CLOVEN HILLS EST. 1977

WELCOME TO CLOVEN HILLS'

SUMMER RAM LAMB SALE

THURS 19 JAN '23 *LIVE ON* AuctionsPlus *FROM 12PM*

VIEW ON-FARM FROM 9:30AM

DEPENDABLE GENETICS TO HELP YOUR SHEEP BUSINESS PERFORM FOR GENERATIONS

SALE CATALOGUE

3% REBATE TO OUTSIDE AGENTS.

MODERATELY-SIZED EWES

Fertility | Growth | Carcase | Hardiness

VIEW ON-FARM, 450 HAYDENS RD, NAREEN VIC 3315
AND THEN PURCHASE ON-LINE VIA AUCTIONSPLUS

AuctionsPlus® LAMBPLAN ASBV Nutrien Ag Solutions®

CLOVEN HILLS EST. 1977

AuctionsPlus®

LAMBPLAN ASBV

Nutrien Ag Solutions®

WELCOME TO CLOVEN HILLS'

SUMMER RAM LAMB SALE

THURSDAY, 19 JAN 2023
LIVE ON
AuctionsPlus
FROM 12PM

AT 450 HAYDENS RD, NAREEN :: ONLINE HELMSMAN AUCTION

- **LOTS 1-162 RAM LAMBS**
- **LOTS 163-167 ELITE (2021 DROP) TOP 1%**
  INCLUDING SOME EX-SIRES USED IN THE CLOVEN HILLS STUD
- **LOTS 168-200 FLOCK RAMS (2021 DROP)**
  INCLUDING ONE 50% MERINO + ONE 50% WS

There is a great selection of next generation Rams averaging 177 on the MCP+ index.
We have taken videos of all Rams and we will have these up on our website and on AuctionsPlus early prior to the Auction. Please see our Playlist on YouTube:
https://auctionsplus.com.au/auctions/sheep/cloven-hills-summer-ram-lamb-sale-2023/110021

THIS SALE WILL FOLLOW THE STANDARD AUCTIONSPLUS FORMAT ONLY, AT 12PM – THERE WILL BE NO LIVE AUCTION ON-FARM.

All rams will be penned and available for viewing on-farm from 9.30am this Thursday,19 January and food will be available. Individual iPads will be made available during the sale for anyone who wishes to be on-property for bidding.

Kate is available to assist with short-listing rams and selection criteria plus any other questions clients may have. Contact Kate by phone on 0409 784 340 or email info@clovenhills.com.au

- Kate and Chris Dorahy – Cloven Hills

Kate is available to take clients through ASBV data for rams on offer and assist with short-listing rams to suit every clients' production targets.

"The Cloven Hills rams produce a more consistent lamb, a really even line of offspring.

"Putting Cloven Hills rams over our ewes, we've been getting around 170 per cent scanning, weaning around 140 (and) we're getting a more consistent and repeatable item, with evidence in the feedback from the processor to support it.

"Due to Covid we haven't been to Cloven Hills yet, but Kate, Chris and the kids have all been here, personally delivering our rams," Rob said.

"Kate takes the time to talk about what we're seeing on the farm, what direction Cloven Hills is headed in terms of breeding objectives and how that might line up with our own production targets now and in the future."

"We have plenty of discussions with Kate around selecting sires for our ewe base; with the emphasis Kate puts on structure and feet ... the extra work in measuring and collecting data, we end up with the results, on farm.

"There's less animal health requirements ... while the first-cross ewes are still very responsive to drenches, they're a fair way behind the Composites, we drench them a lot less than the first-crosses.

"We've got a lot of confidence in Cloven Hills data collection and results ... it just ticks all the boxes."

- Rob Lindon, Aberfeldy, NSW

TOP RANKED MATERNAL GENETICS FROM MODERATELY SIZED EWES

FOCUSING ON BREEDING OBJECTIVES WORKS

The key profit drivers in prime lamb production systems are fertility, growth, stocking rate/ ewe efficiency and meat yield. These have underpinned our breeding objectives over the past 15 years. Equally important are structural soundness and resilience to enable continued performance under tough conditions over many years. Our rams and ewes have good longevity. Look at 110042 (on right) who is in the pedigree of a significant portion of the rams in this catalogue.

GENETIC GAIN - WHY?

Genetic gain is key to improving your on farm production.

Selecting the specific traits that will target your production objectives is important as your farm's genetic gain will mirror where you purchase your genetics. Genetic gain is therefore pivotal to increasing on farm profitability particularly as we have costs rising in the current inflationary environment. Cloven Hills long term gain of 3.7 MCP+ index points is 52% higher than the average database gain. In actual fact it will be higher given Cloven Hills data is included in the database average with Cloven Hills contributing 10% of the LAMBPLAN maternal database (Source: Sheep Genetics December 2022).

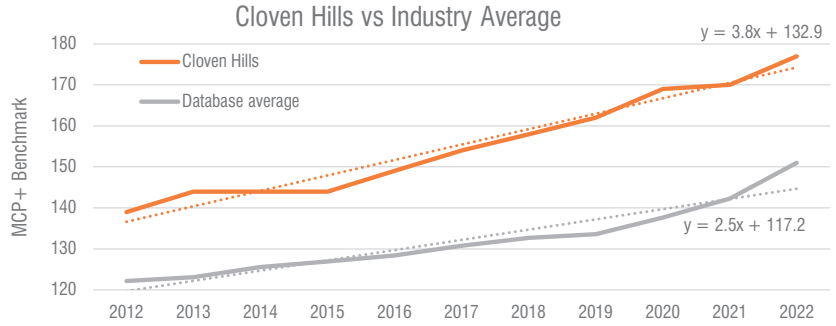


Figure 1: Cloven Hills and database average MCP+ benchmark over past 10 years from July 2022 Sheep Genetics database run. Note the 2022 benchmark for Cloven Hills is based on parent average matings and industry average is double the long-term trend

Longevity, Resilience, Structurally Sound and Repeatable Performance

Cloven Hills 110042, starting from 2012 she has raised 2,2,2,3,2,2,2,3,3,2,1 lambs, respectively.

This year we put her in our ET program and flushed 12 embryos, from which we have 10 live lambs to our top ranking sires; 202537 and 202127. This gives an exciting opportunity to modernise her with the potential to keep a son or for clients to buy a high genetic merit son. She has successfully scanned in lamb to a natural join afterwards with twins and has reared a single by 213631.

She has remained structurally sound, dag free and her condition score prior to joining was 3.3. Amazing for her age. Her average efficiencies at weaning are 218% lambs and 97% of her body weight (kg lambs/kg ewe). This genetic line is well represented in our pedigrees and across many flocks nationally. Her twin brother had 711 progeny across 5 flocks.
On figures she is top 20% for MCP+, fertility and milk.

10 YR REPORT CARD

By Dr Tom Granleese

Cloven Hills genetic gains as represented by the MCP+ index is highlighted by the orange line in Figure 1. Over the past 10 years Cloven Hills have averaged 3.8 MCP+ points genetic gain/yr. The 10-year Composite industry average is 2.5 MCP+ points gain/yr (Source: Sheep Genetics December 2022). Effectively, Cloven Hills have been improving 50% faster than the rate of industry over the past decade. Cloven Hills long-term rapid rate of genetic improvement means they have entire drops of industry leading genetics meaning all clients have access to elite rams.

Why genetic gain from your stud is important to you

When a stud you are sourcing genetics from is achieving high rates of genetic gain, it is important for you as a client:

- Your own genetic gain in key production traits follows your sourcing stud (Figure 1 on page 4). This is important to increase your on-farm profitability
- There are more rams to choose from that will increase the genetic merit of your on-farm ram battery
- More rams to choose from means you have more chances at buying rams on sale day or privately in the paddock that will progress your breeding objective

What else is Cloven Hills focusing on?

