

# CHAROLAIS

## WHITE GOLD FEMALES



**FRIDAY 20TH JANUARY 2023**

TO BE HELD AT

BORDERWAY MART, CARLISLE, CUMBRIA, CA1 2RS



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*Catalogue for*  
The British Charolais Cattle Society  
White Gold Sale of

# 37

## **Served/Maiden Heifers**

(SOLD UNDER THE BRITISH CHAROLAIS SOCIETY CONDITIONS OF SALE)

## **FRIDAY 20th JANUARY 2023**

### **SALE – 12.30pm**

*Front Cover - Tweedale Rosemary – sold for 18,000gns White Gold Sale 2022*



**HARRISON &  
HETHERINGTON**

*Head Office:*

**Borderway Mart Rosehill Carlisle CA1 2RS**

**Tel: 01228 406230 or 01228 406200**

E-mail: [info@borderway.com](mailto:info@borderway.com)

Website: [www.harrisonandhetherington.co.uk](http://www.harrisonandhetherington.co.uk)

# HARRISON & HETHERINGTON LTD

## NOTICE TO PURCHASERS

Business trading terms and settlement of purchases

### **Payment due on Day of Purchase**

(This will be strictly adhered to)

Interest chargeable from date of purchase at 7.25%

over Clydesdale Bank base rate at the time, for accounts in default

Purchases shall be governed by and construed in accordance with the law in  
England and Scotland

### **Accepted form of payments**

debit card, direct bank transfer; cheque - known customers only

2% surcharge will apply to Business Credit Card payments

If payment is made by credit card, it must be linked to a business bank account

Completion of a Buyers Slip is essential for parties who have not dealt  
with the Company before.

No Lots can leave the market without a 'Pass Slip' being issued by the  
main office.

New customers and or agents wishing to purchase on behalf of another party  
must contact the company's main office at Carlisle at least 48 hours prior to  
sale, to provide full details and references for authorisation

Please note that all lots/items must be settled on the day of purchase and prior  
to clearance of any stock

For the avoidance of doubt H&H reserve the right to contra or keep sale proceeds  
to offset against an outstanding account.

### **Purchasers from Outside the United Kingdom**

Invoices will be raised in pounds sterling



## IMPORTANT NOTICE TO PROSPECTIVE PURCHASERS

ALL LOTS MUST BE SETTLED ON THE DAY OF PURCHASE  
Parties who have not dealt with the company before should complete the undernoted form  
and hand it in to the auctioneers' clerk when a purchase is made.

Alternatively it can be sent to the main office in advance of the sale.

*Please fold and detach along this perforation*

SALE .....

TRADING NAME .....

PARTNERS NAMES (if applicable) .....

.....

.....

FULL POSTAL ADDRESS .....

.....

.....

.....

POSTCODE .....

TEL. NO. ....

HOLDING NO. .... FLOCK No. ....

DESTINATION DETAILS OF ANIMALS IF DIFFERENT FROM ABOVE

CPH..... POST CODE .....

[illegible]

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**BIO SECURITY RULES**  
**HARRISON & HETHERINGTON LIMITED, BORDERWAY MART, CARLISLE**  
**Notice to all Visitors and Traders**

**Please read and observe the following:**

- Excessive dirty vehicles will not be allowed entry, therefore ensure vehicle is clean before arrival.
- All vehicles transporting livestock will be subject to a documentation check before entry to market site.
- All visitors and traders must ensure they wear clean clothing and footwear before entering market site.
- All visitors and traders using car park areas please use main entrance.
- Hauliers and farmers delivering livestock must disinfect their boots before and after loading or unloading.
- Livestock purchased or unsold will not be allowed to move unless an authorised "pass slip" has been issued by the main office.
- No livestock will be allowed to remain on the premises after a sale.
- Only staff, livestock hauliers, owners or their agents are permitted to load or unload livestock.
- Wash hands thoroughly when leaving pennage areas.
- Please observe our staff's instructions at all times.

**Our on site Biosecurity Officer, will only be too pleased to give you assistance.**

**Our Heritage – Your Future**



## GENERAL INFORMATION & SALE NOTES

**LOCATION:** The Sale will be held in the Borderway Mart, Carlisle Cumbria. Motorists should leave the M6 at Junction 43 and follow CARLISLE signs. The market is on the left hand side of the road within 1/4 mile of M6.

### **TIMETABLE OF EVENTS:**

<b>Thursday 19th January</b>	Arrival of Stock	12noon - 6pm
<b>Friday 20th January</b>	Arrival of Stock	7am - 9am
	Inspection of Stock	9.00am - 10am
	Sale	12.30pm

**CONDITIONS OF SALE:** The sale will be held subject to the Auction Rules and Conditions of Sale drawn up by the British Charolais Cattle Society (based on the National Beef Association Terms and Conditions of Sale).

The pedigree information is supplied by breeders to the Society and to their best knowledge and belief, the information contained therein is true and correct. The Purchaser shall at his expense have the right to verify the parentage of his purchases and rescind the sale contract if within two months from date of sale the parentage is found to be incorrect and thereafter no claim whatsoever shall lie against the Vendor in respect of such matters.

**INSURANCE:** A representative of H & H Insurance Brokers, will be present at the sale and will be pleased to quote Purchasers for transit and other risks.

**METHOD OF SALE:** All cattle will be sold in guineas (105 pence) and strictly in catalogue order, unless any alteration is announced by the Auctioneers.

**COMMISSIONS:** The Auctioneers will dutifully execute commissions to purchase for buyers unable to attend the sale personally, upon receipt of written instructions.

**REGISTRATIONS:** All stock in the Sale are registered with the British Charolais Cattle Society.

**TRANSFERS:** Official Pedigree Transfer Certificates will be dealt with by the Auctioneers and the Breed Society as soon as possible after the Sale.

Full Pedigrees will be transferred free of charge to all MEMBERS.

**SETTLEMENT AND CLEARANCE OF STOCK:** Settlement in full is due immediately at the close of Sale. No animal may leave the Sale Premises without an official 'Pass Slip', obtainable only from the Auctioneers upon settlement.

**ANIMAL WELFARE:** Vendors and Purchasers should note the CODE OF PRACTICE published by the Livestock Auctioneers' Market Committee for England and Wales IS OPERATIVE IN BORDERWAY MART and that weakly, unhealthy or injured stock will be refused entry by the Auctioneers. Enquiries should be directed through the market office to the Auctioneers' ANIMAL HEALTH and WELFARE OFFICER (Mr Andrew Templeton).



## INFORMATION FOR VENDORS

**PRE-SALE INSPECTION:** All animals entered for sale must be available for inspection as per the timetable. A veterinary officer, appointed by the Society, will check the animals teeth and in the case of bulls, testicles measure up to the minimum BCCS standard – details below. They will also check for any contagious diseases. The officially appointed BCCS stewards will check the animals for any patent defects, such as lameness, etc. The animals will also be weighed to make sure that they comply with the Charolais Society minimum weight for age – details below.

Please ensure all cattle passport documentation is handed to the Market Sales Office upon arrival. Failure to do so or if for any reason the paperwork does not correspond to the cattle being offered for sale, such animals will not be put forward for the auction.

**SOCIETY DISCLAIMER:** "All animals are subject to a pre-sale inspection to provide a minimum standard, and animals are sold with all patent defects, and any subsequent claim after the fall of the hammer is against the vendor and not The British Charolais Cattle Society Ltd."

**IDENTIFICATION MARKS:** All cattle entered for the sale will have their UK tags examined as an integral part of the pre-sale inspection procedure. Any tags found to be faulty, incorrect or illegible will be rejected from the sale. Vendors are therefore urged, in their best interests, to examine the UK tags of sale cattle before the animals(s) leave their farm, so that faulty or missing tags can be replaced in accordance with the required Society procedures.

**DRUGS:** The use of drugs is totally banned, as undernoted:

1. Preparation for Sale. Any drug which would affect the weight for age, conformation or growth of hair.
2. Presentation for Sale. Any drug which would affect soundness or temperament at Inspection, Judging or Auction Sale.

**DNA PARENTAGE VERIFICATION:** All Charolais animals sold through BCCS auspices sales must be sire verified prior to sale.

**BVD VACCINATIONS:** All Charolais cattle sold through BCCS auspices sales must be vaccinated against BVD.

**SOCIETY RULES:** The sale will be held subject to the Auction Rules, Conditions of Sale and Special Regulations of the British Charolais Cattle Society.

**RESERVE PRICES:** Vendors shall have the right to refuse to accept the final bid for their animals. The auctioneers reserve the right to charge half commission on the amount of the final bid in the case of animals which fail to reach the Vendors reserve price.

No animal may be sold privately before being passed through the Auction Ring and FULL COMMISSION will be charged on the sale of any animal sold by private treaty after the auction. All such transactions MUST BE PASSED THROUGH THE AUCTIONEERS OFFICE.

