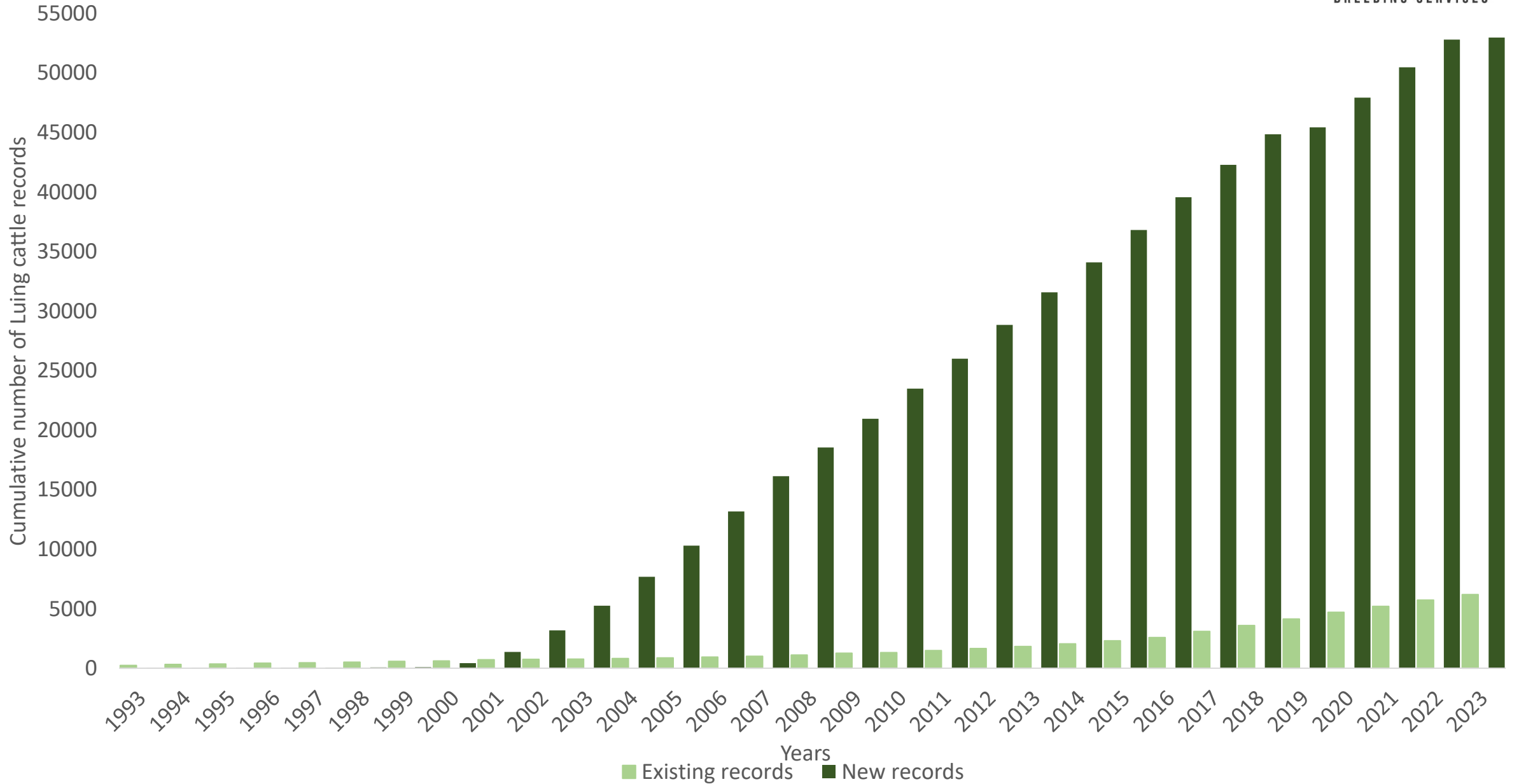
Online data entry &
deadlines

How to get
involved

Upcoming
Society Sale

Please get all
weight records
entered to Signet
by 22nd December
2023

LUING RECORDS WITHIN SIGNET'S ANALYSIS



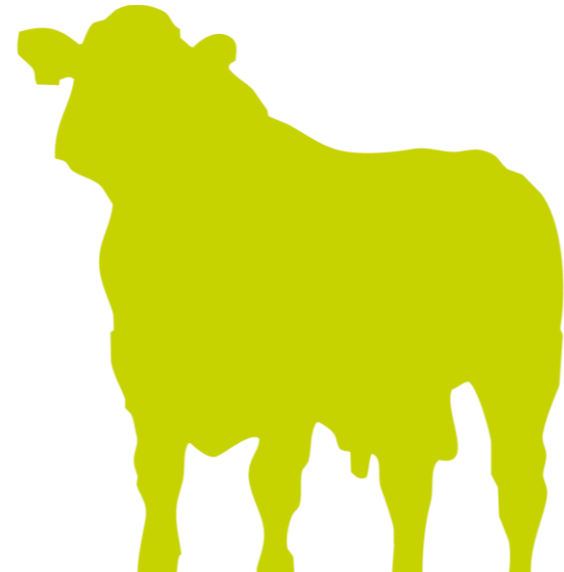
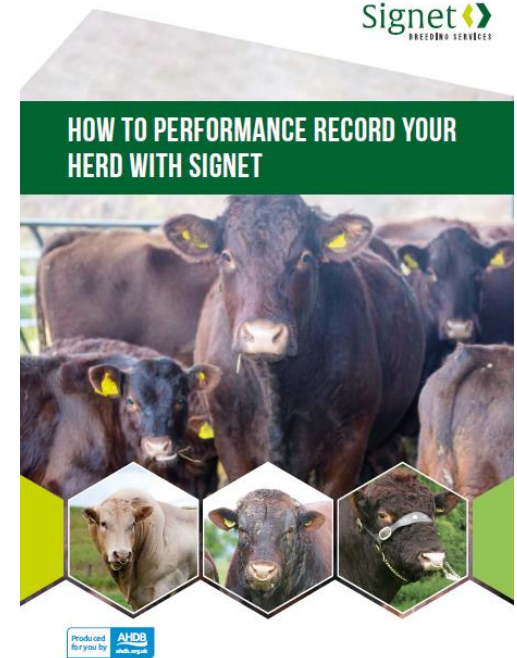
The Signet Beefbreeder Service

Beefbreeder

A performance recording service to identify animals with superior genetics through the production of breeding values

Services

- Capture data quickly and easily through online data entry
 - Including the ability to submit birth notifications back to the Society
- Improve price and clearance rates at sales
- Online breeding reports for the herd and breed
 - Including: Leading Sires / Promising Young Bulls
- Track genetic progress within the herd and breed
- Free access to inbreeding software, for making breeding decisions



How are EBVs Calculated?

- EBVs are calculated using a statistical procedure known as BLUP
 - (Best Linear Unbiased Prediction).
- BLUP separates out **genetic & environmental** (sex, age, farm etc) influences on performance
- Factors influencing an EBV include....
 - Measurements from the animal itself
 - Measurements from the animal's herd mates (known as 'contemporaries')
 - Measurements from the animal's relatives and their contemporaries
 - The degree to which one trait influences another (known as a 'correlation')