The Cloven Hills breeding program is committed to continuing to offer high genetic merit rams for their clients for key profit driving production, health and reproduction traits. Other areas of focus are:

1. Improving eating quality. Cloven Hills have invested heavily into sourcing new genetics to improve eating quality. In 2023, Cloven Hills are undertaking progeny test eating quality programs (which is very expensive ~$1500 per sire) and expect to unearth some rams that have an IMF ASBV over 1.0!). All slaughtered animals are genotyped which will facilitate better identification of future selection candidates who are genotyped to speed up IMF deposition.
2. Shedding sheep. Cloven Hills acknowledge the shortage of shearers and the increased cost of shearing. 2023 will be the start of a Cloven Hills shedding breeding program. Cloven Hills expects to offer high genetic merit, fully shedding maternal composites by 2025.
3. All males are wool tested in the aim of decreasing micron so maternal composite sheep can be "shearing cost neutral" or better. Measurements are submitted to Sheep Genetics and returned as ASBVs. You will find raw micron scores in the catalogue.
4. Commitment to research for betterment of the entire industry. Cloven Hills have been part of Satellite Resource Flocks partnering with MLA with the Eating Quality projects in 2019 and 2021. They have also been part of Satellite Resource Flocks partnering with MLA with the maternal productivity projects in 2018, 2019, 2021, 2022 and have just entered an expression of interest for another round in 2023. This round also has the exciting possibility of measuring methane on those sheep to help facilitate a dataset to create a methane breeding value.

   Finally Cloven Hills have had another six rams accepted into MLA's "Resource Flock" which measures key eating quality traits on key sires' progeny. After this intake, Cloven Hills will have contributed 23 rams into the Resource Flock and/or the Sheep CRC "Information Nucleus Flock".
5. Making semen and sires with progeny available to other studs to create better linkage across the industry.

Peter and Anna Young have previously purchased Cloven Hills rams for both Peter's family company, Glen Collin Pastoral and now for their own production, GCM Grazing.

In December they purchased 680 Cloven Hills-blood ewes at the annual sale in four lots, for GCM Grazing.

With volume production and fast-tracking the farm's genetic gain a top priority, Peter likes how "efficient" the Cloven Hills genetics are, with much lower adult weight with growth still as good, or better than most.

"Our country's quite high rainfall, because we're Summer wet, it's quite hard on sheep, higher worm burden, potential for foot problems," he said.

"The Composites are just easy management, we can breed a sheep to withstand a higher worm burden, they're not as susceptible to fly strike.

"The lambing … the mature ewes do it all themselves and the ewe lambs, depending on the season, but really don't have many issues, need minimal help.

"And the breed is so efficient, that small adult weight, good-growing lambs.

"The Cloven Hills ewes hold their condition really well, all year really.

"In a good year, you don't notice it as much, but when things get tighter, those ewes perform better.

"They just 'do' really well, they get fat, they stay fat, they milk well and they don't have to have perfect nutrition to do the job."

- Peter Young, NSW.

CLOVEN HILLS 2023 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	TAG ID	Type	Maternal Carcase Production Index MCP+	Birth Weight (BWT)	Weaning Weight (WWT)	Post Weaning Weight (PWWT)	Adult Weight (AWT)	Growth after post weaning (AWT-PWT)	Stocking Rate Dam Efficiency (%) (kg lambs weaned / kg ewe)	Dam Birth Year	Scrotal Circumference (PSC)	Weaning Rate (WR)	Yearling Weaning Rate (YWR)	Maternal Weaning Weight Milk (MWWT)	Average Dam Weaning %	Birth Type
1	1	220124	RamLmb	**185**	0.8	**11.7**	**19.9**	16.1	-19%	ET	2020	**7.2**	**0.33**	**0.56**	-1.4	ET	1
2	1	220037	RamLmb	**183**	0.5	8.8	**15.9**	12.8	-19%	ET	2020	**5.8**	**0.29**	**0.58**	-0.2	ET	1
3	1	220975	RamLmb	**177**	0.4	**10.5**	**15.7**	15.1	-4%	79%	2017	5.1	0.23	0.47	0.2	150%	2
4	2	220230	RamLmb	**190**	0.6	**12.2**	**18.5**	14.4	-22%	66%	2018	**7.1**	0.27	0.47	-0.1	175%	2
5	2	220199	RamLmb	**181**	0.6	**11.5**	**17.1**	14.8	-14%	ET	2018	**6.4**	**0.30**	0.54	-0.2	ET	1
6	2	220017	RamLmb	**180**	0.3	8.3	**15.2**	14.2	-6%	ET	2020	**6.0**	0.25	0.52	1.3	ET	1
7	3	220754	RamLmb	**184**	0.9	**12.2**	**18.4**	15.4	-16%	70%	2019	**6.7**	**0.29**	0.49	-0.3	200%	2
8	3	222872	RamLmb	**178**	0.4	7.4	13.9	11.8	-15%	ET	2018	4.5	0.22	0.50	0.7	ET	1
9	3	221169	RamLmb	**176**	0.5	**10.8**	**15.2**	14.3	-6%	70%	2018	5.3	0.24	0.41	1.3	175%	2
10	4	221254	RamLmb	**174**	0.9	**10.9**	**16.5**	14.8	-11%	83%	2013	**5.7**	0.19	0.39	0.8	171%	1
11	4	221683	RamLmb	**187**	0.8	**11.2**	**16.9**	13.4	-21%	90%	2017	**5.5**	0.28	**0.57**	**2.1**	180%	1
12	4	220001	RamLmb	**180**	0.5	9.5	**15.8**	12.5	-21%	ET	2020	**6.0**	0.27	0.54	-1.0	ET	1
13	5	220096	RamLmb	**182**	0.3	8.1	13.5	10.8	-20%	ET	2021	**5.5**	**0.29**	0.53	1.2	ET	1
14	5	221272	RamLmb	**180**	0.3	8.4	14.8	11.7	-21%	48%	2020	**5.7**	0.21	0.48	0.2	200%	1
15	5	220592	RamLmb	**185**	0.6	9.6	**15.3**	10.4	-32%	58%	2018	**5.7**	0.23	0.49	1.1	150%	2
16	6	222260	RamLmb	**179**	0.7	**10.7**	**15.7**	14.8	-6%	68%	2019	**6.7**	**0.30**	**0.61**	0.5	167%	2
17	6	220102	RamLmb	**175**	0.3	7.2	13.6	11.3	-17%	ET	2018	4.8	0.26	0.48	0.3	ET	1
18	6	220055	RamLmb	**177**	0.5	7.9	14.4	11.8	-18%	ET	2018	5.2	0.26	0.49	0.4	ET	2
19	7	221008	RamLmb	**176**	0.8	**11.5**	**18.5**	15.1	-18%	81%	2015	**5.8**	0.20	0.34	0.5	186%	2
20	7	221549	RamLmb	**181**	0.7	9.7	**16.7**	11.5	-31%	81%	2019	**6.5**	**0.29**	0.47	**1.4**	200%	2
21	7	221349	RamLmb	**185**	0.5	**10.4**	**15.3**	12.7	-17%	82%	2017	**5.6**	**0.36**	**0.62**	0.9	220%	3
22	8	220873	RamLmb	**179**	0.6	**10.6**	**15.8**	12.5	-21%	68%	2018	**6.4**	**0.29**	0.44	0.6	175%	1
23	8	221377	RamLmb	**182**	0.6	8.9	13.6	10.2	-25%	83%	2018	**5.6**	**0.29**	**0.59**	**1.4**	175%	2
24	8	221310	RamLmb	**175**	0.6	**11.2**	**15.4**	15.2	-1%	62%	2019	**5.7**	**0.33**	**0.59**	0.1	150%	1
25	9	220122	RamLmb	**182**	0.1	7.6	13.7	12.6	-8%	ET	2020	**5.7**	**0.30**	**0.59**	0.3	ET	1
26	9	220614	RamLmb	**175**	0.1	9.4	14.4	13.6	-6%	61%	2018	5.0	0.24	0.48	0.8	150%	2
27	9	220366	RamLmb	**179**	0.6	9.3	**16.0**	11.5	-28%	79%	2017	5.0	0.22	0.42	0.7	200%	2

