LOCHEE & BERKLEY CHAROLLAIS

2nd Annual Charollais Ram Sale

High SIL Index Charollais & Charollais X
Sold by Helsman online through yourbid
On farm viewing Friday 18th November at 2pm

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2nd Annual online Charollais Ram sale
Start: Friday 25th November 7pm
Close: Thursday 1st December 8pm

Lochee & Berkley Charollais
Sil flocks 3499 & 5038

Offering

16 Charollais & Charollais X, One shear Rams
The upset price shall be $800, transfer $1500

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Foreword

It is a pleasure to welcome you to the 2nd online Annual ram sale at Lochee Genetics.
The sale is to be run online by yourbid, so you will need to register online.
We have been breeding Charollais sheep here at Lochee since 2012 with Berkley Genetics joining in 2020.

Lochee & Berkley Charollais Breeding policies.

Our focus has always been on breeding rams that will sire easy doing, early maturing lambs, that are prime off Mum and yield very well and weigh.

Heavy culling for functional sheep has always been a priority. Particularly feet and legs, which allows rams to last for many mating seasons.

A key selection tool is being fully Performances recorded with Sheep Improvement Ltd (S.I.L) and are part of the Charollais across Flock Analysis. In which we perform very well

We ultrasound scan all rams and ewe lambs, and CT scan the best of the ram lambs. All sires used are DNA tested with Shepherd Ultra and Foot scored through Lincoln University.
Thank you for taking time to view our rams and good luck with any potential purchases

Murray Smith and Nigel Jay

Sires used in Lochee & Berkley Charollais flocks in 2021.
Showing Terminal Worth and Rank from Charollais Across Flock Analysis

Lochee	684/18	2418	1
Lochee	146/20	2227	3
Lochee	178/16	1836	29
Lochee	538/19	2062	13
Waterton	B354/17	2041	14
Lochee	157/20	1981	18

Information in relation to the SIL performance data present in this catalogue.

Data presented in this catalogue on Lochee & Berkley Rams, SIL flocks 3499 & 5038 Is from SIL GE analysis No. **39705.** NZ Terminal Worth dated 4 - October -2022. The analysis periods are 1995-2022 and the number of flocks of analysis, 1382

The data presented in this catalogue was provided with the assistance of

New Zealand Sheep Breeders an approved SIL Bureau.

LOT No: 1 **Lochee Charollais** **242/21** **88%Charollais**

Sire:		Dam:		Sire of Dam	
Lochee	157/20	Lochee	597/18	Lochee	178/16

SIL PERFORMANCE DATA - SIL FLOCK 3499									
NZTW	NZTW rank	Br/Rr	TSG	TSG rank	TSM	TSM rank	WWTgBV	LEANYgBV	LW8gBV
2362	1	1/1	1423	1	821	1	6.04	0.418	11.01

L0T No: 2 **Berkley Charollais** **843/21** **84%Charollais**

Sire:		Dam:		Sire of Dam	
Lochee	538/19	Lochee	J39/18	Elite Charollais	408/16

SIL PERFORMANCE DATA - SIL FLOCK 5038									
NZTW	NZTW rank	Br/Rr	TSG	TSG rank	TSM	TSM rank	WWTgBV	LEANYgBV	LW8gBV
2012	6	1/1	1204	6	744	11	5.11	0.587	10.21

L0T No: 3 **Lochee Charollais** **289/21** **91%Charollais**

Sire:		Dam:		Sire of Dam	
Lochee	538/19	Lochee	154/19	Lochee	178/16

SIL PERFORMANCE DATA - SIL FLOCK 3499									
NZTW	NZTW rank	Br/Rr	TSG	TSG rank	TSM	TSM rank	WWTgBV	LEANYgBV	LW8gBV
2071	3	2/2	1135	12	769	6	4.9	0.518	7.75

L0T No: 4 **Berkley Charollais** **800/21** **88%Charollais**

Sire:		Dam:		Sire of Dam	
Waterton	B354/17	Lochee	J288/16	Lochee	12/13

SIL PERFORMANCE DATA - SIL FLOCK 5038									
NZTW	NZTW rank	Br/Rr	TSG	TSG rank	TSM	TSM rank	WWTgBV	LEANYgBV	LW8gBV
1967	8	1/1	1177	8	764	8	4.62	0.813	9.13