 - The degree to which each trait is passed on to the next generation (known as 'heritability')

Why Record?

1. Better breeding decisions



Using EBVs to

- Enhance calf growth rate and carcass conformation
- Reduce calving problems by selecting easier calving bulls and cows
- Improve cow performance by selecting superior cattle for milk production, reproductive performance and cow longevity

EBVs support your breeding decisions to breed superior cattle

Why Record?

2. Better marketing opportunities

Raise your herd profile in:

- ‘Beef Search’/‘EBV Search’
- Herd finder
- Breed reports
- Create breeding charts for individual animals
- Generating sale catalogues
- Advertise cattle and semen

EBVs give bull buyers the confidence to invest

The screenshot displays the Signet Breeding Services interface. At the top right, it says 'Analysis Date: 31-10-2023'. The main feature is a 'LUING Sire Summary' table with columns for Sire, Sex, Type, Birth Date, Birth Weight, Calving Ease, Maternal Value, Carcass Weight, Fat, Rib Eye, and various EBV values. Below the table, there's a 'net VEEBING SERVICES' logo and a bar chart showing '21 Day Growth' with values ranging from 0.40 to 23.00 and percentages from 36% to 78%. A 'Herd Finder' section is visible at the bottom, with a search form for 'Breed' (set to 'LUING') and 'Postcode'. A photo of a bull is also present.