CLOVEN HILLS 2023 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	SIRE	Fat Depth (PFAT)	Eye Muscle Depth (PEMD)	Lean Meat Yield (LMY)	Dress (%)	Intramu-scular fat (IMF)	Shear Force (5 days)	Foot Colour	Nose Colour	Face Cover	Breech Cover	Worm Egg Count (PFEC)	Dag Score	Wool Score	Mic Ave	Mic Dev	YGFW	Geno-typed	Myostatin GDF8 No. of copies
1	1	CH-150909	-1.8	0.8	**7.2**	2.2	-0.96	3.9	1	1	2	2.5	-53	1	3	32.7	0.6	10.3	2	0
2	1	CH-202520	-0.2	**2.4**	**5.8**	**3.2**	-0.84	2.3	4.5	2.5	1.5	3.5	-46	4	3.5	30.4	-1.7	6.7	2	1
3	1	CH-201897	-0.1	**2.7**	**6.4**	**3.1**	-0.98	6.3	4	2	1.5	3	**-76**	2	3.5	31.6	-0.5	-5.3	2	1
4	2	CH-202520	-0.5	**2.5**	**7.1**	**2.6**	-0.92	6.0	5	5	1	3.5	-40	4	3.5	40.3	8.2	8.1		
5	2	CH-190709	-0.6	1.6	**6.3**	**2.5**	-0.96	4.6	5	5	1.5	2	-58	0.5	3.5	31.1	-1	-5.3	2	0
6	2	C0-206718	0.1	**3.0**	4.9	**3.1**	-0.57	2.6	5	3.5	1.5	2.5	-35	0.5	3.5	34.5	2.4	6.5	2	0
7	3	CH-190123	-0.8	2.0	**6.6**	**2.7**	-0.84	3.8	5	5	1.5	2.5	-25	3	3.5	35.9	3.8	4.3		
8	3	C0-206718	**0.7**	**3.4**	5.2	**3.8**	-0.88	3.4	4	3.5	2	3.5	-56	1	3	34.4	2.3	-4.2	2	0
9	3	CH-201897	-0.4	**2.4**	**6.4**	**2.7**	-0.88	5.1	1	1.5	1	3	**-64**	3	3	31.3	-0.8	-9.2		
10	4	CH-191418	-1.1	2.2	**7.0**	2.5	-1.21	4.5	4.5	2	2.5	3.5	-53	1	3	36.6	4.5	-1.5		
11	4	CH-210242	-0.7	1.9	**6.8**	**2.6**	-0.79	4.3	3.5	3	1.5	3	-4	2	3	33.6	1.5	10.2		
12	4	CH-202520	-0.2	**2.7**	**6.2**	**3.1**	-0.89	3.4	3.5	4	2	3	-19	2.5		32.5	0.4	6.7	2	Not tested
13	5	CH-202537	0.1	**2.6**	4.9	**2.7**	-0.85	4.1	1	1	3	2	**-67**	5	3.5	33.8	1.7	7.4	2	Not tested
14	5	C0-206718	-0.1	**3.0**	**5.9**	**3.1**	-0.8	3.4	5	4.5	1	3	**-70**	2	3	31.4	-0.7	4.9		
15	5	CH-202520	-0.1	2.2	5.6	**2.7**	-0.82	4.9	5	4	2	3	**-66**	3	2	31.7	-0.4	12.0		
16	6	CH-170188	-0.6	1.9	5.5	2.3	-0.69	4.2	4.5	2	1.5	3	-30	2.5	2.5	32.5	0.4	7.1		
17	6	C0-206718	0.1	**3.1**	5.3	**3.1**	-0.42	0.8	4	4	2	3.5	-5	1.5	3	37.5	5.4	-2.7	2	0
18	6	C0-206718	0.1	**3.0**	5.5	**3.2**	-0.5	**0.5**	4	1.5	2	3	-13	1	4	35.6	3.5	-8.9	2	0
19	7	CH-200602	-0.6	1.2	**6.5**	**2.6**	-0.49	3.7	4	2	1.5	3	**-72**	1	3	Not tested		2.4		
20	7	CH-150909	-1.3	0.8	**6.1**	1.9	-0.71	3.6	3	1	2	3.5	-22	0.5	2	26.2	-5.9	7.9		
21	7	CH-213631	-0.7	1.5	**5.9**	2.4	-0.81	4.9	3	2	1.5	2	-59	3	3	29.2	-2.9	1.3		
22	8	CH-191418	-0.5	1.8	**5.9**	2.3	-0.91	5.0	4	2	2	3.5	-11	1	3	42	9.9	5.8		
23	8	CH-202520	-0.6	2.0	5.3	2.1	-0.65	2.2	5	4	1	3	-49	3	3	35.4	3.3	12.6		
24	8	CH-202127	-1.0	2.0	**6.9**	2.3	-1	6.2	4.5	4	1.5	3.5	-11	3	2.5	30.8	-1.3	-7.9		
25	9	C0-206718	**0.8**	**3.5**	4.5	**3.4**	-0.65	1.8	3.5	5	2	3	-58	1	2.5	Not tested		-0.7	2	Not tested
26	9	CH-201897	0.3	**2.5**	5.5	**3.0**	-0.68	4.5	1	1.5	2	3	**-77**	3	3	29.3	-2.8	-7.1		
27	9	CH-200602	-0.2	1.7	5.4	**2.8**	-0.33	2.6	3.5	3	2.5	4	**-76**	0.5	2.5	33.9	1.8	6.2		