LOT No: 5 **Lochee Charollais** **209/21** **88%Charollais**

Sire:		Dam:		Sire of Dam	
Lochee	146/20	Lochee	324/17	Ashley Dene	3230/13

SIL PERFORMANCE DATA - SIL FLOCK 3499									
NZTW	NZTW rank	Br/Rr	TSG	TSG rank	TSM	TSM rank	WWTgBV	LEANYgBV	LW8gBV
1881	14	1/1	1073	20	790	4	4.85	0.506	7.39

L0T No: 6 **Lochee Charollais** **215/21** **97%Charollais**

Sire:		Dam:		Sire of Dam	
Elite Charollais	401/19	Lochee	577/18	Lochee	178/16

SIL PERFORMANCE DATA - SIL FLOCK 3499									
NZTW	NZTW rank	Br/Rr	TSG	TSG rank	TSM	TSM rank	WWTgBV	LEANYgBV	LW8gBV
1941	9	2/1	1137	11	671	25	5.44	0.343	7.6

L0T No: 7 **Lochee Charollais** **221/21** **95%Charollais**

Sire:		Dam:		Sire of Dam	
Lochee	146/20	Lochee	673/18	Ashley Dene	3209/11

SIL PERFORMANCE DATA - SIL FLOCK 3499									
NZTW	NZTW rank	Br/Rr	TSG	TSG rank	TSM	TSM rank	WWTgBV	LEANYgBV	LW8gBV
1920	10	1/1	1107	15	658	28	4.67	0.229	8.02

L0T No: 8 **Lochee Charollais** **226/21** **94%Charollais**

Sire:		Dam:		Sire of Dam	
Elite Charollais	401/19	Lochee	483/18	Elite Charollais	408/16

SIL PERFORMANCE DATA - SIL FLOCK 3499									
NZTW	NZTW rank	Br/Rr	TSG	TSG rank	TSM	TSM rank	WWTgBV	LEANYgBV	LW8gBV
1614	32	1/1	1072	21	521	42	5.28	0.354	6.59

LOT No: 9 **Lochee Charollais** **308/21** **94%Charollais**

Sire:		Dam:		Sire of Dam	
Lochee	178/16	Lochee	438/16	Ashley Dene	3230/13

SIL PERFORMANCE DATA - SIL FLOCK 3499									
NZTW	NZTW rank	Br/Rr	TSG	TSG rank	TSM	TSM rank	WWTgBV	LEANYgBV	LW8gBV
1714	22	1/1	740	47	777	5	3.45	0.426	5.21

L0T No: 10 **Lochee Charollais** **315/21** **81%Charollais**

Sire:		Dam:		Sire of Dam	
Lochee	178/16	Lochee	438/16	Ashley Dene	3230/13

SIL PERFORMANCE DATA - SIL FLOCK 3499									
NZTW	NZTW rank	Br/Rr	TSG	TSG rank	TSM	TSM rank	WWTgBV	LEANYgBV	LW8gBV
1797	18	2/2	1095	16	655	30	4.88	0.484	7.27

L0T No: 11 **Berkley Charollais** **816/21** **75%Charollais**

Sire:		Dam:		Sire of Dam	
Lochee	146/20	Lochee	J310/17	Ashley Dene	3230/13

SIL PERFORMANCE DATA - SIL FLOCK 5038									
NZTW	NZTW rank	Br/Rr	TSG	TSG rank	TSM	TSM rank	WWTgBV	LEANYgBV	LW8gBV
1723	20	1/1	1058	23	650	31	4.77	0.441	8.01

L0T No: 12 **Berkley Charollais** **821/21** **75%Charollais**

Sire:		Dam:		Sire of Dam	
Lochee	146/20	Lochee	J5/18	Lochee	178/16

SIL PERFORMANCE DATA - SIL FLOCK 5038									
NZTW	NZTW rank	Br/Rr	TSG	TSG rank	TSM	TSM rank	WWTgBV	LEANYgBV	LW8gBV
1849	15	1/1	1046	24	663	27	4.55	0.288	7.86