**Assistance from the society
for less IT literate clients**

No paperwork
from Signet

Signet 
BREEDING SERVICES



**Link to Carcase Traits in the
National Beef Evaluation**

**Inbreeding
Software**



Online Search Facilities

Animal Search
Breeder Search / Herd
Finder
EBV Search Cattle for Sale
Cataloguing



Stationery

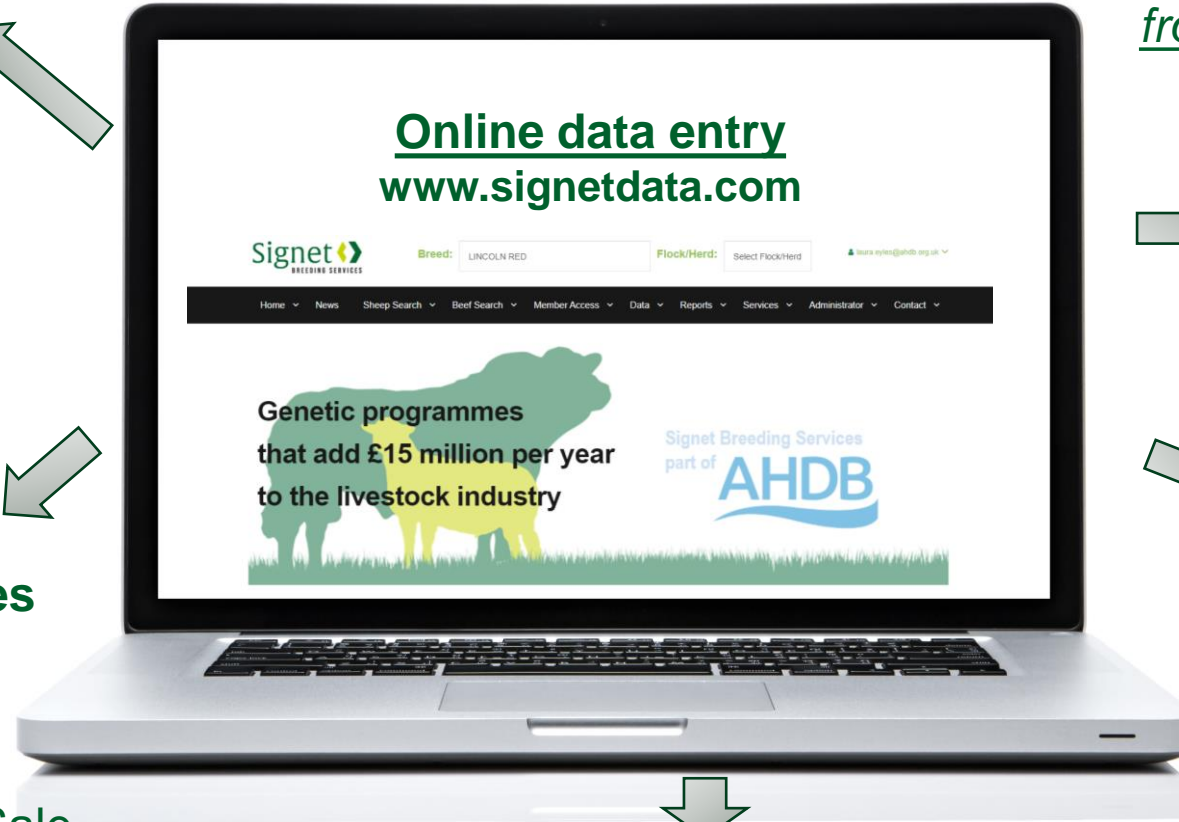
Calving forms
Beef weight sheets
Calf performance records
Census forms

Online Data Entry

Calving records
Beef Weights
• Youngstock
• Mature cows
Census
Name

Full online reporting

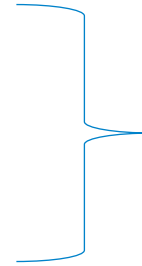
Herd Report – PDF /
Electronic
Genetic Trends
Sire Summary
Promising Young Bulls /
Heifers
Benchmark



What do recording breeders do?