**All animals will be sold in guineas (105 pence) and a commission of 5.25% will be charged by the Auctioneers on all sales and a further society levy of 1% will be charged.**

**STRAW:** A limited amount of bedding straw will be provided by the Auctioneers free of charge.

## THE BRITISH CHAROLAIS SOCIETY OF GREAT BRITAIN

Avenue M, National Agricultural Centre, Stoneleigh Park,  
Kenilworth Warwickshire CV8 2LZ

Tel: (02476) 697222 - Fax: (02476) 690270

## VENDORS INDEX

- R & N BARCLAY (HARESTONE) (4037) 108, 111, 112, 131**  
 SOUTH ROAD, INSCH, ABERDEENSHIRE, SCOTLAND, AB52 6XF  
 - Herd last tested clear from TB in 2021  
 - Currently on a 4 year TB testing interval  
 - Member of SRUC Premium Cattle Health Scheme  
 - Accredited free from BVD  
 - Routinely vaccinating against BVD since 2022  
 - Using Bovela  
 - Herd testing for IBR  
 - Herd testing for Lepto  
 - Johnes Status Risk Level - 2
- BRAILES LIVESTOCK (BRAILES) (5350) 122**  
 4 DEERHURST CLOSE, LITTLE COMPTON, MORETON IN MARSH, GLOUCESTERSHIRE, ENGLAND, GL56 0SR  
 - Herd last tested clear from TB in 2020  
 - Currently on a 4 year TB testing interval  
 - Member of HI Health Herdcare (NE:Biobest)  
 - Accredited free from BVD  
 - Routinely vaccinating against BVD since 2022  
 - Using Bovela  
 - Monitored free IBR  
 - Routinely vaccinating against IBR since 2022  
 - Using Hiprabovis Marker Vaccine  
 - Johnes Status Risk Level - 1  
 Declaration notes: Animals in livery with R & C Rettie, Scotland
- J H C CAMPBELL & SONS (THRUNTON) (1854) 102, 106, 110**  
 THRUNTON FARM, THRUNTON, ALNWICK, NORTHUMBERLAND, ENGLAND, NE66 4RZ  
 - Herd last tested clear from TB in 2022  
 - Currently on a 4 year TB testing interval  
 - Member of SRUC Premium Cattle Health Scheme  
 - Accredited free from BVD  
 - Routinely vaccinating against BVD since 2022  
 - Using Bovela  
 - Johnes Status Risk Level - 1
- MESSRS CURRY (BURRADON) (5129) 117, 118, 120, 121, 123**  
 LOW BURRADON, THROPTON, MORPETH, NORTHUMBERLAND, ENGLAND, NE65 7HG  
 - Herd last tested clear from TB in 2019  
 - Currently on a 4 year TB testing interval  
 - Member of SRUC Premium Cattle Health Scheme  
 - Herd testing for BVD  
 - Routinely vaccinating against BVD since 2022  
 - Using Bovela  
 - Routinely vaccinating against Lepto since 2022  
 - Using Leptavoid-H  
 - Johnes Status Risk Level - 1
- DE EVANS (MAERDY) (1146) 101, 103, 104, 105, 107**  
 MONFA, GWERNAFFIELD ROAD, MOLD, FLINTSHIRE, WALES, CH7 1RE  
 - Herd last tested clear from TB in 2022  
 - Currently on a 1 year TB testing interval  
 - Member of SRUC Premium Cattle Health Scheme  
 - Accredited free from BVD  
 - Routinely vaccinating against BVD since 2022  
 - Using Bovilis BVD  
 - Routinely vaccinating against Lepto since 2022  
 - Using Leptavoid-H  
 - Johnes Status Risk Level - 2

**MISS M T HANSON****(SILVERMERE) (8910)****113**

UPPER DRAKEMYRES FARM, FORGIE, NEAR KEITH, BANFFSHIRE, SCOTLAND, AB55 6RN

- Herd last tested clear from TB in 2020
- Currently on a 4 year TB testing interval
- Member of SRUC Premium Cattle Health Scheme
- Accredited free from BVD
- Routinely vaccinating against BVD since 2022
- Using Bovilis BVD
- Johnes Status Risk Level - 1

**LUCY HOUSTON****(GREтнаHOUSE) (200)****127, 128, 129**

GREтна HOUSE FARMS, GREтна GREEN, DUMFRIES-SHIRE, SCOTLAND, DG16 5HF

- Herd last tested clear from TB in 2020
- Currently on a 4 year TB testing interval
- Member of SRUC Premium Cattle Health Scheme
- Accredited free from BVD
- Routinely vaccinating against BVD since 2022
- Using Bovela
- Routinely vaccinating against IBR since 2022
- Using Hiprabovis Marker Vaccine
- Johnes Status Risk Level - 3

Declaration notes: Sale animals have been individually tested clear for IBR &amp; LEPTO.

**CATHERINE MACGREGOR****(MOSS) (9171)****109**

C/O R &amp; N BARCLAY, SOUTH ROAD, INSCH, ABERDEENSHIRE, SCOTLAND, AB52 6XF

- Herd last tested clear from TB in 2021
- Currently on a 4 year TB testing interval
- Member of SRUC Premium Cattle Health Scheme
- Accredited free from BVD
- Routinely vaccinating against BVD since 2022
- Using Bovela
- Herd testing for IBR
- Herd testing for Lepto
- Johnes Status Risk Level - 2

**MR R A MILNE****(ELGIN) (2253)****134, 135**

KENNIES HILLOCK, LHANBRYDE, ELGIN, MORAYSHIRE, SCOTLAND, IV30 8LJ

- Herd last tested clear from TB in 2020
- Currently on a 4 year TB testing interval
- Member of HI Health Herdcare (NE:Biobest)
- Accredited free from BVD
- Routinely vaccinating against BVD since 2023
- Herd testing for Lepto
- Johnes Status Risk Level - 2

**JACK NICOLL FARMS LIMITED****(MORNITY) (5432)****124**

C/O TODPARK FARM, ALYTH, BLAIRGOWRIE, PERTSHIRE, SCOTLAND, PH11 8LX

- Herd last tested clear from TB in 2020
- Currently on a 4 year TB testing interval
- Member of SRUC Premium Cattle Health Scheme
- Accredited free from BVD
- Herd testing for BVD
- Routinely vaccinating against BVD since 2022
- Accredited free from IBR
- Herd testing for Lepto
- Johnes Status Risk Level - 2

- |   |                                  |
|---|----------------------------------|
| <p><b>MR R A OWEN</b> (TREFALDWYN) (6444)</p> <p>LLWYN Y GOG, FOEL, WELSHPOOL, POWYS, WALES, SY21 0NU</p> <ul style="list-style-type: none"> <li>- Herd last tested clear from TB in 2022</li> <li>- Currently on a 1 year TB testing interval</li> <li>- Member of SRUC Premium Cattle Health Scheme</li> <li>- Accredited free from BVD</li> <li>- 1st Qualifier passed</li> <li>- Routinely vaccinating against BVD since 2022</li> <li>- Using Bovilis BVD</li> <li>- Johnes Status Risk Level - 2</li> </ul>         | <p><b>114, 115, 116</b></p>      |
|   |                                  |
| <p><b>MR H C STUBBS &amp; MR A A BURLEIGH</b> (DERRYHARNEY) (5180)</p> <p>48 INNISROOSK ROAD, CRUMMY, LISNASKEA, CO. FERMANAGH, NORTHERN IRELAND, BT92 0PJ</p> <ul style="list-style-type: none"> <li>- Herd last tested clear from TB in 2022</li> <li>- Currently on a 1 year TB testing interval</li> <li>- Member of AFBI Cattle Health Scheme</li> <li>- Accredited free from BVD</li> <li>- Routinely vaccinating against BVD since 2022</li> <li>- Using Bovela</li> <li>- Johnes Status Risk Level - 1</li> </ul> | <p><b>137</b></p>                |
|   |                                  |
| <p><b>MAJOR D F W H &amp; N R WALTER</b> (BALTHAYOCK) (316)</p> <p>THE GARDEN HOUSE, BALTHAYOCK, PERTH, PERTSHIRE, SCOTLAND, PH2 7LG</p> <ul style="list-style-type: none"> <li>- Herd last tested clear from TB in 2022</li> <li>- Currently on a 4 year TB testing interval</li> <li>- Member of HI Health Herdcare (NE:Biobest)</li> <li>- Accredited free from BVD</li> <li>- Routinely vaccinating against BVD since 2022</li> <li>- Using Bovela</li> <li>- Johnes Status Risk Level - 3</li> </ul>                 | <p><b>132, 133, 136</b></p>      |
|   |                                  |
| <p><b>J WATSON &amp; CO</b> (TWEEDDALE) (8602)</p> <p>BOWSDEN MOOR FARM, BOWSDEN, BERWICK UPON TWEED, NORTHUMBERLAND, ENGLAND, TD15 2TG</p> <ul style="list-style-type: none"> <li>- Herd last tested clear from TB in 2021</li> <li>- Currently on a 4 year TB testing interval</li> <li>- Member of SRUC Premium Cattle Health Scheme</li> <li>- Accredited free from BVD</li> <li>- Routinely vaccinating against BVD since 2022</li> <li>- Using Bovidec BVD</li> <li>- Johnes Status Risk Level - 1</li> </ul>       | <p><b>119, 125, 126, 130</b></p> |

Disclaimer:

The health information above is as supplied by or on behalf of the breeder at the time of the catalogue going to print. The health status of individual animals may differ from the herd declaration. The responsibility for the accuracy of the information rests solely with the breeder and not The British Charolais Cattle Society Limited.