CLOVEN HILLS 2023 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	TAG ID	Type	Maternal Carcase Production Index MCP+	Birth Weight (BWT)	Weaning Weight (WWT)	Post Weaning Weight (PWWT)	Adult Weight (AWT)	Growth after post weaning (AWT-PWT)	Stocking Rate Dam Efficiency (%) (kg lambs weaned / kg ewe)	Dam Birth Year	Scrotal Circumference (PSC)	Weaning Rate (WR)	Yearling Weaning Rate (YWR)	Maternal Weaning Weight Milk (MWWT)	Average Dam Weaning %	Birth Type
28	10	220072	RamLmb	**174**	0.3	8.4	**15.1**	14.1	-6%	ET	2018	**5.9**	**0.29**	0.49	0.0	ET	2
29	10	221668	RamLmb	**183**	0.8	**12.6**	**19.2**	19.5	2%	63%	2019	**6.6**	**0.29**	0.54	**1.5**	200%	3
30	10	221550	RamLmb	**177**	0.7	**11.1**	**16.1**	13.5	-16%	57%	2018	**6.4**	0.23	0.40	0.8	175%	1
31	11	223512	RamLmb	**180**	0.6	**12.5**	**18.7**	17.3	-7%	62%	2020	**6.1**	0.28	0.50	0.0	200%	1
32	11	220373	RamLmb	**178**	0.5	9.3	14.1	11.7	-17%	94%	2016	5.0	**0.31**	0.52	0.1	217%	2
33	11	221935	RamLmb	**181**	0.5	9.8	**16.9**	14.9	-11%	67%	2020		0.24	0.47	0.9	200%	2
34	12	222350	RamLmb	**180**	0.6	**11.2**	**17.6**	15.2	-14%	48%	2020	**6.0**	0.22	0.51	1.1	50%	1
35	12	220616	RamLmb	**180**	0.7	10.0	**15.6**	11.5	-26%	68%	2017		0.21	0.47	-0.1	175%	2
36	12	220520	RamLmb	**184**	0.3	9.0	**15.4**	12.8	-17%	102%	2017	**5.5**	**0.29**	**0.58**	1.0	200%	2
37	13	221207	RamLmb	**182**	0.3	9.0	**16.1**	13.2	-18%	62%	2019	**5.5**	**0.30**	**0.57**	0.7	167%	2
38	13	220929	RamLmb	**177**	0.6	**10.9**	**15.7**	11.1	-29%	76%	2018	**6.2**	**0.29**	0.53	0.5	175%	2
39	13	221088	RamLmb	**178**	0.8	**10.7**	**16.9**	16.7	-1%	85%	2020	**5.9**	0.27	0.54	0.8	150%	2
40	14	221417	RamLmb	**183**	0.7	9.2	**15.3**	11.6	-24%	72%	2019	**6.0**	0.28	**0.57**	0.5	200%	2
41	14	222295	RamLmb	**177**	0.7	8.7	14.6	11.0	-25%	48%	2020		0.26	**0.56**	0.6	200%	2
42	14	223807	RamLmb	**180**	0.6	**10.5**	**15.2**	11.8	-22%	51%	2020	5.1	**0.29**	0.43	0.0	50%	1
43	15	220928	RamLmb	**180**	0.5	**11.3**	**16.1**	11.6	-28%	76%	2018	**6.5**	**0.29**	0.53	0.5	175%	2
44	15	223597	RamLmb	**178**	0.5	**12.4**	**17.3**	14.9	-14%	55%	2021	**6.7**	0.23	0.43	0.9	200%	2
45	15	221078	RamLmb	**177**	0.3	8.4	13.9	11.4	-18%	72%	2020	4.9	**0.29**	0.50	-0.7	150%	2
46	16	220921	RamLmb	**189**	0.8	**10.9**	**16.4**	11.7	-29%	85%	2020	**6.1**	**0.30**	**0.60**	0.3	250%	3
47	16	220662	RamLmb	**174**	0.8	**12.1**	**18.0**	16.6	-8%	89%	2020		0.21	0.33	0.9	150%	2
48	16	220031	RamLmb	**170**	0.5	7.7	14.2	13.1	-8%	ET	2018	4.6	0.21	0.49	-0.1	ET	2
49	17	220433	RamLmb	169	0.5	**10.2**	**15.3**	14.8	-4%	78%	2017	5.0	0.21	0.45	**1.4**	240%	3
50	17	220795	RamLmb	**171**	0.4	9.4	**15.4**	13.8	-11%	94%	2014	5.1	0.16	0.42	**2.0**	157%	2
51	17	220112	RamLmb	169	0.3	8.4	14.4	13.3	-7%	ET	2020	**5.9**	0.23	0.47	-0.6	ET	2
52	18	221512	RamLmb	168	0.7	8.8	14.9	12.8	-14%	77%	2012	4.8	0.25	0.34	0.8	200%	2
53	18	220080	RamLmb	169	0.4	7.2	13.3	12.1	-9%	ET	2018	4.3	0.22	0.50	0.1	ET	2
54	18	220473	RamLmb	**174**	0.5	**10.7**	**15.4**	11.7	-24%	90%	2018	**5.7**	0.24	0.50	0.7	200%	2

CLOVEN HILLS 2023 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	SIRE	Fat Depth (PFAT)	Eye Muscle Depth (PEMD)	Lean Meat Yield (LMY)	Dress (%)	Intramu-scular fat (IMF)	Shear Force (5 days)	Foot Colour	Nose Colour	Face Cover	Breech Cover	Worm Egg Count (PFEC)	Dag Score	Wool Score	Mic Ave	Mic Dev	YGFW	Geno-typed	Myostatin GDF8 No. of copies
28	10	C0-206718	-0.3	**2.6**	5.4	**2.9**	-0.49	1.3	1.5	1	2	2.5	-1	1	3	37	4.9	-3.3	2	0
29	10	CH-210242	-0.9	1.8	**6.5**	**2.9**	-0.68	4.8	1	1	1	4	-32	0.5	4	35.4	3.3	2.5		
30	10	CH-191418	-0.8	2.1	**6.4**	2.4	-1.06	4.6	4	3	2.5	3.5	-35	0.5	3	33.2	1.1	3.7		
31	11	CH-202073	-0.3	1.7	**6.7**	**3.0**	-0.9	4.6	4.5	4.5	1	2	-48	1.5	25	Not tested		-12.8	2	0
32	11	CH-210286	-0.8	2.1	**6.3**	**2.6**	-0.72	3.7	5	4.5	1.5	4	-52	2.5	3	31.7	-0.4	0.7		
33	11	CH-200602	-0.1	**2.4**	5.4	**3.3**	-0.41	2.1	5	5	1	4	**-63**	1	3.5	35.4	3.3	2.1		
34	12	CH-170135	-0.4	1.6	5.5	**2.7**	-0.71	3.7	5	1.5	1.5	3	-42	3	3	35.6	3.5	12.7		
35	12	CH-213381	-0.4	**2.6**	**6.2**	**2.9**	-0.86	3.1	5	5	1.5	3	-35	0.5	2.5	32.7	0.6	12.3		
36	12	CH-191373	-0.4	**2.3**	**6.0**	**3.0**	-0.8	4.2	1	1	1	3.5	-44	2.5	4	36	3.9	8.9		
37	13	CH-191373	0.1	1.7	5.1	**3.1**	-0.61	4.1	1	1	0.5	3	-62	0.5	4	27	-5.1	0.9		
38	13	CH-202722	-0.9	1.3	**6.2**	2.3	-0.85	4.9	1	1	1.5	4	17	0.5	4.5	32.9	0.8	1.8		
39	13	CH-210242	-0.7	1.9	5.6	**2.9**	-0.72	3.4	4.5	3	2	4	-53	2.5	3	31.6	-0.5	3.5		
40	14	CH-191280	-0.1	2.1	4.9	**3.2**	-0.58	1.6	4	3.5	2.5	4	-50	0.5	3	32.6	0.5	6.3		
41	14	CH-211838	-1.2	1.7	**6.3**	**2.6**	-0.96	2.8	5	5	3	4	-20	3	3	31.8	-0.3	14.3		
42	14	CH-202073	-0.1	2.1	**6.1**	**2.8**	-0.86	4.5	2	4	1	3	-51	0.5	35	Not tested		-8.3	2	1
43	15	CH-202722	-1.0	1.4	**6.5**	2.4	-0.9	5.4	1	1	2	4	1	1	4	35.3	3.2	2.2		
44	15	CH-170427	-0.6	1.8	**6.5**	2.2	-0.65	5.9	4.5	4	1	3	-16	0.5	3	Not tested		5.2		
45	15	CH-210067	-0.4	**2.9**	**5.9**	**3.2**	-0.69	2.6	5	5	1.5	3.5	-33	0.5	3	30.4	-1.7	-6.5		
46	16	CH-202520	-0.3	**2.3**	**6.1**	**2.7**	-0.83	4.7	5	2.5	2	3.5	-36	1.5	3	34.6	2.5	6.1		
47	16	CH-200602	-1.2	1.3	**6.6**	2.4	-0.61	4.3	5	5	2	3	-57	1	3.5	34.9	2.8	6.2		
48	16	C0-206718	0.0	**2.6**	5.6	**3.1**	-0.98	4.3	3	2	1.5	3	**-63**	3	3.5	31.6	-0.5	-5.4	2	0
49	17	CH-210337	0.0	1.3	4.6	2.1	-0.4	5.2	4	3.5	2	3	-49	2	3.5	32.1	0	5.0		
50	17	CH-191373	-0.4	1.9	**6.2**	**2.8**	-0.8	5.6	5	3.5	1	3	-58	3.5	3	30	-2.1	-3.8	2	0
51	17	C0-206718	-0.6	**2.3**	5.3	2.4	-0.84	4.0	1.5	1	1.5	3	-47	0.5	3	39.6	7.5	6.1	2	Not tested
52	18	CH-150909	-1.0	1.2	5.6	2.3	-0.59	2.1	5	3	1.5	3.5	-49	3	3	29.8	-2.3	1.4		
53	18	C0-206718	0.2	**2.6**	5.2	**3.0**	-0.83	3.9	3.5	2.5	1.5	4.5	-43	2	2.5	30.5	-1.6	-2.3	2	0
54	18	CH-210337	-0.2	1.7	5.8	2.1	-0.75	6.4	4.5	4	1	3	17	2.5	4	31.2	-0.9	-1.5		