LOT No: 13 **Berkley Charollais** **832/21** **88%Charollais**

Sire:		Dam:		Sire of Dam	
Elite Charollais	401/19	Lochee	J689/18	Lochee	J418/16

SIL PERFORMANCE DATA - SIL FLOCK 5038									
NZTW	NZTW rank	Br/Rr	TSG	TSG rank	TSM	TSM rank	WWTgBV	LEANYgBV	LW8gBV
1512	39	2/1	930	34	532	39	4.66	0.347	6.52

L0T No: 14 **Lochee Charollais** **114/21** **88%Charollais**

Sire:		Dam:		Sire of Dam	
Lochee	178/16	Lochee	189/16	Lochee	8/15

SIL PERFORMANCE DATA - SIL FLOCK 3499									
NZTW	NZTW rank	Br/Rr	TSG	TSG rank	TSM	TSM rank	WWTgBV	LEANYgBV	LW8gBV
1656	26	1/1	700	49	799	3	3.29	0.367	5.26

L0T No: 15 **Berkley Charollais** **838/21** **84%Charollais**

Sire:		Dam		Sire of Dam	
Elite Charollais	401/19	Lochee	J298/17	Lochee	178/16

SIL PERFORMANCE DATA - SIL FLOCK 5038									
NZTW	NZTW rank	Br/Rr	TSG	TSG rank	TSM	TSM rank	WWTgBV	LEANYgBV	LW8gBV
1827	16	1/1	947	31	705	16	3.98	0.373	6.4

L0T No: 16 **Lochee Charollais** **314/21** **88%Charollais**

Sire:		Dam:		Sire of Dam	
Lochee	626/16	Lochee	200/16	Ashley Dene	3230/13

SIL PERFORMANCE DATA - SIL FLOCK 3499									
NZTW	NZTW rank	Br/Rr	TSG	TSG rank	TSM	TSM rank	WWTgBV	LEANYgBV	LW8gBV
1431	45	1/1	991	28	622	34	4.22	0.625	8.14

UNDERSTANDING SIL INFORMATION

SIL (Sheep Improvement Ltd) is the New Zealand sheep industry's performance recording and genetic evaluation database. SIL estimated breeding value (eBV) and selection index information is provided in some sale catalogue listings. These assist ram selection by giving the best estimate of genetic merit available.

INTRODUCTION TO SIL

Performance and physical appearance of animals are the result of a combination of factors; the genes they get from their parents, management such as feeding, and other effects such as age and rearing rank. To make genetic improvement we need to be able to assess how much of an animal's performance is controlled by the genes alone, as it is only the genetic component of performance that is passed on to the next generation. Visual assessment of animals - or even assessment on an individual animal's performance - can be a poor guide to the genetic merit of the animal.

SIL measures of genetic merit do not tell us everything about an animal. For example, in order to function as a sire, a ram has to be physically sound. Visual inspection of soundness should be used in conjunction with SIL figures to assess whether an animal will perform well as a sire and will produce productive progeny.

SIL terminology can look confusing if you are not used to it. The following explanations of common terms and variables can be used to interpret SIL data with reference to your breeding goals.

KEY DEFINITIONS

Estimated Breeding value (eBV): Breeding values are the best estimate of the animal's genetic value as a parent for traits. They allow rams to be compared with *all rams included in the same analysis.* This may mean all rams from the same flock or all animals in an across-flock evaluation where there are strong genetic links between the different flocks (see "Interpretation" below).

Estimated breeding values are expressed in the units the traits are measured, weight traits are in kilograms, NLB in lambs per ewe lambing.

Indexes: An index provides a summary of overall economic breeding value of animals. The economic value of each trait is summed to give a total economic value of the ram's genetics. The economic value of a trait depends on the production system, therefore a number of indexes are used to describe different systems. For example, the New Zealand Terminal Worth (NZTW) index describes a system where all progeny are slaughtered. The New Zealand Maternal Worth (NZMW) index describes a system where ewe lambs are retained as replacements for breeding with surplus lambs going to carcass production.

Sub-indexes are sometimes reported. These refer to the economic value for traits of a particular type –*e.g.* Lamb Growth *vs.* Wool *vs.* Reproduction *vs.* Meat Yield (carcass quality).
All SIL indexes are expressed as cents per ewe lambing

INTERPRETATION
eBVs and selection indexes are a function of the population in which they are calculated. In all cases they are comparable within a single flock.