# CATALOGUE

LOT 101 DE EVANS  
**MAERDY REALONE**  
 DNA Status: Pending  
 Myostatin: Result Pending Born 01/08/2020 UK716659500023  
 gs. LIVERPOOL (FR7923521360)  
**Sire - MAERDY OFFENBACK (MBMI0001048)**  
 gd. GRANDESTAR (FR0314081509)  
 gs. BLELACK FABULOUS (MBM0045343)  
**Dam - MAERDY NOL (MBF0079128)**  
 gd. MAERDY DEBUTANTE (MBF0041859)



LOT 102 JHC CAMPBELL & SONS  
**THRUNTON RIBBON**  
 DNA Status: PV MBF0088448  
 Myostatin: F94L-0 , Q204X-1 Born 31/08/2020 UK106935502411  
 gs. MORTIMERS ECHO (MBM0043721)  
**Sire - WESTCARSE HOUDINI (MBM0053095)**  
 gd. WESTCARSE CANDACE (MBF0035241)  
 gs. BALMYLE MAGNATE (ET) (MFET0015537)  
**Dam - THRUNTON NELLIE (MBF0076092)**  
 gd. THRUNTON JACINTHA (MBF0066385)



**Service Details:** Served by WHITECLIFFE ORWELL. PD'd in calf.

**THRUNTON RIBBON** is sired by the highly successful **Westcarse Houdini** who has bred numerous top quality bulls. **Ribbon** is from the same excellent cow family as Champion bulls **Thrunton Socrates** and **Thrunton Camelot** (25,000gns), **Thrunton Bonjovi** and **Thrunton Toronto** (11,000gns). **Whitecliffe Orwell** (service sire) is an easy calving son of 18,000gns **Thrunton Fairfax**. IBR vaccinated.

LOT 103 DE EVANS  
**MAERDY ROSEBUD**  
 DNA Status: SV MBF0094446  
 Myostatin: F94L-2 , Q204X-0 Born 02/09/2020 UK716659200027  
 gs. MAERDY DYNAMITE (MBM0037770)  
**Sire - MAERDY HEARTHROB (MBM0055445)**  
 gd. MAERDY BEAUTY (MBF0024654)  
 gs. BLELACK FABULOUS (MBM0045343)  
**Dam - MAERDY NAGASAKI (MBF0088675)**  
 gd. MAERDY ISMAILI (MBF0063624)



LOT 104 DE EVANS  
**MAERDY REALDEAL**  
 DNA Status: PV MBF0095261  
 Myostatin: F94L-1 , Q204X-0 Born 16/09/2020 UK716659700032  
 gs. HERACLES M (SEMEN ONLY) (MBMI0000888)  
**Sire - MAERDY NEVERDIERE (MBMI0001053)**  
 gd. FARAH (FR0313830660)  
 gs. KELTON TRIDENT (MBM0005387)  
**Dam - MAERDY HAWYS (MBF0058146)**  
 gd. MAERDY ELASTAR (MBF0045518)



LOT 105 DE EVANS  
**MAERDY REALFAIRY**  
 DNA Status: Result Pending  
 Myostatin: Result Pending Born 17/09/2020 UK716659100033  
 gs. UTRECHT (1822543214)  
**Sire - MAERDY GOUVERNEUR (MBMI0000758)**  
 gd. REINE (0310030012)  
 gs. BLELACK FABULOUS (MBM0045343)  
**Dam - MAERDY NEWLOOK (MBF0077987)**  
 gd. MAERDY JOYTOSEE (MBF0066260)



LOT 106 JHC CAMPBELL & SONS  
**THRUNTON RIO**  
 DNA Status: PV MBF0088558  
 Myostatin: F94L-0 , Q204X-1 Born 17/09/2020 UK106935302416  
 gs. MAERDY RESTFUL (MF0097424)  
**Sire - SOLWAYFIRTH UNION (MBM0013603)**  
 gd. MOYNESS PRECIOUS (FF0095211)  
 gs. THRUNTON GLADIATOR (MBM0051202)  
**Dam - THRUNTON NOVA (MBF0078174)**  
 gd. THRUNTON VIOLA (MBF0015523)



**Service Details:** Served by WHITECLIFFE ORWELL. PD'd in calf.

**THRUNTON RIO** is a super fleshy daughter of 11,000gns **Solwayfirth Union**, Intermediate Champion at Carlisle. **Thrunton Gladiator** (*gsire*) has bred many of the best cows in the herd. This cow family consistently produces quality fleshy commercial bulls. **Whitecliffe Orwell** (*service sire*) is an easy calving son of 18,000gns **Thrunton Fairfax**. IBR vaccinated.

LOT DE EVANS

**107 MAERDY ROBINA**

DNA Status: SV

Myostatin: F94L-1, Q204X-0 Born 20/09/2020

UK716659200034

gs. UTRECHT (1822543214)

**Sire - MAERDY GOUVERNEUR (MBMI0000758)**

gd. REINE (0310030012)

gs. BLELACK FABULOUS (MBM0045343)

**Dam - MAERDY NETTLE (MBF0078231)**

gd. MAERDY JOSIE (MBF0066264)



LOT R &amp; N BARCLAY

**108 HARESTONE ROXANNE**

DNA Status: PV

MBF0088721

Myostatin: F94L-2, Q204X-0 Born 22/09/2020

UK521516302505

gs. GRETNAHOUSE HEMAN (MBM0053282)

**Sire - GOLDIES OASIS (MBM0077710)**


gd. GOLDIES ICEQUEEN (MBF0062270)

gs. ALLANFAULD GAMBLER (MBM0052537)


**Dam - HARESTONE LIVELY (MBF0068517)**

gd. HARESTONE HYACINTH (MBF0058990)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	+2.1	-5.1	+0.0	+3.8	+39	+74	+90	+10
Accuracy	38%	33%	43%	69%	60%	56%	54%	37%
CH EBV Ratio	101	90	109	88	116	124	124	102

	Scrotal Size (cm)	Carcase Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	+0.2	+66	+6.1	-0.8	+2.5	-0.4	+75	+66
Accuracy	45%	44%	35%	43%	41%	36%	-	-
CH EBV Ratio	106		136	88	126		150	137

LOT CATHERINE MACGREGOR

**109 HARESTONE ROSEBUD**

DNA Status: PV

MBF0088722

Myostatin: F94L-1, Q204X-0 Born 30/09/2020

UK521516602508

gs. GRETNAHOUSE HEMAN (MBM0053282)

**Sire - GOLDIES OASIS (MBM0077710)**

gd. GOLDIES ICEQUEEN (MBF0062270)

gs. GOLDIES UNBEATABLE (ET) (MBM0012710)

**Dam - ALSNOW LUSCIOUS (ET) (MBF0069831)**

gd. ALSNOW VICTORIA (MBF0018310)





LOT JHC CAMPBELL &amp; SONS

**110 THRUNTON RENATA**

DNA Status: SV

MBF0088821

Myostatin: F94L-1 , Q204X-0

Born 01/11/2020

UK106935502432

gs. ELGIN JAGGER (MBM0063998)

**Sire - GLENERNAN NORTHSTAR (MBM0076073)**

gd. GLENERNAN FYNE (MBF0050114)

gs. NEWHOUSE BIGAL (MBM0023764)

**Dam - THRUNTON ETHERAL (MBF0045501)**

gd. THRUNTON MARIE (FF0081319)

**Service Details:** Served by WHITECLIFFE ORWELL. PD'd in calf.

**THRUNTON RENATA** is a quality daughter of **Glenernan Northstar**, a son of 17,000gns **Elgin Jagger**. **Thrunton Etheral** (*dam*) has bred sons to 8200gns. With the 22,000gns **Newhouse Bigal** and Perth Champion **Moncur General** in her breeding **Renata** should make an excellent breeding cow. **Whitecliffe Orwell** (*service sire*) is an easy calving son of 18,000gns **Thrunton Fairfax**. IBR vaccinated.

LOT R &amp; N BARCLAY

**111 HARESTONE ROBYN**

DNA Status: PV

MBF0089098

Myostatin: F94L-2 , Q204X-0

Born 09/12/2020

UK521516302561

gs. GREYNAHOUSE HEMAN (MBM0053282)

**Sire - GOLDIES OASIS (MBM0077710)**


gd. GOLDIES ICEQUEEN (MBF0062270)

gs. INVERLOCHY FERDIE (MBM0047992)


**Dam - HARESTONE LAKE (ET) (MBF0068497)**

gd. HARESTONE DENISE (MBF0041435)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	-2.2	+3.0	+0.5	+3.6	+39	+68	+86	+13
Accuracy	42%	37%	49%	71%	66%	61%	59%	41%
CH EBV Ratio	92	109	104	90	116	119	121	110

	Scrotal Size (cm)	Carcase Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	+0.1	+66	+6.2	-1.4	+3.2	-0.6	+72	+63
Accuracy	48%	49%	37%	45%	42%	37%	-	-
CH EBV Ratio	104		137	71	141		145	132

LOT R &amp; N BARCLAY

**112 HARESTONE ROYALAMELIE**

DNA Status: PV

MBF0089099

Myostatin: F94L-1, Q204X-1

Born 09/12/2020

UK521516402562

gs. GRETNAGHOUSE HEMAN (MBM0053282)

**Sire - GOLDIES OASIS (MBM0077710)**

gd. GOLDIES ICEQUEEN (MBF0062270)

gs. THRUNTON FEARLESS (MBM0046310)

**Dam - HARESTONE JUTTY (MBF0066481)**

gd. HARESTONE EMMA (MBF0043122)



LOT MISS MT HANSON

**113 SILVERMERE SPIRIT**

DNA Status: PV

MBF0090673

Myostatin: F94L-0, Q204X-0

Born 10/02/2021

UK531847500006

gs. BALMYLE JASPER (MBM0061526)

**Sire - ALLANFAULD NEPTUNE (MBM0074565)**


gd. ALLANFAULD HEIRESS (MBF0055878)

gs. BLELACK DIGGER (MBM0038543)


**Dam - SILVERMERE NARNIA (MBF0075714)**

gd. MARNE INSIGNIA (MBF0063310)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	+4.8	-0.6	+0.8	+2.9	+39	+66	+77	+16
Accuracy	42%	37%	55%	65%	61%	61%	67%	37%
CH EBV Ratio	106	100	101	97	117	116	114	117