CLOVEN HILLS 2023 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	TAG ID	Type	Maternal Carcase Production Index MCP+	Birth Weight (BWT)	Weaning Weight (WWT)	Post Weaning Weight (PWWT)	Adult Weight (AWT)	Growth after post weaning (AWT-PWT)	Stocking Rate Dam Efficiency (%) (kg lambs weaned / kg ewe)	Dam Birth Year	Scrotal Circumference (PSC)	Weaning Rate (WR)	Yearling Weaning Rate (YWR)	Maternal Weaning Weight Milk (MWWT)	Average Dam Weaning %	Birth Type
55	19	220856	RamLmb	**171**	0.6	**10.5**	**15.4**	13.8	-11%	143%	2019	**5.4**	0.23	0.44	1.0	200%	2
56	19	221115	RamLmb	163	0.4	9.6	**15.0**	17.5	17%	92%	2016	4.9	0.17	0.39	1.1	150%	2
57	19	220305	RamLmb	165	0.3	9.2	13.1	12.4	-5%	58%	2018	5.0	0.28	0.53	0.2	200%	2
58	20	220736	RamLmb	169	0.2	7.9	13.3	12.6	-5%	73%	2019	**6.1**	0.27	0.52	-0.6	200%	2
59	20	220113	RamLmb	168	0.4	8.1	14.3	14.6	2%	ET	2020	5.0	0.18	0.38	0.4	ET	2
60	20	220728	RamLmb	**169**	0.4	8.8	14.4	14.9	3%	84%	2020	4.9	0.21	0.44	0.3	150%	2
61	21	224129	RamLmb	156	0.6	**10.2**	13.5	12.3	-9%				0.21	0.23	0.2		2
62	21	222712	RamLmb	**172**	0.7	9.4	**15.3**	12.9	-16%	61%	2020	4.9	0.18	0.41	1.2	200%	2
63	21	221992	RamLmb	**173**	0.4	9.0	**15.1**	13.1	-13%	66%	2020	**5.6**	0.17	0.43	0.8	200%	2
64	22	221586	RamLmb	**171**	0.6	8.8	14.7	14.3	-2%	65%	2020	**6.2**	0.28	0.54	0.3	150%	2
65	22	221120	RamLmb	166	0.8	9.6	14.1	12.6	-11%	78%	2014	5.1	0.25	0.41	-0.9	157%	2
66	22	220136	RamLmb	**175**	0.4	8.3	13.9	13.9	-1%	ET	2020	**5.5**	0.24	0.41	0.4	ET	1
67	23	220574	RamLmb	**188**	0.7	**11.1**	**16.5**	13.5	-18%	100%	2020	**6.8**	**0.33**	**0.59**	0.9	200%	2
68	23	220159	RamLmb	**186**	0.9	**11.7**	**17.6**	13.6	-23%	ET	2020	**5.4**	0.24	0.49	**1.5**	ET	1
69	23	220225	RamLmb	**176**	0.4	**11.3**	**15.7**	13.0	-17%	93%	2016	**5.6**	0.27	0.48	0.1	217%	2
70	24	222043	RamLmb	**182**	1.0	**12.7**	**18.5**	17.1	-7%	92%	2020	**6.0**	0.26	0.47	0.2	150%	2
71	24	222563	RamLmb	**188**	0.6	**11.3**	**17.8**	15.1	-15%	97%	2018	**7.5**	**0.34**	**0.66**	-0.2	225%	3
72	24	222009	RamLmb	**175**	0.2	8.6	14.6	13.0	-11%	55%	2019	**5.4**	0.24	0.54	1.0	100%	1
73	25	220050	RamLmb	**178**	0.6	10.0	**16.5**	14.5	-12%	ET	2018	**5.6**	**0.29**	0.55	0.8	ET	1
74	25	221936	RamLmb	**181**	0.6	9.7	**16.7**	14.8	-12%	67%	2020		0.24	0.47	0.9	200%	2
75	25	220027	RamLmb	**175**	0.3	7.6	14.4	12.9	-10%	ET	2018	**5.5**	0.28	0.50	0.6	ET	1
76	26	220998	RamLmb	**179**	0.5	**10.1**	**15.5**	15.4	-1%	45%	2019	5.0	**0.34**	0.45	-0.6	167%	1
77	26	222070	RamLmb	**177**	0.6	**11.7**	**18.0**	17.3	-4%	86%	2020		**0.29**	0.45	0.0	200%	2
78	26	221202	RamLmb	**184**	1.0	**11.9**	**17.4**	13.5	-22%	77%	2020	**6.4**	0.28	0.46	-0.5	100%	2
79	27	222083	RamLmb	**181**	0.6	**11.0**	**17.5**	15.3	-13%	75%	2016	**5.7**	0.16	0.48	**2.7**	167%	3
80	27	220817	RamLmb	**181**	0.7	**11.6**	**18.2**	16.3	-10%	60%	2019	**7.2**	0.22	0.47	0.8	200%	2
81	27	221722	RamLmb	**180**	0.8	**11.5**	**16.0**	13.3	-16%	78%	2018	**6.1**	**0.34**	0.54	-0.4	175%	2