For every analysis SIL sets 1995 as the benchmark year and the average genetic merit of lambs born in 1995 is set to zero. Therefore, eBVs are measures of genetic merit for a ram compared to the 1995 average for that evaluation. If two flocks had different average genetic merit in 1995 the eBVs would have to be adjusted for the difference to make them comparable

When selecting a ram that is high genetic merit it is important to first select the flock the ram was bred in. The ram should rank highly within that flock for the key traits you are interested in. Index values provide the best guide to overall genetic merit across traits.

In summary, whichever flock you decide to buy a ram from, be sure to select one that is highly ranked by SIL. This will guarantee improved genetic merit in your flock compared to using rams selected without an accurate assessment of genetic merit.

EXPLANATIONS FOR COMMONLY USED SIL DATA

ABBREVIATIONS	**DEFINITION**
gBV	gBVs (estimated breeding values) are expressed in the units the trait is measured in, and are an estimate of the value of the ram's genetic merit for the trait
gBV Accuracy	Indicates the amount of information used in the prediction of the eBV. Traits that are more heritable and more related to other traits they are predicted from have higher accuracy.
WWT gBV	Weaning weight – "lamb growth"
LW8 gBV	Body weight at 8 months of age – rates animals for post-weaning growth
FATY gBV	(Whole carcass) Fat yield – kg per kg of carcass
EMA gBV **EMAc gBV**	Eye muscle area Eye muscle area corrected for carcass weight – a measure of muscularity
FAT gBV	Weight of fat in carcass
FD gBV	Fat depth 'C'
NLB gBV	Number of lambs born
FW12 gBV	Fleece weight at 12 months of age
NZTW index (previously TSO)	New Zealand Terminal Worth is expressed in cents and is an estimate of genetic value for growth (TSG), meat yield (TSM) and survival (TSS).

NZMW index (previously DPO)	New Zealand Maternal Worth is expressed in cents and is an estimate of genetic value for number of lambs born (DPR), lamb survival (DPS), lamb growth + adult size (DPG+A), meat yield (DPM), and wool production (DPW).
Sub-indexes	Economic merit for a trait affecting farm profit e.g. Wool (DPW) or Reproduction (DPR)
NZGE	The New Zealand Genetic Evaluation (NZGE) involves all active SIL flocks, and non-active flocks that provide useful information on pedigree and performance. It objectively "compares" the performance of various traits – making it a powerful source of genetic information for commercial farmers.
Rank	Ranks represent the position in the flock-birth year cohort of rams present at weaning (for WWT eBV), at autumn LW (LW8 eBV), at scanning (meat trait eBVs, NLB eBV & indexes) and at shearing (FW12 eBV).

INTRODUCING THE NEW ZEALAND GENETIC EVALUATION (NZGE)

This year, Beef + Lamb New Zealand (B+LNZ) Genetics has launched a $450,000 upgrade of its genetic engine. As a result, ram buyers and breeders will have access to even better genetic information, when making breeding decisions.

At the core of the upgrade is the move to a single weekly New Zealand Genetic Evaluation – the NZGE. The investment means evaluations can be run more regularly and much faster, thereby feeding information back to ram breeders in a more timely fashion.

The NZGE uses all relevant data available, in all SIL flocks. Evaluations are able to draw on information, such as CT and VIA scanning, therefore providing a more accurate estimate of traits, such as carcass merit.

Results are presented in a uniform way using the NZTW and NZMW indexes, allowing farmers to directly compare rams. In a nutshell, the higher the figure, the better the ram.

SIL CONTACT DETAILS

For more information, contact SIL via email (silhelp@sil.co.nz) or freephone 0800 745 435.
SIL is part of B+LNZ Genetics and is funded by farmer levies.

beef+lamb new zealand GENETICS

NOTES

NOTES

The NZ Sheepbreeders Association has been associated with providing top genetics to commercial farmers for over 125 years.

Fostering innovation, genetic improvement, technological advances, continuity and leadership and taking the NZ Sheep Industry forward into the future.

An approved SIL bureau to meet all your performance recording needs.

Contact Nigel Jay / 021 140 7827 / nigel.jay@actrix.co.nz
www.nzsheep.co.nz

NEW ZEALAND SHEEPBREEDERS ASSOCIATION ™