	Scrotal Size (cm)	Carcass Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	+0.8	+61	+4.4	-0.3	+1.6	-0.1	+63	+63
Accuracy	42%	53%	39%	56%	50%	45%	-	-
CH EBV Ratio	119		112	103	107		129	132

LOT RA OWEN

**114 TREFALDWYN SOFIA**

DNA Status: Result Pending

MBF0090343

Myostatin: Result Pending

Born 14/02/2021

UK700944200531

gs. BLELACK FABULOUS (MBM0045343)

**Sire - MAERDY MONTYPYTHON (MBM0073917)**


gd. MAERDY GODDESS (MBF0051292)

gs. GOLDIES EDDY (MBM0042583)


**Dam - TREFALDWYN LULU (MBF0070302)**

gd. TREFALDWYN FLORA (MBF0050256)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	-4.0	-2.8	+0.8	+3.4	+34	+62	+79	+14
Accuracy	45%	40%	62%	71%	69%	63%	62%	38%
CH EBV Ratio	89	95	101	92	108	113	116	111

	Scrotal Size (cm)	Carcass Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	+1.7	+56	+4.4	+0.4	+1.2	+0.1	+57	+57
Accuracy	46%	51%	41%	55%	51%	45%	-	-
CH EBV Ratio	138		112	123	98		118	123

**MAERDY MONTYPYTHON** (*sire*) has been a tremendous sire for the herd demonstrating tremendous power in his females.

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LOT RA OWEN

**115 TREFALDWYN SATIN**

DNA Status: PV

MBF0090348

Myostatin: F94L-1 , Q204X-0

Born 06/03/2021

UK700944200538

gs. BLELACK DIGGER (MBM0038543)

**Sire - OAKCHURCH MAXIMUS (MBM0071703)**


gd. OAKCHURCH JAPONICA (ET) (MBF0066437)

gs. BLELACK BLACKBERET (MBM0026850)


**Dam - TREFALDWYN LUCY (MBF0070304)**

gd. TREFALDWYN ELLE (MBF0046878)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	-5.0	-9.9	+0.6	+3.6	+39	+66	+83	+13
Accuracy	47%	43%	63%	71%	70%	63%	62%	46%
CH EBV Ratio	87	78	103	90	117	117	119	109

	Scrotal Size (cm)	Carcass Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	+1.3	+59	+3.5	-1.0	+1.6	-0.1	+57	+49
Accuracy	46%	52%	39%	47%	45%	42%	-	-
CH EBV Ratio	129		100	82	107		118	110

**TREFALDWYN SATIN** is one of the first heifers to be offered for sale from **Oakchurch Maximus**. This sire is demonstrating tremendous 200 day and 400 day weights in his progeny on farm. On the dam's line **Major** is in the back pedigree .

LOT RA OWEN

**116 TREFALDWYN STEPHANIE**

DNA Status: Result Pending

MBF0090350

Myostatin: Result Pending

Born 09/04/2021

UK700944700543

gs. BLELACK DIGGER (MBM0038543)

**Sire - OAKCHURCH MAXIMUS (MBM0071703)**


gd. OAKCHURCH JAPONICA (ET) (MBF0066437)

gs. BLELACK DIGGER (MBM0038543)


**Dam - TREFALDWYN MEGAN (MBF0073596)**

gd. TREFALDWYN HAF (MBF0056922)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	+7.4	+0.5	+0.3	+2.0	+38	+62	+76	+13
Accuracy	48%	44%	64%	69%	70%	62%	61%	47%
CH EBV Ratio	111	103	106	106	115	112	113	109

	Scrotal Size (cm)	Carcase Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	+1.2	+61	+4.8	-0.4	+1.7	-0.1	+65	+64
Accuracy	48%	51%	40%	45%	44%	42%	-	-
CH EBV Ratio	127		118	100	109		132	134

**TREFALDWYN STEPHANIE** is a gem offered for sale, she carries 2 copies of the F94L profit gene with amazing EBV TSI +65 SRI +64.

LOT MESSRS CURRY

**117 BURRADON SAVANNAH**

DNA Status: SV

MBF0090406

Myostatin: F94L-0 , Q204X-0

Born 16/04/2021

UK107373600593

gs. LOTUS (FR06360065538)

**Sire - BURRADON PARKO (MBMI0001007)**


gd. FANTASIA (FR2350100424)

gs. PUNTABRAVA FEDERICO (MBM0045002)


**Dam - BURRADON LACEY (MBF0069054)**

gd. BURRADON FOXY (MBF0049958)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	+7.5	+3.5	-0.1	+1.2	+31	+65	+87	+11
Accuracy	35%	29%	40%	69%	67%	67%	70%	34%
CH EBV Ratio	111	110	110	113	103	115	122	105

	Scrotal Size (cm)	Carcase Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	-0.5	+64	+4.0	-0.6	+1.4	--	+69	+56
Accuracy	37%	54%	26%	30%	29%		-	-
CH EBV Ratio	92		107	94	102		139	121

LOT MESSRS CURRY  
118 **BURRADON STELLA**

DNA Status: PV

MBF0090354

Myostatin: F94L-0 , Q204X-0

Born 18/04/2021

UK107373100595

gs. DOMINO (SEMEN ONLY) (MFI1000299)

**Sire - CLENAGH LYLE (ET) (MBMI0000856)**


gd. CLENAGH TRANQUIL (IE131188170180)

gs. BLELACK IMPERIALIST (MBM0060221)


**Dam - BURRADON NIKKI (MBF0076864)**

gd. BURRADON INDIA (MBF0061409)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	-10.3	+4.4	+2.3	+4.8	+38	+53	+68	+9
Accuracy	45%	39%	54%	72%	70%	70%	72%	41%
CH EBV Ratio	77	112	86	79	114	103	107	100

	Scrotal Size (cm)	Carcase Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	-0.2	+48	+3.9	-0.2	+1.4	-0.1	+43	+40
Accuracy	44%	58%	31%	39%	36%	30%	-	-
CH EBV Ratio	98		106	106	102		94	96

LOT J WATSON & CO  
119 **TWEEDDALE SPARKLE**

DNA Status: SV

MBF0090836

Myostatin: F94L-1 , Q204X-0

Born 22/05/2021

UK107511702515

gs. GOLDIES FORMIDABLE (MBM0046715)

**Sire - GOLDIES JASPER (MBM0063179)**


gd. GOLDIES COLLETTE (MBF0035830)

gs. BLELACK BLACKBERET (MBM0026850)


**Dam - TWEEDDALE JEWELLERY (ET) (MBF0067956)**

gd. LAKENHEATH EUGENIE (MBF0044566)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	+4.9	-4.5	+0.9	+2.6	+28	+60	+71	+11
Accuracy	46%	42%	53%	71%	68%	67%	63%	47%
CH EBV Ratio	106	91	100	100	97	110	110	105

	Scrotal Size (cm)	Carcase Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	+0.6	+53	+4.6	-0.4	+1.3	-0.1	+58	+52
Accuracy	52%	56%	42%	50%	47%	44%	-	-
CH EBV Ratio	115		115	100	100		120	115

**TWEEDDALE JEWELLERY (dam)** is a full sister to the dam of **Tweeddale Lookout** which sold to Genus. From the same family as Lot 125.

LOT MESSRS CURRY

**120 BURRADON SOPHIE**

DNA Status: PV

MBF0090793

Myostatin: F94L-0, Q204X-1

Born 23/05/2021

UK107373700608

gs. LOTUS (FR06360065538)

**Sire - BURRADON PARKO (MBMI0001007)**


gd. FANTASIA (FR2350100424)

gs. DAVALLY ILLUSION (ET) (MBM0060601)


**Dam - BURRADON OLGA (MBF0080779)**

gd. BURRADON LUCY (MBF0069049)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	+10.2	+3.2	-0.1	+0.2	+26	+55	+76	+11
Accuracy	35%	28%	41%	68%	66%	66%	70%	29%
CH EBV Ratio	116	109	110	123	95	106	113	104

	Scrotal Size (cm)	Carcase Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	-0.2	+59	--	-0.8	+1.4	--	+63	+51
Accuracy	35%	53%		29%	27%		-	-
CH EBV Ratio	98			88	102		129	113

LOT MESSRS CURRY

**121 BURRADON SABRINA**

DNA Status: SV

MBF0090791

Myostatin: F94L-0, Q204X-1

Born 29/05/2021

UK107373200610

gs. DOMINO (SEMEN ONLY) (MFI1000299)

**Sire - CLENAGH LYLE (ET) (MBMI0000856)**


gd. CLENAGH TRANQUIL (IE131188170180)

gs. GWENOG BANJO (MBM0024892)


**Dam - BURRADON FOXY (MBF0049958)**

gd. BURRADON CELEBRATION (MBF0036366)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	-6.9	+5.5	+2.3	+5.9	+39	+69	+93	+8
Accuracy	49%	44%	55%	73%	70%	71%	73%	48%
CH EBV Ratio	83	115	86	68	116	120	126	97

	Scrotal Size (cm)	Carcase Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	-0.2	+61	+5.3	-0.2	+2.0	-0.2	+66	+56
Accuracy	48%	59%	35%	43%	40%	34%	-	-
CH EBV Ratio	98		125	106	115		134	121



LOT BRAILES LIVESTOCK

**122 BRAILES SAPPHIRE**

DNA Status: PV

MBF0090988

Myostatin: F94L-1, Q204X-1

Born 19/06/2021

UK548244100197

gs. WESLEY EQUINOX (MBM0043457)