CLOVEN HILLS 2023 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	SIRE	Fat Depth (PFAT)	Eye Muscle Depth (PEMD)	Lean Meat Yield (LMY)	Dress (%)	Intramu-scular fat (IMF)	Shear Force (5 days)	Foot Colour	Nose Colour	Face Cover	Breech Cover	Worm Egg Count (PFEC)	Dag Score	Wool Score	Mic Ave	Mic Dev	YGFW	Geno-typed	Myostatin GDF8 No. of copies
55	19	CH-210337	0.0	2.0	5.6	2.2	-0.8	4.7	3.5	2.5	1	3.5	6	0.5	3.5	32.8	0.7	-3.6		
56	19	C0-206718	-0.3	**2.5**	5.5	**2.9**	-0.71	3.5	1	1	2	3	-56	1.5	3	32.2	0.1	-5.2		
57	19	CH-210242	-0.5	1.7	5.5	2.0	-0.6	5.5	5	2	2	2.5	11	3.5	3	32.2	0.1	-2.6		
58	20	CH-180887	**0.4**	2.1	3.5	2.4	-0.01	**0.7**	5	5	1	3.5	-51	3	3	33.3	1.2	4.6	2	0
59	20	C0-206718	-0.2	**3.1**	5.5	**3.2**	-0.89	3.9	5	4.5	1.5	3	-52	1	3	36.1	4	4.9	2	1
60	20	C0-206718	-0.2	**2.6**	5.4	**2.9**	-0.77	3.7	1	1	2.5	3	**-76**	2	3	34	1.9	-6.8		
61	21	CH-202949	-0.9	0.6	5.0	1.5	-0.38	4.4	1	1	2	4			35	Not tested		8.3	2	
62	21	CH-210337	**0.5**	1.9	4.8	2.5	-0.64	4.3	5	3	2	3	-56	3	3.5	34.2	2.1	-0.6		
63	21	C0-206718	-0.2	**2.6**	5.5	**3.1**	-0.81	3.5	4	4.5	1.5	3	-46	2.5	3	33.1	1	2.0		
64	22	CH-180887	0.2	1.7	3.8	2.2	-0.21	1.5	4.5	5	1.5	2	-28	0.5	4	34.2	2.1	12.9		
65	22	CH-190123	-0.7	2.0	5.6	2.2	-0.85	3.3	4	5	1.5	2.5	-17	4	35	Not tested		-1.9		
66	22	C0-206718	-0.2	**3.4**	5.4	**3.0**	-0.89	3.3	5	4.5	1	1.5	-39		3	39.4	7.3	6.9	2	1
67	23	CH-202520	-0.4	2.1	**5.9**	**2.5**	-0.81	5.2	1.5	2.5	2	3	-29	0.5	2.5	33.4	1.3	9.1		
68	23	CH-210242	-1.3	1.8	**7.0**	**2.7**	-0.77	4.5	5	2	1	3	-38	1	4	Not tested		8.5	2	1
69	23	CH-202722	-0.2	1.8	**6.0**	**2.6**	-0.88	5.4	5	3.5	1.5	3	-11	2	45	Not tested		3.7		
70	24	CH-190123	-0.9	**2.3**	**7.3**	**2.8**	-1.07	5.9	4	3	2	1	-36	1.5	2.5	32.9	0.8	-0.2		
71	24	CH-170188	-0.4	1.7	5.5	**2.6**	-0.7	4.2	5	5	2	3.5	-43	0.5	2	30.7	-1.4	7.3		
72	24	CH-191373	**0.6**	**2.5**	4.6	**2.9**	-0.46	3.5	2	1	2.5	3	-25	0.5	3	33.4	1.3	4.5		
73	25	C0-206718	-1.2	1.9	**6.7**	2.4	-0.75	3.9	1	1	2	3	7	1	2.5	31.3	-0.8	1.4	2	0
74	25	CH-200602	-0.2	**2.3**	5.4	**3.2**	-0.41	1.9	3	3	3	4	**-65**	1.5	3	31.6	-0.5	2.0		
75	25	C0-206718	0.1	**2.7**	5.1	**3.1**	-0.4	1.2	2.5	2	1	2	-14	1.5	3	32.3	0.2	-9.4	2	0
76	26	CH-210307	-0.9	**2.8**	**6.9**	**2.7**	-1.09	4.4	5	3.5	2	4	-42	0.5	2.5	29.6	-2.5	-2.1		
77	26	CH-202710	-0.3	1.7	**5.8**	**2.7**	-0.76	5.0	5	4	1	4	-27	0.5	2.5	28.2	-3.9	-2.1		
78	26	CH-190123	-0.6	**2.4**	**6.7**	**2.6**	-1.03	5.1	5	5	1	3	-14	3	3	33.8	1.7	7.0		
79	27	CH-210482	-0.6	2.0	**6.3**	**2.8**	-0.69	3.9	4	2	1	3	**-76**	3.5	4.5	30.3	-1.8	0.9		
80	27	CH-191418	-0.5	**2.3**	**6.7**	**2.9**	-1.1	5.2	4	2	2	3	-40	1	3.5	27.5	-4.6	-0.3		
81	27	CH-190123	-1.0	1.6	**6.6**	1.9	-1.04	6.0	4.5	3.5	2	3.5	-10	0.5	3	29.4	-2.7	0.9		

CLOVEN HILLS 2023 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	TAG ID	Type	Maternal Carcase Production Index MCP+	Birth Weight (BWT)	Weaning Weight (WWT)	Post Weaning Weight (PWWT)	Adult Weight (AWT)	Growth after post weaning (AWT-PWT)	Stocking Rate Dam Efficiency (%) (kg lambs weaned / kg ewe)	Dam Birth Year	Scrotal Circumference (PSC)	Weaning Rate (WR)	Yearling Weaning Rate (YWR)	Maternal Weaning Weight Milk (MWWT)	Average Dam Weaning %	Birth Type
82	28	222951	RamLmb	**187**	0.7	**11.6**	**17.6**	14.3	-19%	111%	2019	**5.8**	**0.29**	**0.57**	0.9	167%	2
83	28	221054	RamLmb	**185**	0.5	**10.3**	**15.7**	13.7	-13%	78%	2020	5.2	**0.34**	**0.63**	-0.2	150%	1
84	28	221225	RamLmb	**180**	0.9	**12.6**	**18.1**	17.1	-5%	82%	2018	**6.5**	**0.29**	0.42	0.4	225%	3
85	29	221532	RamLmb	**179**	0.6	9.6	**15.0**	10.7	-28%	84%	2020		0.23	0.55	0.6	200%	2
86	29	220041	RamLmb	**177**	0.3	8.0	13.8	14.1	2%	ET	2020	**5.6**	**0.30**	**0.56**	0.2	ET	1
87	29	220981	RamLmb	**180**	0.6	**11.1**	**16.7**	14.2	-15%	52%	2018	**6.4**	0.28	0.55	-0.1	150%	2
88	30	220340	RamLmb	**175**	0.5	9.3	14.8	12.8	-13%	85%	2018	**6.0**	0.27	0.50	0.2	200%	2
89	30	220633	RamLmb	**181**	0.7	**11.8**	**16.9**	15.5	-8%	130%	2019	**6.4**	0.25	0.47	-1.0	220%	2
90	30	220885	RamLmb	**182**	0.5	9.9	14.4	13.3	-7%	92%	2020	5.3	**0.29**	0.46	**1.6**	200%	2
91	31	220670	RamLmb	**175**	0.3	**10.3**	**15.1**	16.6	10%	84%	2020	**5.6**	**0.30**	0.51	0.6	250%	2
92	31	221630	RamLmb	**176**	0.3	8.3	14.1	11.1	-21%	54%	2019	5.2	0.21	0.40	-0.1	167%	1
93	31	220540	RamLmb	**184**	0.5	9.1	13.9	9.2	-34%	99%	2019	4.8	**0.32**	**0.56**	-0.4	200%	2
94	32	222386	RamLmb	**176**	0.5	8.7	14.3	12.5	-13%	58%	2017	**6.3**	**0.33**	0.55	-0.3	175%	1
95	32	222324	RamLmb	**183**	0.4	9.7	**15.1**	11.1	-26%	67%	2020	5.1	**0.29**	**0.58**	0.0	200%	2
96	32	221489	RamLmb	**177**	0.5	**10.8**	**17.3**	15.8	-9%	74%	2015	**5.5**	0.22	0.51	1.2	160%	3
97	33	221162	RamLmb	**174**	0.3	9.5	**15.4**	15.6	1%	82%	2020	**5.9**	0.23	**0.56**	0.2	150%	2
98	33	220884	RamLmb	**180**	0.5	**10.2**	14.6	13.8	-6%	92%	2020	**5.4**	**0.29**	0.46	**1.6**	200%	2
99	33	221644	RamLmb	**179**	0.8	**10.2**	**16.8**	13.6	-19%	63%	2020	**6.6**	**0.33**	0.49	0.0	150%	2
100	34	223337	RamLmb	**183**	0.6	**11.8**	**17.1**	14.6	-15%	88%	2020		0.26	0.53	**1.4**	200%	2
101	34	221901	RamLmb	169	0.7	**10.2**	**16.6**	15.0	-10%	73%	2019	**6.1**	0.26	0.42	0.7	150%	2
102	34	220128	RamLmb	**173**	0.4	8.6	14.7	13.4	-9%	ET	2018	5.1	0.26	0.44	-0.1	ET	1
103	35	220979	RamLmb	**172**	0.7	**10.9**	**18.3**	16.7	-9%	48%	2019	**6.6**	0.26	0.28	-0.1	150%	2
104	35	220646	RamLmb	**171**	0.5	9.1	13.6	10.0	-26%	56%	2019	4.8	0.25	0.47	0.2	133%	1
105	35	221887	RamLmb	**173**	0.8	**10.3**	14.2	10.1	-28%	63%	2019	4.7	0.25	0.48	**1.5**	167%	2
106	36	221383	RamLmb	**173**	0.6	**10.4**	**16.2**	15.0	-7%	104%	2018	**5.9**	0.24	0.45	0.5	225%	2
107	36	220685	RamLmb	**173**	0.7	9.1	**16.5**	14.7	-11%	55%	2018	**5.4**	0.25	0.41	1.1	200%	2
108	36	220323	RamLmb	167	0.3	9.4	**15.6**	16.8	8%	41%	2020	**5.8**	0.18	0.40	0.4	200%	1