Data supplied by breeders

- Calving data
 - Sire, dam, date of birth, sex
 - Optional: Birth weight / calving ease
- Weights – every 100 days
 - Management group
- *Optional*
 - *Cow weights / Scrotal Circumference*
 - *Ultrasound scanning data*



Made easy, as it will be forwarded via Grassroots



Entered by Breeder



Entered by Signet

Adding birth weight and calving ease via Grassroots

Stage 1 of 3 - Birth Details

Date of Birth:

Conception Type:

Birthing Ease:

Notes:

Sire:

Dam:

Number Born:

Gender:

Tag No:

Tattoo:

Individual Name:

Birth Weight:

To enter calving ease (birthing ease)

- 1 = No assistance
- 2 = Slight assistance
- 3 = Ropes/calving aids
- 4 = Non-surgical vet assistance
- 5 = Caesarean section
- Elective caesarean / Unknown

To enter birth weight (in kg)

When do I submit data?

(example below but will be similar in 2024)

**Additional run deadline
21st December 2023**

Breed	Data deadline	Publication date
Luing 1	13/04/2023	24/04/2023
Luing 2	01/06/2023	09/06/2023
Luing 3	19/11/2023	17/11/2023

<https://signetdata.com/technical/beef-recording/when-do-i-submit-data/>

Weighing every 100 days

What are the most important times to weigh?

- For a 200 Day Adjusted Weight
 - Weigh between 170 and 300 days of age

- For a 400 Day Adjusted Weight
 - Weigh between 370 and 500 days of age

Top tips:

- **Combine with handling/housing events**
- **Weigh all cattle & record management groups**
- **Calibrate scales**
- **Cow mature weights**

Target age (days)	One weight must be taken between these ages
100	70 – 200 days
200	170 – 300 days
300	270 – 400 days
400	370 – 500 days
500	470 - 600 days

What do recording breeders do?

Ultrasound Scanning

- Scanned between 300 and 500 days old.
 - Weighed
 - Back fat scanning at the 3rd lumbar vertebra
 - Loin eye muscle depth at 3rd lumbar vertebra
 - Back fat scanning at the 13th rib
- Allows selection based on carcass traits