**Sire - GRETNAHOUSE MING (MBM0071767)**

gd. GRETNAHOUSE IUSILLA (MBF0060631)

gs. MORTIMERS HIGHLANDFLING (MBM0053782)


**Dam - WESTCARSE MOLLY (MBF0072488)**

gd. WESTCARSE VANILLA (MBF0018080)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	+10.2	-3.5	+1.7	+2.2	+26	+50	+56	+10
Accuracy	39%	35%	51%	52%	51%	51%	48%	38%
CH EBV Ratio	116	93	92	104	95	100	98	101

	Scrotal Size (cm)	Carcase Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	+0.4	+45	+3.1	-0.2	+0.8	+0.0	+48	+44
Accuracy	44%	43%	34%	42%	39%	35%	-	-
CH EBV Ratio	111		94	106	89		103	102

LOT MESSRS CURRY

**123 BURRADON STEPHANIE**

DNA Status: PV

MBF0091332

Myostatin: F94L-0, Q204X-1

Born 28/06/2021

UK107373100616

gs. LOTUS (FR06360065538)

**Sire - BURRADON PARKO (MBMI0001007)**


gd. FANTASIA (FR2350100424)

gs. CLENAGH LYLE (ET) (MBMI0000856)


**Dam - BURRADON ODESSA (MBF0080780)**

gd. BURRADON JOANNA (MBF0065212)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	+8.4	--	+0.2	+0.3	+22	+48	+66	--
Accuracy	32%		37%	67%	63%	63%	66%	
CH EBV Ratio	113		107	122	87	98	106	

	Scrotal Size (cm)	Carcase Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	-0.5	+54	--	-0.4	--	--	+58	+49
Accuracy	32%	51%		25%			-	-
CH EBV Ratio	92			100			120	110

LOT JACK NICOLL FARMS LIMITED

**124 MORNITY SAPPHIRE**

DNA Status: PV

MBF0091214

Myostatin: F94L-0 , Q204X-1 Born 01/07/2021

UK547481400130

gs. MORTIMERS ECHO (MBM0043721)

**Sire - WESTCARSE HOUDINI (MBM0053095)**


gd. WESTCARSE CANDACE (MBF0035241)

gs. BLELACK CHALLENGER (MBM0028633)


**Dam - MORNITY LAUREN (MBF0068252)**

gd. MORNITY DAISY (MBF0036828)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	+3.9	-5.3	+1.9	+3.1	+40	+66	+76	+13
Accuracy	51%	46%	54%	70%	68%	64%	64%	51%
CH EBV Ratio	104	89	90	95	118	116	113	109

	Scrotal Size (cm)	Carcase Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	-0.6	+61	+4.0	-0.6	+1.3	+0.4	+60	+52
Accuracy	51%	54%	39%	46%	44%	39%	-	-
CH EBV Ratio	89		107	94	100		124	115

LOT J WATSON & CO

**125 TWEEDDALE SUREPRINCESS (ET)**

DNA Status: PV

MBF0092152

Myostatin: F94L-1 , Q204X-0 Born 01/08/2021

UK107511402533

gs. THRUNTON SOCRATES (MBM0000631)

**Sire - BLELACK BLACKBERET (MBM0026850)**


gd. BLELACK VAL (MBF0028125)

gs. BLELACK DIGGER (MBM0038543)


**Dam - TWEEDDALE ICEMAIDEN (ET) (MBF0062767)**

gd. LAKENHEATH EUGENIE (MBF0044566)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	+3.4	-4.9	+0.5	+3.3	+41	+81	+95	+16
Accuracy	56%	54%	57%	64%	63%	62%	61%	59%
CH EBV Ratio	103	90	104	93	120	132	128	118

	Scrotal Size (cm)	Carcase Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	+2.0	+71	+4.9	-0.4	+1.7	+0.0	+74	+74
Accuracy	60%	57%	51%	56%	54%	51%	-	-
CH EBV Ratio	144		119	100	109		148	149

**TWEEDDALE ICEMAIDEN** (*dam*) is the best cow in the herd with the highest Terminal and Self Replacing Index within the Charolais breed. **Icemaiden** has four sons working in pedigree herds.

LOT J WATSON & CO  
126 **TWEEDDALE SHEENA**

DNA Status: PV

MBF0091328 Twin

Myostatin: F94L-1, Q204X-0

Born 05/08/2021

UK107511502534

gs. GOLDIES FORMIDABLE (MBM0046715)

**Sire - GOLDIES JASPER (MBM0063179)**


gd. GOLDIES COLLETTE (MBF0035830)

gs. GOLDIES DECIDER (MBM0039517)

**Dam - TWEEDDALE NEENA (ET) (MBF0075688)**

gd. LAKENHEATH ELLEN (MBF0044567)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	+3.2	-1.3	+0.9	+3.1	+34	+63	+75	+13
Accuracy	42%	38%	49%	67%	65%	61%	58%	43%
CH EBV Ratio	103	99	100	95	108	113	113	110

	Scrotal Size (cm)	Carcass Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	+0.2	+54	+3.8	-1.6	+1.9	-0.6	+59	+51
Accuracy	49%	50%	38%	46%	43%	40%	-	-
CH EBV Ratio	106		104	65	113		122	113

**TWEEDDALE NEENA** (*dam*) is a full sister to **Nenuphar** which sold for 9000gns and a maternal sister to **Ontop** which also sold for 9000gns. **Lakenheath Ellen** (*gdam*) was the biggest Charolais cow ever to be in the herd.

LOT LUCY HOUSTON

**127 GRETNAHOUSE SOUR**

DNA Status: PV

MBF0091540 Twin

Myostatin: F94L-0 , Q204X-1

Born 04/09/2021

UK581747501358

gs. MORTIMERS ECHO (MBM0043721)

**Sire - WESTCARSE JIMMY (MBM0064341)**


gd. WESTCARSE GILL (MBF0051371)

gs. WESLEY EQUINOX (MBM0043457)


**Dam - GRETNAHOUSE ORIANA (MBF0080116)**

gd. GRETNAHOUSE HELEN (MBF0056218)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	+14.8	-2.1	+0.8	+3.8	+47	+81	+91	+10
Accuracy	47%	42%	55%	71%	68%	64%	63%	46%
CH EBV Ratio	125	97	101	88	129	132	125	102

	Scrotal Size (cm)	Carcase Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	+0.3	+68	+3.6	-0.9	+1.6	-0.2	+75	+70
Accuracy	51%	53%	40%	49%	46%	42%	-	-
CH EBV Ratio	108		101	85	107		150	143

**GRETNAHOUSE SOUR** is a very exciting **Westcarse Jimmy** daughter. **Gretnahouse Oriana** (*dam*) has had consecutive twins with a 367 interval holding to first service. A heifer that we think will make a great foundation or addition to any herd.

LOT 128 **GRETNAHOUSE STAR**

DNA Status: PV

MBF0091541

Myostatin: F94L-0 , Q204X-0

Born 09/09/2021

UK581747701360

gs. MORTIMERS ECHO (MBM0043721)

**Sire - WESTCARSE JIMMY (MBM0064341)**


gd. WESTCARSE GILL (MBF0051371)

gs. BALTHAYOCK GLADIATOR (MBM0050079)


**Dam - GRETNAHOUSE NETFLIX (MBF0080917)**

gd. GRETNAHOUSE IUSILLA (MBF0060631)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	+8.2	-6.6	-0.1	+5.5	+51	+88	+100	+12
Accuracy	47%	42%	55%	71%	68%	62%	60%	46%
CH EBV Ratio	112	86	110	72	137	139	132	108

	Scrotal Size (cm)	Carcase Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	-0.3	+70	+4.0	-0.8	+1.8	-0.1	+79	+68
Accuracy	50%	51%	38%	45%	43%	39%	-	-
CH EBV Ratio	96		107	88	111		157	140

**GRETNAHOUSE STAR**, sired by **Westcarse Jimmy**, is a big stylish heifer very much taking after her mother. **Gretnahouse Netflix** (*dam*) is by **Balthayock Gladiator** boasting an impressive pedigree which makes her half sister to the easy calving **Gretnahouse Ming**.

LOT LUCY HOUSTON

**129 GRETNAHOUSE SPRITE**

DNA Status: PV

MBF0091859 Twin

Myostatin: F94L-0 , Q204X-1

Born 08/10/2021

UK581747701374

gs. NUTHAMPSTEAD JUDAS (MBM0064505)

**Sire - LOCHEND NIGHTHAWK (MBM0074638)**


gd. LOCHEND JAKOTA (MBF0063673)

gs. WESTCARSE JIMMY (MBM0064341)


**Dam - GRETNAHOUSE ORANGINA (MBF0080183)**

gd. GRETNAHOUSE IRONBREW (MBF0062884)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	+16.2	-5.8	+0.1	+2.7	+35	+71	+81	+9
Accuracy	41%	34%	49%	69%	67%	60%	59%	37%
CH EBV Ratio	128	88	108	99	109	122	117	100

	Scrotal Size (cm)	Carcase Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	+0.2	+61	+3.5	-0.8	+1.2	+0.1	+68	+57
Accuracy	46%	48%	34%	43%	40%	35%	-	-
CH EBV Ratio	106		100	88	98		138	123

**GRETNAHOUSE SPRITE** is the first **Lochend Nighthawk** daughter to be sold. **Nighthawk** is calving extremely well and his daughters are real standouts within the herd. Reared as a twin, **Sprite** is out of a lovely **Westcarse Jimmy** daughter from the 'Drink' family.