CLOVEN HILLS 2023 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	SIRE	Fat Depth (PFAT)	Eye Muscle Depth (PEMD)	Lean Meat Yield (LMY)	Dress (%)	Intramu-scular fat (IMF)	Shear Force (5 days)	Foot Colour	Nose Colour	Face Cover	Breech Cover	Worm Egg Count (PFEC)	Dag Score	Wool Score	Mic Ave	Mic Dev	YGFW	Geno-typed	Myostatin GDF8 No. of copies
82	28	CH-202722	**0.6**	1.9	5.5	**3.1**	-0.99	5.9	1	3	2	3	-42	0.5	35	Not tested		5.0	2	
83	28	CH-210331	-0.4	**2.4**	**6.3**	**2.9**	-0.87	4.3	5	2.5	1.5	2.5	-60	1	3.5	32	-0.1	-4.9		
84	28	CH-191418	-0.8	1.8	**7.2**	**2.5**	-1.29	5.9	4.5	2	1.5	4	-42	0.5	4	34.1	2	-4.7		
85	29	CH-211838	-0.7	1.9	**6.6**	**2.6**	-0.89	3.9	5	3	2	4	-39	1.5	2.5	32.9	0.8	5.6		
86	29	C0-206718	**0.6**	**3.1**	4.1	**3.1**	-0.74	2.3	4.5	4	2	4	-40	1	2.5	41.4	9.3	1.5	2	1
87	29	CH-201067	-0.2	2.1	5.6	2.4	-0.76	3.8	4	3	1	3	10	3.5	4	38.2	6.1	12.6		
88	30	CH-191418	-0.6	1.9	5.8	2.4	-0.9	3.4	2	2.5	2	3	-54	0.5	4	38.3	6.2	2.3		
89	30	CH-190123	-0.5	**3.2**	**7.0**	**3.0**	-0.93	3.9	3.5	4	1.5	3.5	-46	1	2	36.1	4	1.7		
90	30	CH-201897	0.1	**2.7**	5.7	**2.8**	-0.83	4.0	3	1.5	1	3	**-73**	1	3	31	-1.1	-6.7		
91	31	CH-201897	-0.1	**2.5**	**6.0**	**2.7**	-0.85	4.4	4.5	4.5	2	4	**-63**	0.5	4	32.9	0.8	-12.0		
92	31	C0-206718	0.0	**3.3**	5.8	**3.3**	-0.84	3.1	4	3.5	2	4	-44	0.5	3	33.9	1.8	-9.4		
93	31	CH-210331	-0.6	**2.3**	**6.1**	**2.8**	-0.71	2.7	5	3	1.5	3.5	**-67**		3	35	2.9	-0.3		
94	32	CH-170188	0.0	1.9	4.4	2.4	-0.47	2.1	5	5	1.5	3.5	-29	0.5	2	34.4	2.3	4.9		
95	32	CH-211086	-0.3	**2.3**	**6.5**	**2.9**	-0.82	3.4	4.5	4.5	1.5	4	-48	0.5	3	31.8	-0.3	-2.2		
96	32	CH-191373	-0.8	1.5	**6.4**	**2.7**	-0.76	5.2	4.5	4.5	1.5	2.5	-55	3	3	33.7	1.6	8.6		
97	33	C0-206718	0.3	**2.7**	5.0	**2.9**	-0.56	3.4	1.5	2.5	2	3	-61	0.5	3	35.2	3.1	-0.9	2	0
98	33	CH-201897	0.0	**2.5**	5.6	**2.7**	-0.8	4.2	1	1	1	3.5	**-65**	0.5	3	27.5	-4.6	-6.5		
99	33	CH-150909	-0.9	1.1	5.6	2.2	-0.73	3.9	4	3	2	4.5	-15	0.5	3	27.5	-4.6	8.2		
100	34	CH-213515	-0.4	1.8	**6.1**	**2.8**	-0.57	5.2	4.5	2	1	2	-38	0.5	35	Not tested		2.7		
101	34	CH-150909	-1.7	0.6	**6.1**	1.9	-0.7	3.3	4	4	1.5	3	-20	1	3.5	37.5	5.4	8.6		
102	34	C0-206718	-0.5	**2.7**	**6.2**	**2.8**	-0.67	2.8	5	3	2	3.5	-27	0.5	3.5	33	0.9	-9.8	2	0
103	35	CH-150909	-1.2	1.3	**6.6**	**2.7**	-0.79	3.3	5	3.5	1.5	3	-22	2	3	41.1	9	-3.0		
104	35	CH-202722	0.1	1.5	4.7	2.4	-0.64	3.7	3	4.5	2.5	4	-36	4	3.5	40.2	8.1	2.6		
105	35	CH-213515	-1.2	0.9	**6.2**	1.8	-0.81	5.0	5	4.5	2	2.5	-28	3	2.5	32.1	0	1.6		
106	36	CH-191418	-0.7	1.5	**5.9**	2.3	-1.02	5.5	4.5	2.5	2	3	-59	3	3	31.2	-0.9	4.2		
107	36	CH-150909	-1.3	1.1	**6.1**	2.4	-0.67	2.8	5	4	2.5	4	-47	1	3.5	29.2	-2.9	4.8		
108	36	C0-206718	-0.2	**2.9**	5.6	**3.1**	-0.81	3.5	4	4.5	2	3	-36	0.5	2.5	34.7	2.6	-3.7		