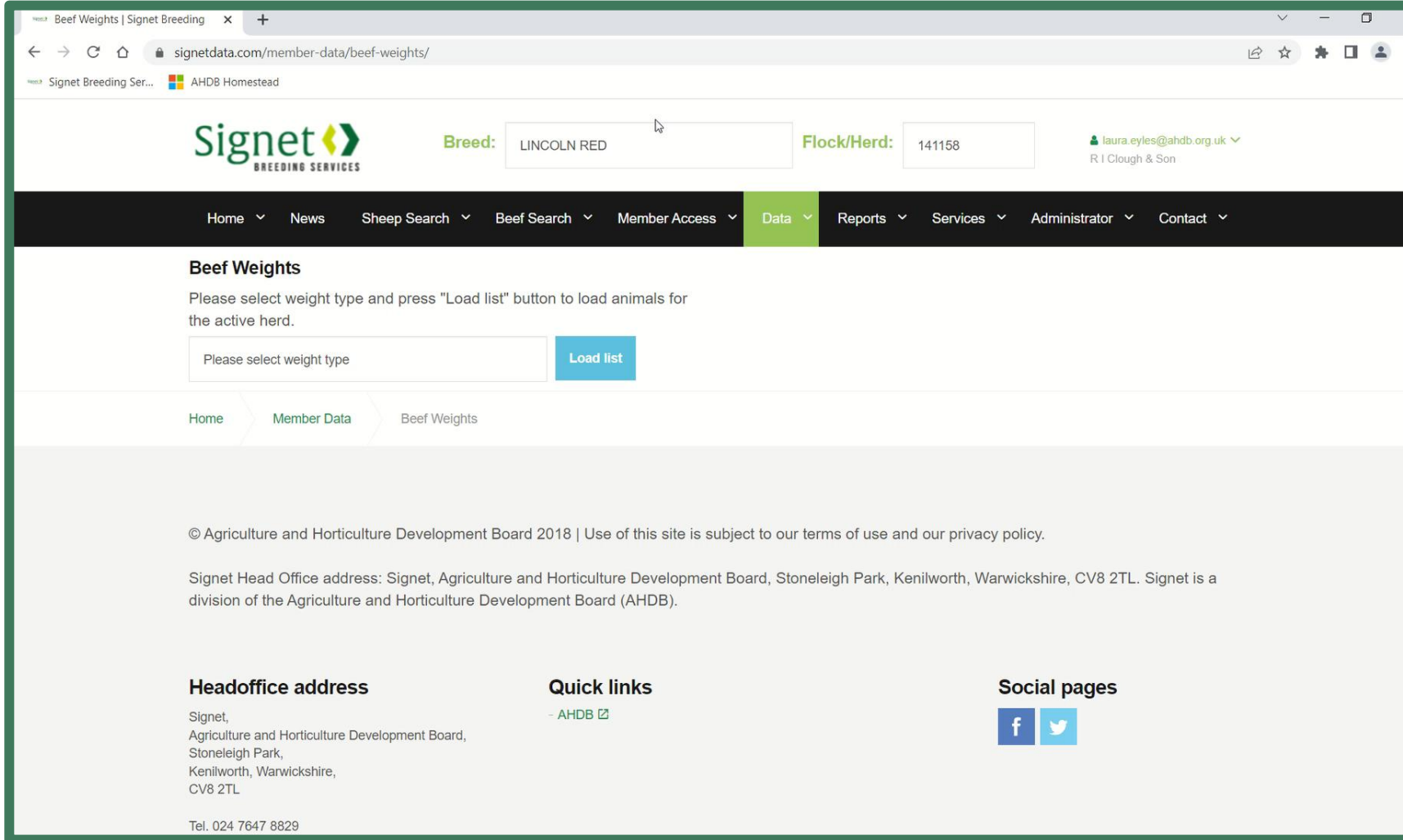


Scottish Herds: Willie Wilson
07740 611545

English Herds:
Stuart Friswell
07813369686

How to enter weights online

Signetdata.com >Login> Data > Beef Weights



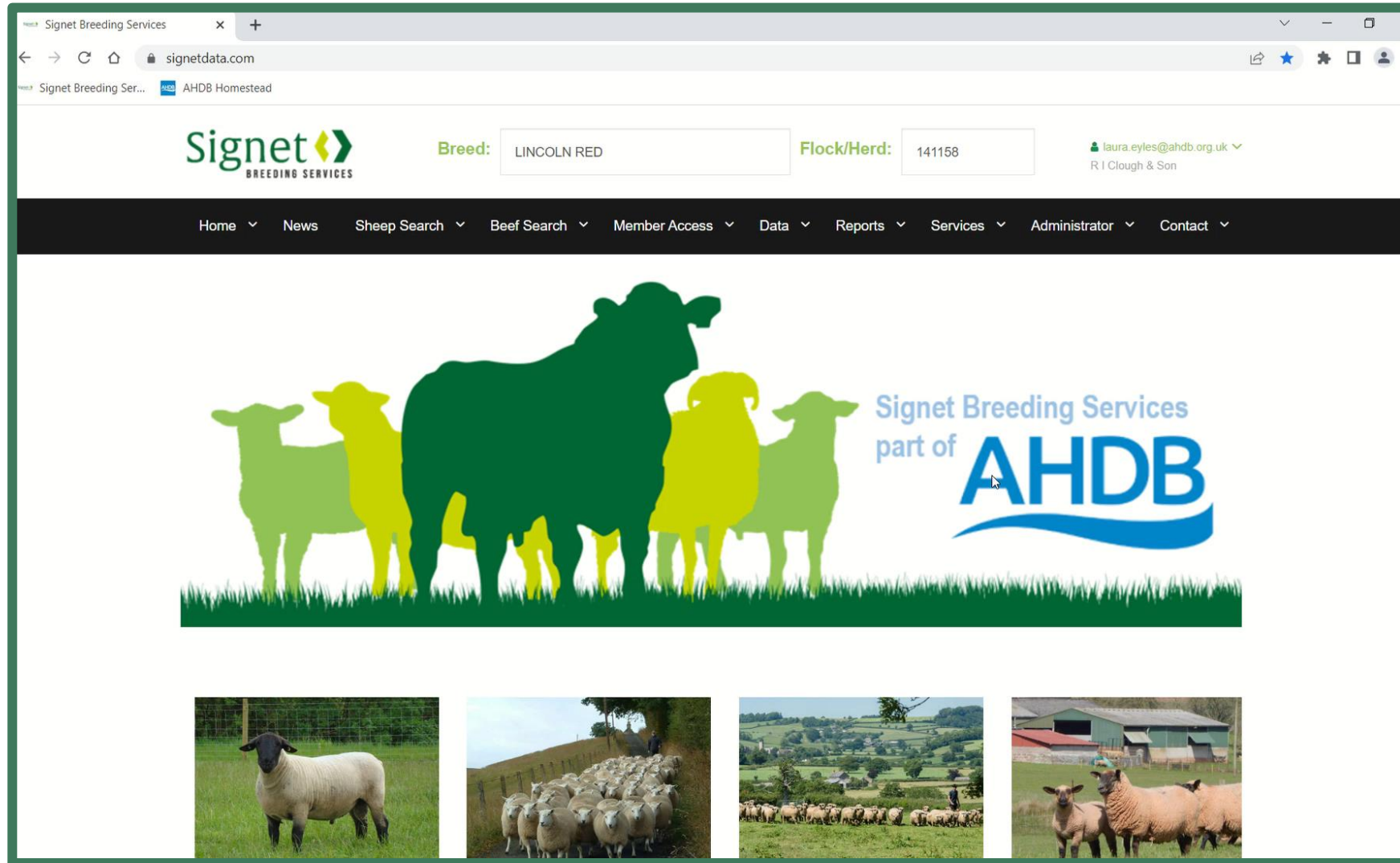
The screenshot shows a web browser window with the URL `signetdata.com/member-data/beef-weights/`. The page header features the Signet logo and the text "BREEDING SERVICES". Below the logo, there are two input fields: "Breed:" with the value "LINCOLN RED" and "Flock/Herd:" with the value "141158". To the right, there is a user profile section with the email `laura.eyles@ahdb.org.uk` and the name "R I Clough & Son".