LOT J WATSON &amp; CO

**130 TWEEDDALE SPICEGIRL (ET)**

DNA Status: PV

MBF0092150

Myostatin: F94L-1, Q204X-1

Born 24/10/2021

UK107511702550

gs. MORTIMERS ECHO (MBM0043721)

**Sire - WESTCARSE JIMMY (MBM0064341)**


gd. WESTCARSE GILL (MBF0051371)

gs. THRUNTON FAIRFAX (MBM0047633)


**Dam - TWEEDDALE MYGIRL (ET) (MBF0075334)**

gd. TWEEDDALE JADORE (MBF0067148)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	+10.5	-8.3	+0.5	+3.9	+46	+83	+90	+9
Accuracy	47%	42%	50%	57%	55%	54%	52%	43%
CH EBV Ratio	117	82	104	88	128	134	124	100

	Scrotal Size (cm)	Carcase Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	+0.2	+67	+3.0	-0.8	+1.2	-0.1	+69	+62
Accuracy	51%	47%	38%	44%	42%	39%	-	-
CH EBV Ratio	106		93	88	98		139	130

**TWEEDDALE MYGIRL** (*dam*) is a muscular easily fleshed cow that is playing an important part in building the herd. **Tweeddale Spicegirl** has two maternal brothers that are sires in pedigree herds.

LOT R &amp; N BARCLAY

**131 HARESTONE SADIEMAE (ET)**

DNA Status: PV

MBF0092239 Twin

Myostatin: F94L-0, Q204X-2

Born 02/11/2021

UK521516202693

gs. MEILLARD (SEMEN ONLY) (MFI1000276)

**Sire - PTIPRINCE (SEMEN ONLY) (MFI1000301)**


gd. JOYEUSE (7194113061)

gs. KERSKNOWE CLANSMAN (MBM0028768)


**Dam - WESTCARSE EMERALD (MBF0046582)**

gd. WESTCARSE RIBENA (FF0102959)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	-6.3	-5.5	+0.9	+3.3	+29	+51	+62	+1
Accuracy	51%	50%	56%	68%	63%	60%	60%	54%
CH EBV Ratio	84	89	100	93	99	101	103	77

	Scrotal Size (cm)	Carcase Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	-0.4	+48	+3.7	-0.6	+1.7	+0.0	+44	+36
Accuracy	48%	52%	39%	47%	44%	38%	-	-
CH EBV Ratio	94		103	94	109		96	89



LOT MAJOR DFWH &amp; NR WALTER

**132 BALTHAYOCK SUNSET**

DNA Status: PV

MBF0092008 Twin

Myostatin: F94L-0 , Q204X-0

Born 14/11/2021

UK542626604709

gs. BALTHAYOCK IMPRESSION (MBM0058661)

**Sire - BALTHAYOCK NEVADA (MBM0075481)**


gd. BALTHAYOCK DULCIE (MBF0037841)

gs. UGIE ECHO (MBM0042762)


**Dam - BALTHAYOCK LYDIA (MBF0071208)**

gd. BALTHAYOCK FROLICK (MBF0050372)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	+4.2	+2.0	+0.7	+3.8	+41	+74	+85	+14
Accuracy	43%	37%	45%	70%	67%	61%	59%	43%
CH EBV Ratio	105	106	102	88	119	125	120	113

	Scrotal Size (cm)	Carcase Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	+0.5	+62	+4.0	-0.4	+1.4	-0.2	+66	+63
Accuracy	51%	50%	38%	45%	43%	40%	-	-
CH EBV Ratio	113		107	100	102		134	132

LOT MAJOR DFWH &amp; NR WALTER

**133 BALTHAYOCK SHAMROCK**

DNA Status: PV

MBF0092010

Myostatin: F94L-1 , Q204X-1

Born 16/11/2021

UK542626204712

gs. BALBITHAN VESPASIAN (MBM0018427)

**Sire - BALTHAYOCK FERDINAND (ET) (MBM0045811)**


gd. BALTHAYOCK ROSITA (ET) (FFET0018457)

gs. BALTHAYOCK ADONIS (MBM0020431)


**Dam - BALTHAYOCK MARION (MBF0072902)**

gd. BALTHAYOCK ISMAY (MBF0062236)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	-0.4	+4.2	+1.3	+3.8	+46	+71	+86	+13
Accuracy	47%	43%	60%	72%	65%	60%	60%	49%
CH EBV Ratio	96	112	96	88	128	122	121	110

	Scrotal Size (cm)	Carcase Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	-0.2	+69	+6.5	-0.5	+2.4	-0.2	+71	+67
Accuracy	51%	50%	41%	47%	45%	42%	-	-
CH EBV Ratio	98		141	97	124		143	138

LOT RA MILNE

**134 ELGIN SAFFRON**

DNA Status: PV

MBF0092197

Myostatin: F94L-0 , Q204X-1

Born 23/11/2021

UK523358302654

gs. ROSANNA JUPITER (MBMI0000803)

**Sire - CAYLERS NOAH (MBM0072185)**


gd. CAYLERS FUDGE (MBF0050303)

gs. HARESTONE TYROL (MBMI0000301)


**Dam - ELGIN DELTA (MBF0041287)**

gd. ELGIN SIMONE (MBF0003737)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	-6.7	-7.3	+1.6	+4.9	+33	+62	+66	+9
Accuracy	45%	42%	47%	71%	68%	68%	63%	45%
CH EBV Ratio	84	84	93	78	106	112	106	98

	Scrotal Size (cm)	Carcase Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	-0.5	+46	+2.2	+0.0	+0.9	-0.3	+41	+40
Accuracy	43%	55%	41%	59%	53%	48%	-	-
CH EBV Ratio	92		82	112	91		91	96

LOT RA MILNE

**135 ELGIN SIAN**

DNA Status: PV

MBF0092186

Myostatin: F94L-0 , Q204X-1

Born 30/11/2021

UK523358502656

gs. I LOVE YOU (FR0314853500)

**Sire - HARESTONE OSCAR (MBMI0001004)**


gd. ESPERANCE (FR4477092676)

gs. WESTCARSE HOUDINI (MBM0053095)


**Dam - ELGIN MOIRA (MBF0072874)**

gd. UGIE BRIDGET (MBF0029166)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	+8.5	-3.6	+1.3	+1.1	+27	+45	+52	+7
Accuracy	38%	31%	50%	70%	67%	66%	60%	32%
CH EBV Ratio	113	93	96	114	95	95	95	95

	Scrotal Size (cm)	Carcase Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	-0.9	+49	+3.3	-0.4	+1.0	+0.5	+46	+39
Accuracy	39%	51%	36%	55%	49%	43%	-	-
CH EBV Ratio	83		97	100	93		99	94

LOT MAJOR DFWH &amp; NR WALTER

**136 BALTHAYOCK SOPRANO**

DNA Status: PV

MBF0092116

Myostatin: F94L-1 , Q204X-0

Born 04/12/2021

UK542626304727

gs. MAERDY GRENADIER (MBM0053963)

**Sire - BALTHAYOCK LOYALIST (MBM0066116)**


gd. BALTHAYOCK GLORY (ET) (MBF0052837)

gs. BALTHAYOCK IMPRESSION (MBM0058661)


**Dam - BALTHAYOCK MAY (MBF0072922)**

gd. BALTHAYOCK HOPE (MBF0057582)



	December 2022 BRITISH CHAROLAIS BREEDPLAN							
	Calving Ease Dir (%)	Calving Ease Dtrs (%)	Gest. Len. (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Milk
EBVs	+1.5	-3.5	-0.5	+5.1	+48	+80	+96	+9
Accuracy	45%	39%	48%	73%	70%	65%	65%	45%
CH EBV Ratio	99	93	114	76	132	131	129	100

	Scrotal Size (cm)	Carcass Weight (kg)	Eye Muscle Area (Sq.cm)	Fat (mm)	Retail Beef Yield	IMF %	Terminal Sire Index	Self Replacing Index
EBVs	+0.3	+64	+4.8	+0.0	+1.2	+0.0	+71	+64
Accuracy	52%	54%	41%	62%	55%	53%	-	-
CH EBV Ratio	108		118	112	98		143	134

LOT HC STUBBS &amp; AA BURLEIGH

**137 DERRYHARNEY SWEETIE**

DNA Status: PV

MBF0092289

Myostatin: F94L-0 , Q204X-1

Born 22/12/2021

UK948371305207

gs. BALMYLE BOLLINGER (MBM0026262)

**Sire - INVERLOCHY FENCER (MBM0047993)**

gd. INVERLOCHY VOLGA (MBF0019371)

gs. NEWHOUSE BIGAL (MBM0023764)

**Dam - DERRYHARNEY PICKMEUP (MBF0083527)**

gd. DERRYHARNEY MOJO (MBF0074412)



## EXPLANATORY NOTES FOR CATALOGUES

Only British Charolais BREEDPLAN EBVs can be validly compared between Charolais herds.

### ESTIMATED BREEDING VALUES (EBVS)

The EBV is the best estimate of an animal's genetic merit for that trait.

### ACCURACY

An accuracy value (Acc) is presented with every EBV and gives an indication of the amount of information that has been used in the calculation of that EBV. The higher the accuracy the lower the likelihood of change in the animal's EBV as more information is analysed for that animal or its relatives.

### CALVING EASE

Calving Ease EBVs are based on calving difficulty scores, birth weights and gestation length information. More positive EBVs are favourable and indicate easier calving.

**DIR:** Direct calving ease indicates how this animal influences the birth of its progeny. Using a bull in the Top 1% for CE direct (+16.7) is predicted to result in approximately 15% fewer assisted calvings in 2 year old heifers compared with using a bull in the Bottom 1% (-14.7). This range is predicted to be smaller in cows. **Remember that the dam's genetics and management are significant factors influencing calving ease in any mating.**

**DTRS:** Daughter's calving ease indicates how well the animal produces daughters that have easier calving.

### BIRTH AND FERTILITY

**GL:** Gestation Length EBV (days) is based on AI records. Lower (negative) GL EBVs indicate shorter gestation lengths which generally relate to easier calving and increased growth after birth.

**BWT:** Birth Weight EBV (kg) is based on the measured birth weight of animals, adjusted for dam age. The lower the value the lighter the calf at birth and the lower the likelihood of a difficult birth. This is particularly important when selecting sires for use over heifers.

**SS:** Scrotal Size EBV (cm) is an indicator of male fertility in regards to semen quality and quantity. Higher (positive) EBVs indicate higher fertility. There is also a small negative correlation with age of puberty in female progeny.

### GROWTH

**MILK:** 200-Day Milk EBV (kg) is an estimate of an animal's milking ability. For sires, this EBV is indicative of their daughter's milking ability as it affects the 200-day weight of their calves.

**200:** 200-Day Growth EBV (kg) is calculated from the weight of animals taken between 80 and 300 days of age. Values are adjusted to 200 days and for dam age. This EBV is the best single estimate of an animal's genetic merit for growth to early ages.

**400:** 400-Day Weight EBV (kg) is calculated from the weight of progeny taken between 301 and 500 days of age, adjusted to 400 days and for dam age. This EBV is the best single estimate of an animal's genetic merit for yearling weight.

**600:** 600-Day Weight EBV (kg) is calculated from the weight of progeny taken between 501 and 900 days of age, adjusted to 600 days and for dam age. This EBV is the best single estimate of an animal's genetic merit for growth beyond yearling age.

**MWT:** Mature Cow Weight EBV (kg) is an estimate of the genetic difference in cow weight at 5 years of age. Moderate or larger EBVs are generally more favourable.

## **CARCASE**

**EMA:** Eye Muscle Area EBV (cm<sup>2</sup>) estimates genetic differences in eye muscle area of a 300kg dressed carcass. More positive EBVs indicate better muscling on animals.

**FAT:** Rib Fat EBV (mm) estimates the genetic differences in fat depth at the rib in a 300kg dressed carcass. More positive EBVs indicate more subcutaneous fat and earlier maturity.

**RBV%:** Retail Beef Yield Percent EBV (%) represents total (boned out) meat yield as a percentage of a 300kg dressed carcass. A more positive EBV indicates higher percentage yield for the 300kg carcass size.

**IMF%:** Intra-muscular Fat Percent EBV (%) is an estimate of the genetic difference in the percentage of intra-muscular fat at the 12/13th rib site in a 300kg carcass. Depending on market targets, larger more positive values are generally more favourable.

## **TERMINAL INDEX**

The BCCS Terminal index is aimed at a commercial herd using Charolais bulls over large framed, mixed breed cows to breed steers and heifers to finish at 18 months of age. All progeny are destined for slaughter and no replacement females are selected from within the herd. There is some emphasis on calving ease while finishing steers at around 680 kg live weight (375 kg carcass weight) using a pasture-based production system supplemented with extra rations during the finishing phase.

Use this index in a commercial herd to produce progeny for slaughter. The index has moderate emphasis on easier calving (i.e. getting a live calf with minimal human interference) while producing calves that will then grow quickly to market specifications at around 18 months of age. The index is focused on slaughter animals and does not account for maternal traits and is therefore not suited to breeding replacement females.

If you are using smaller framed cows or heifers in your herd, then you should also put extra emphasis on a higher calving ease direct EBV when selecting a sire using this index.

## **SELF REPLACING INDEX**

The BCCS Self Replacing index is aimed at a Charolais herd breeding steers to finish at 16 months of age. Replacement females are selected from within the herd. There is some emphasis on calving ease and maternal traits while finishing steers for slaughter at around 680 kg live weight (375 kg carcass weight) using a pasture-based production system.

This Self Replacing index is also suitable to using Charolais sires over mixed breed cows where replacement females are sourced from within the herd. There may be some hybrid vigour expressed in the progeny depending on the breed type of the cows used. Therefore, you should consider placing extra emphasis on the Calving Ease EBVs (more positive) of the sire to allow for possible heavier birth weights of his calves due to hybrid vigour.

Use this index in both commercial and pedigree herds where you are balancing the requirements of selecting replacement females while also producing animals for slaughter.

**Charolais EBV ratios have been incorporated with the Estimated Breeding Values (EBV) to assist breeders in making their selection decisions when purchasing Charolais cattle. The Charolais EBV ratio for each trait shows that animal's breeding value for that trait in relation to the current published breed average. The average for each trait is 100, and the approximate range between the bottom 1% and the top 1% is between 70 and 130.**

The British Charolais BREEDPLAN Estimated Breeding Values contained in this Sale Catalogue were compiled by the Agricultural Business Research Institute (ABRI) from data supplied by the breeders. Neither the British Charolais Cattle Society nor the ABRI oversee or audit the collection of this data.

## BRITISH CHAROLAIS PERCENTILE BANDS FOR 2020 BORN CALVES

Percentile Band	Calving Ease Direct (%)	Calving Ease Daughters (%)	Gestation Length (days)	Birth Wt. (kg)	200 Day Wt. (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Mat Cow Wt (kg)	200 Day Milk (kg)	Scrotal Size (cm)	Carcass Wt. (kg)	Eye Muscle Area (sq cm)	Fat Depth (mm)	Retail Beef Yield (%)	IMF (%)	BCCS Terminal Index	BCCS Self Replacing Index
Top Value	+27.0	+12.7	-3.6	-1.9	+63	+112	+123	+121	+22	+3.2	+89	+8.1	+2.0	+4.1	+1.2	+100	+95
Top 1%	+16.7	+8.4	-1.2	-0.3	+46	+81	+97	+96	+17	+1.4	+70	+6.2	+0.5	+2.8	+0.5	+76	+71
Top 5%	+12.3	+6.1	-0.5	+0.6	+41	+70	+84	+83	+14	+0.9	+62	+5.3	+0.2	+2.3	+0.3	+67	+62
Top 10%	+9.7	+4.6	-0.3	+1.1	+38	+65	+78	+77	+13	+0.7	+58	+4.9	+0.1	+2.0	+0.2	+62	+58
Top 15%	+8.2	+3.6	-0.1	+1.4	+36	+62	+74	+73	+12	+0.5	+56	+4.6	+0.0	+1.8	+0.1	+59	+54
Top 20%	+7.0	+2.8	+0.1	+1.7	+35	+59	+71	+70	+12	+0.4	+54	+4.3	-0.1	+1.7	+0.1	+56	+52
Top 25%	+6.0	+2.2	+0.2	+1.9	+34	+57	+68	+67	+11	+0.3	+52	+4.1	-0.2	+1.6	+0.1	+54	+50
Top 30%	+5.1	+1.6	+0.3	+2.1	+33	+55	+66	+65	+11	+0.2	+51	+4.0	-0.2	+1.5	+0.0	+52	+48
Top 35%	+4.2	+1.0	+0.5	+2.2	+32	+54	+64	+63	+10	+0.1	+49	+3.8	-0.3	+1.4	+0.0	+50	+46
Top 40%	+3.4	+0.5	+0.6	+2.4	+31	+52	+62	+61	+10	+0.1	+48	+3.6	-0.3	+1.3	+0.0	+48	+44
Top 45%	+2.6	+0.0	+0.7	+2.5	+30	+51	+60	+59	+9	+0.0	+47	+3.5	-0.4	+1.3	+0.0	+47	+43
Top 50%	+1.8	-0.5	+0.8	+2.6	+29	+49	+58	+57	+9	-0.1	+45	+3.3	-0.4	+1.2	-0.1	+45	+41
Top 55%	+1.1	-1.0	+0.9	+2.8	+28	+48	+56	+55	+8	-0.1	+44	+3.2	-0.5	+1.1	-0.1	+44	+40
Top 60%	+0.3	-1.5	+1.0	+2.9	+27	+46	+55	+54	+8	-0.2	+43	+3.1	-0.5	+1.1	-0.1	+42	+38
Top 65%	-0.4	-2.1	+1.1	+3.1	+27	+45	+53	+52	+7	-0.3	+42	+3.0	-0.6	+1.0	-0.1	+41	+37
Top 70%	-1.3	-2.6	+1.3	+3.2	+26	+43	+51	+50	+7	-0.3	+40	+2.8	-0.6	+0.9	-0.2	+39	+36
Top 75%	-2.3	-3.3	+1.4	+3.4	+25	+41	+49	+48	+6	-0.4	+39	+2.7	-0.7	+0.9	-0.2	+38	+34
Top 80%	-3.3	-4.0	+1.5	+3.6	+24	+40	+47	+45	+6	-0.5	+38	+2.6	-0.7	+0.8	-0.2	+36	+32
Top 85%	-4.4	-4.9	+1.7	+3.8	+23	+38	+44	+43	+5	-0.6	+36	+2.4	-0.8	+0.7	-0.3	+35	+31
Top 90%	-6.0	-5.9	+1.9	+4.1	+21	+35	+41	+39	+5	-0.8	+35	+2.2	-0.9	+0.5	-0.3	+33	+29
Top 95%	-8.3	-7.4	+2.3	+4.5	+19	+32	+37	+35	+3	-1.0	+32	+2.0	-1.1	+0.4	-0.4	+30	+26
Top 99%	-13.0	-11.1	+3.0	+5.4	+15	+25	+28	+27	+1	-1.6	+27	+1.4	-1.4	+0.0	-0.6	+23	+21
Low Value	-26.3	-20.7	+5.1	+7.7	+9	+13	+16	+2	-4	-2.7	+18	-0.2	-2.3	-1.4	-1.2	+9	+8

## BRITISH CHAROLAIS MYSOSTATIN GUIDE

### What is Myostatin?

Myostatin is a gene that influences the production of proteins which control muscle development. When an animal is identified as having one of the mutations it means that they have inactive genes which do not control muscle growth as effectively, this can result in increased muscle mass. Currently in cattle, there are 19 known mutations of the gene and after extensive testing for the nine most common variants, we have concluded that the British Charolais cattle population only contains two - F94L & Q204X.