The main navigation menu is located below the header and includes the following items: Home, News, Sheep Search, Beef Search, Member Access, Data (highlighted in green), Reports, Services, Administrator, and Contact.

The main content area is titled "Beef Weights" and contains the following text: "Please select weight type and press 'Load list' button to load animals for the active herd." Below this text is a form with a dropdown menu labeled "Please select weight type" and a blue "Load list" button.

At the bottom of the page, there is a breadcrumb trail: Home > Member Data > Beef Weights. Below the breadcrumb trail, there is a copyright notice: "© Agriculture and Horticulture Development Board 2018 | Use of this site is subject to our terms of use and our privacy policy." Below the copyright notice, there is a paragraph of text: "Signet Head Office address: Signet, Agriculture and Horticulture Development Board, Stoneleigh Park, Kenilworth, Warwickshire, CV8 2TL. Signet is a division of the Agriculture and Horticulture Development Board (AHDB)." Below this text, there are three columns of information: "Headoffice address" (Signet, Agriculture and Horticulture Development Board, Stoneleigh Park, Kenilworth, Warwickshire, CV8 2TL, Tel. 024 7647 8829), "Quick links" (AHDB), and "Social pages" (Facebook and Twitter icons).

How to use the inbreeding software



The screenshot shows a web browser window with the URL `signetdata.com`. The page features the Signet Breeding Services logo and a navigation menu with items like Home, News, Sheep Search, Beef Search, Member Access, Data, Reports, Services, Administrator, and Contact. A search bar is present with the following fields:

- Breed:** LINCOLN RED
- Flock/Herd:** 141158
- User:** laura.eyles@ahdb.org.uk (R I Clough & Son)

The main content area displays a large graphic of sheep and a cow silhouettes in shades of green and yellow, with the text "Signet Breeding Services part of AHDB". Below this graphic is a row of four small photographs showing sheep in various farm settings: a single sheep in a field, a flock of sheep on a hillside, a flock in a valley, and two sheep in front of a barn.

A Performance Recording Service for all Society members

- Full **online access** for all Society members to enter data
 - With some data coming directly from Society / Grassroots
- Full online access for all Society members to **breeding values, inbreeding software, cataloguing function, printable EBV Charts and cattle for sale.**
- No paperwork sent out by Signet, it can all be produced **online**
 - Signet will continue to be the first port of call to solve data problems
 - *For larger herds that use farm software, Signet will validate and upload electronic files*
- **Society support**
 - A single payment to fund the **initiative**, replacing the individual herd recording fees
 - Engagement in greater data exchange between Signet and the Society

New herds – How do I get started?

1. Contact Signet:– Email signet@ahdb.org.uk

We will email a contract covering issues relating to GDPR and how we use the data, we can then add your address and contact details and link your herd records to this membership account/email

2. Signet should have already obtained a copy of your herd records to pre-populate the herd

3. Head to www.signetdata.com and create an account

4. Check you records and you are good to go...



The success of the Luining Cattle Society's performance recording scheme will greatly depend on breeders working together and getting involved.

Join this season – it's free and easy to get started