### Why are we testing for Myostatin?

Knowing the myostatin status of your animals will help you to select bulls with the most appropriate myostatin traits for your breeding programme. This will lead to better calving ease and help with the ever-present trend to improve carcase conformation and quality. However, it is just one tool which should be used in conjunction with the wider information available such as Estimated Breeding Values (EBV's) – which predict the performance of the animal based on its back pedigree, accurate measurements and the performance of its herd mates – and your own judgement on type and pedigree.

### How are these genes inherited?





















































All reproducing species have two copies of each gene – called alleles. If your Charolais has one copy of the myostatin variant (one allele) it is classed as **heterozygous**, if it has two copies (two allele) it is classed as **homozygous**.

**The table to below shows the chances of inheriting depending on the status of the parents:**

2 Homozygous Parents	→	100% chance of Homozygous offspring
1 Homozygous Parent 1 Heterozygous Parent	→	50% chance of Homozygous offspring 50% chance of Heterozygous offspring
1 Homozygous Parent 1 Non-carrier Parent	→	100% chance of Heterozygous offspring
2 Heterozygous Parents	→	25% chance of Homozygous offspring 50% chance of Heterozygous offspring 25% chance of non-carrying offspring
1 Heterozygous Parent 1 Non-carrier Parent	→	50% chance of Heterozygous offspring 50% chance of non-carrying offspring
2 Non-carrier Parents	→	100% chance of non-carrying offspring



Below is a quick guide to the traits that are likely to be evident in homozygous and heterozygous calves born compared to calves with no myostatin:

	Increased Beef Yield %	Increased High Value Meat Area	Reduced Carcase Fat	Reduced Subcutaneous Fat Depth	Reduced Intramuscular Fat Depth	Increased Meat Tenderness	Increased Muscle Mass	Reduced Fertility in Females	Reduced Calf Viability	Reduced Calving Ease	Increased Birth Weight	Reduced Stress Tolerance
1 x F94L (Heterozygous)												
2 x F94L (Homozygous)												
1 x Q204X (Heterozygous)												
2 x Q204X (Homozygous)												
Key	<div>     </div> <div> Less ← <span style="display: inline-block; width: 150px; border-bottom: 1px solid black; position: relative; top: -5px;"> <span style="position: absolute; left: -5px; top: -5px;">←</span> <span style="position: absolute; right: -5px; top: -5px;">→</span> </span> More </div>											

**Do you know what genes your cows are carrying?**  
**Don't forget that the bull is only half the story.**

## QR CODES

In this catalogue we have printed QR code for each animal, this will take you to the web page which will give you full information on pedigree, bar charts and photographs if available



### Step 1

Download and install a QR code app on your smartphone if you don't yet have one. Open your App Store, Market, Marketplace or App World application (for the iPhone, Android, Windows Mobile and BlackBerry platforms, respectively).

### Step 2

Search for "QR code reader," and then download and install a free app. The app should be named something to the effect of "QR Code Scanner" or "QR Scanner." There are paid versions of these kinds of apps, but the free ones work just as well.

### Step 3

Open the QR barcode app on your smartphone, and choose "scan from camera" or "scan QR code" from the main menu. A new window should open with a square in the middle of it.

### Step 4

Center the QR code in the middle of the square that's currently displayed by your QR barcode app. The app should automatically take a picture of the QR code for you when it has finished scanning the code. A new pop-up menu will appear, with the QR code information on it.

### Step 5

Click the link that was embedded in the QR code, this will direct you to the Society website.

**HEALTH AND SAFETY RULES  
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NOTICE TO ALL VISITORS AND TRADERS  
PLEASE READ AND OBSERVE  
THE FOLLOWING**

All visitors and traders on site will be responsible for ensuring that they and their employees or sub-contractors engaged by them comply with all legal requirements, including the Health and Safety At Work etc., Act 1974, The Management of Health and Safety At Work Regulations, The Provision And Use of Work Equipment Regulations, etc.

All visitors and traders will be responsible for ensuring that their operations in no way affect the integrity of the company or its fire, safety or security arrangements and in no way compromise the health and safety and welfare of other visitors to and or employees of Harrison & Hetherington.

Although it is the visitors and traders responsibility to ensure that plant, equipment and systems in work are safe, Harrison & Hetherington Limited reserve the right to ask any visitor or trader to leave the market for any breaches in the Health and Safety Rules and/or Regulations.

Vendors must inform Harrison & Hetherington Limited of any livestock due to attend the market whose temperament, behaviour or condition may call for additional precautions for its safe handling.

When loading or unloading livestock handlers must ensure that the dock and vehicle gates are securely fixed so as to prevent the escape of animals.

Traders are responsible for providing and maintaining suitable livestock handling equipment. They should ensure that livestock handlers are fit, experienced in livestock handling and familiar with the livestock in their charge.

Children must not be permitted in any area where they may be at risk from livestock or machinery.

In the case of bulls, during the period when the show/sale is open to visitors, bulls in stalls or pens should not be left unattended. If the handler is temporarily absent, arrangements should be made with another vendor, steward or member of Harrison & Hetherington staff to oversee the bull until the handler returns.

Handling of Livestock at shows and sales: Harrison & Hetherington Limited recommend that an adult person should accompany any junior person during the showing/sale of livestock in the ring and reserves the right to intervene at any point if, in the company's opinion, the person showing the livestock is at risk in undertaking that activity.

Passageways must be kept clear at all times during the auction sale. **PLEASE DO NOT STAND IN THE SALE RING ENTRANCE AND EXIT PASSAGES.**

The auction ring man escapes and refuges must be kept clear at all times.

All portable electrical equipment supplied and/or used by visitors and traders must be safe and fit for the purpose and should have a valid portable appliance test certificate.

**AUCTIONEER'S TERMS & CONDITIONS OF SALE**

(Incorporating the Auctioneer's  
Terms and Conditions )

1. The biddings to be regulated by the Auctioneers and the highest bidder, subject to the Vendor's reserve (if any), to be the purchaser. No bid shall be retracted and if any dispute should arise between two or more bidders, the Lot in dispute to be put up again and resold, or the Auctioneers may determine the dispute at their own discretion and their decision shall be final. The Auctioneers reserve the right to refuse the bid of any person without being called upon to give reason for such action.
2. The Purchaser to give his full name and dwelling place and pay for all Lots purchased immediately at the close of sale. No Lot or Lots shall be removed from the sale premises until paid for and a pass-out slip obtained from the Auctioneer's clerk but each and every Lot shall immediately at the fall of the hammer be considered as delivered and be and remain in every respect at the absolute risk and expense of the respective purchaser or purchasers thereof and shall be removed from the sale premises at the purchaser's expense. The right of property shall not pass until the full purchase price is paid.
3. Purchasers paying by cheque must be prepared, if required, to produce a banker's reference. As a result of the Money Laundering Regulations (2003) the auctioneers are unable to accept cash payments in excess of nine thousand pounds sterling for any any single or linked purchase transaction.
4. All statements in the catalogue, or made by the Auctioneers at the time of sale, also the correct identification of the animals, are the entire responsibility of the Vendors. The Auctioneers take no personal responsibility for the correctness of such statements or identities.
5. All statements in the catalogue, or any made by the Auctioneers at the time of sale relating to any veterinary or other tests are to be taken as statements of fact only. No such statements shall guarantee the purchaser of any animal against loss arising from the subsequent reaction of such animal to any test administered after the sale and the Vendors shall not be liable in any way should this occur.
6. All stock is sold subject to the Conditions of Sale recommended for use at markets by the Livestock Auctioneers' Markets Committee for England and Wales except in so far as these conflict with any Special Conditions applicable to the sale of pedigree stock, when the latter Conditions shall prevail.
7. Neither the Vendors nor the Auctioneers will be responsible for any accident or injury to persons or property, through fire or any other cause whatsoever, nor for any damage by animals prior to, during or after the sale.
8. No undertaking by the Auctioneers or their servants to take charge of any Lot or Lots after the sale or to forward them to their destination shall be held to impose upon the Auctioneers any legal obligation or vitiate any of these Conditions.
9. Inasmuch as the Auctioneers act as agents for a disclosed principal they shall not be considered personally responsible for any default on the part of either purchasers or Vendors and the remedy shall be against them only and not against the Auctioneers.
10. If these conditions are unfulfilled, the Vendors or Auctioneers shall have the power to resell the Lots, retaining any surplus and charging any deficiency and expense to the defaulter.
11. You have a right to know how we will use the information you have provided to us. We may share the information with other members of our group and may make this information available to relevant media groups and other interested parties on request. We and other members of the group may contact you by telephone, e-mail, post or fax to inform you of products or services available. If you do not want to be contacted for marketing purposes or do not wish your information to be made available to any other parties please notify us in writing.

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