CLOVEN HILLS 2023 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	TAG ID	Type	Maternal Carcase Production Index MCP+	Birth Weight (BWT)	Weaning Weight (WWT)	Post Weaning Weight (PWWT)	Adult Weight (AWT)	Growth after post weaning (AWT-PWT)	Stocking Rate Dam Efficiency (%) (kg lambs weaned / kg ewe)	Dam Birth Year	Scrotal Circumference (PSC)	Weaning Rate (WR)	Yearling Weaning Rate (YWR)	Maternal Weaning Weight Milk (MWWT)	Average Dam Weaning %	Birth Type
109	37	221151	RamLmb	**174**	0.3	9.4	**15.5**	16.7	8%	63%	2018	**5.7**	0.27	0.50	**1.6**	150%	1
110	37	220972	RamLmb	**171**	0.4	9.0	13.8	10.5	-24%	83%	2017	4.8	0.15	0.41	**1.4**	200%	2
111	37	220247	RamLmb	**173**	0.3	9.3	**15.6**	15.4	-1%	87%	2020	**5.9**	0.23	0.48	0.8	150%	2
112	38	220739	RamLmb	**173**	0.2	9.1	14.9	13.8	-7%	88%	2014	**5.6**	0.21	0.46	**1.5**	200%	2
113	38	220600	RamLmb	**171**	0.2	7.4	12.2	12.0	-2%	68%	2018	4.5	0.26	0.45	0.7	167%	2
114	38	220115	RamLmb	**178**	0.6	**11.7**	**17.2**	16.0	-7%	ET	2018	**6.9**	**0.31**	0.50	0.2	ET	1
115	39	220339	RamLmb	**176**	0.5	9.3	14.7	12.7	-14%	85%	2018	**5.9**	0.27	0.50	0.2	200%	2
116	39	220557	RamLmb	**176**	0.5	**10.4**	14.6	9.2	-36%	71%	2018	4.5	0.26	0.51	0.2	150%	1
117	39	220906	RamLmb	**190**	0.7	**13.2**	**21.1**	18.7	-11%	106%	2020	**7.1**	0.26	**0.58**	1.1	150%	2
118	40	221100	RamLmb	**178**	0.8	9.5	**15.4**	11.4	-26%	72%	2018	**5.5**	0.25	0.48	-0.3	166%	1
119	40	220523	RamLmb	**179**	0.5	**11.1**	**17.4**	14.7	-16%	58%	2017	**6.5**	0.22	0.42	**1.4**	200%	1
120	40	221770	RamLmb	**175**	0.8	**11.6**	**16.2**	15.8	-3%	80%	2019	5.2	0.28	0.54	1.2	150%	1
121	41	220468	RamLmb	**185**	0.7	**10.7**	**16.1**	13.2	-18%	83%	2018	**6.0**	**0.35**	**0.59**	-0.1	200%	2
122	41	220797	RamLmb	**187**	0.5	10.0	**15.2**	12.2	-20%	104%	2018	**6.0**	**0.39**	**0.66**	**1.6**	225%	2
123	41	221419	RamLmb	**178**	0.6	9.2	14.7	10.5	-28%			5.2	0.27	0.50	0.6		1
124	42	220870	RamLmb	**176**	0.5	9.2	13.9	11.3	-18%	53%	2018	5.2	0.22	0.45	0.8	75%	1
125	42	221534	RamLmb	**184**	0.6	9.1	14.6	10.6	-27%	75%	2020	**5.7**	**0.30**	**0.57**	0.1	200%	2
126	42	221317	RamLmb	**185**	0.5	9.6	**15.5**	12.9	-17%	52%	2019	**5.9**	**0.33**	**0.57**	-1.1	167%	1
127	43	220755	RamLmb	**182**	0.5	**10.6**	**15.9**	13.6	-14%	83%	2018	**6.9**	**0.30**	**0.60**	0.7	166%	2
128	43	221542	RamLmb	**184**	0.3	9.9	**15.6**	14.2	-9%	104%	2019	**5.4**	0.26	0.54	**1.5**	167%	1
129	43	220470	RamLmb	**189**	0.9	**13.3**	**18.7**	16.7	-11%	88%	2020	**6.8**	**0.31**	**0.57**	0.2	200%	2
130	44	220276	RamLmb	**176**	0.5	9.5	14.0	12.4	-11%	74%	2017	**5.4**	0.22	0.41	1.0	175%	2
131	44	222089	RamLmb	**188**	0.5	**11.1**	**16.5**	12.8	-22%	76%	2019	**6.5**	**0.31**	**0.65**	-0.2	167%	3
132	44	220900	RamLmb	**180**	0.3	9.3	**15.1**	13.5	-11%	67%	2020	**6.3**	**0.32**	0.55	0.5	200%	2
133	45	221005	RamLmb	**185**	0.9	**13.5**	**19.7**	17.2	-13%	77%	2020	**7.2**	0.24	0.44	-0.5	150%	2
134	45	221702	RamLmb	**178**	0.7	**10.4**	**15.5**	12.0	-23%	70%	2019	**5.8**	0.24	0.50	0.3	167%	2
135	45	222329	RamLmb	**175**	0.8	**12.4**	**18.0**	16.7	-7%	70%	2020	**6.7**	0.25	0.42	-0.5	150%	2

CLOVEN HILLS 2023 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	SIRE	Fat Depth (PFAT)	Eye Muscle Depth (PEMD)	Lean Meat Yield (LMY)	Dress (%)	Intramu-scular fat (IMF)	Shear Force (5 days)	Foot Colour	Nose Colour	Face Cover	Breech Cover	Worm Egg Count (PFEC)	Dag Score	Wool Score	Mic Ave	Mic Dev	YGFW	Geno-typed	Myostatin GDF8 No. of copies
109	37	CH-191373	-0.2	2.0	5.3	**3.0**	-0.64	4.2	4.5	5	2	4	-53	1	4	33.5	1.4	1.1		
110	37	CH-210337	0.4	**2.2**	5.2	**2.5**	-0.68	4.5	4.5	3.5	1.5	3.5	**-64**	4.5	3	29.6	-2.5	-3.2		
111	37	CH-191373	0.1	**2.3**	5.3	**3.0**	-0.59	3.8	4.5	2	2	4	-46	1	3.5	29.4	-2.7	-1.4		
112	38	CH-191373	0.0	**2.5**	5.3	**3.0**	-0.57	4.1	1.5	1	2	3.5	-18	1	3	31.1	-1	6.4		
113	38	CH-201897	**0.8**	**3.1**	4.6	**3.0**	-0.53	1.3	4	3.5	2	4	-54	0.5	3.5	28.7	-3.4	-15.1		
114	38	CH-190709	-0.5	1.4	**5.9**	2.1	-0.81	4.3	2	2.5	3	3.5	-44	3	3.5	34.4	2.3	-1.6	2	0
115	39	CH-191418	-0.6	1.9	5.7	2.4	-0.9	3.3	4.5	1.5	1.5	4	**-67**	1	4	33.5	1.4	2.3		
116	39	CH-202722	-0.4	1.6	**6.0**	2.2	-0.98	5.6	5	4.5	1.5	3	18	1.5	3	36.6	4.5	8.9		
117	39	CH-170135	-0.9	1.2	**6.8**	**2.9**	-0.79	6.6	1.5	1	2	3	**-63**	3	3	25.5	-6.6	14.5	2	0
118	40	CH-191280	-0.5	2.0	5.6	**3.1**	-0.61	1.0	2	3.5	2	3.5	-41	1	3.5	32.3	0.2	4.3		
119	40	CH-191373	-0.8	1.6	**6.5**	**2.5**	-0.8	5.9	4	2	2	3.5	-37	2.5	2.5	35.7	3.6	12.3		
120	40	CH-210242	-1.7	1.5	**7.2**	2.1	-0.92	5.9	3.5	3	1.5	3.5	-21	0.5	3	31	-1.1	-1.3		
121	41	CH-210242	-0.3	2.0	5.7	**2.5**	-0.68	3.7	5	4.5	2	3.5	-42	2	2	38.8	6.7	1.8		
122	41	CH-202127	-1.0	1.4	**6.3**	2.3	-0.76	4.1	3	5	1	2.5	-49	1	3.5	27	-5.1	-10.4		
123	41	CH-202520	-0.4	1.4	5.3	2.4	-0.29	2.1	1.5	2.5	1.5	3	-42	0.5	4	30.5	-1.6	9.6	2	1
124	42	CH-202520	-0.2	**2.6**	**5.9**	**2.6**	-0.89	5.9	4.5	4	3	2.5	-38	3	3	33	0.9	10.5		
125	42	CH-202520	-0.1	**2.6**	5.5	**2.7**	-0.69	3.1	4	3	2	2.5	-23	5	35	Not tested		8.9		
126	42	CH-210307	-0.2	**2.9**	**6.2**	**3.0**	-0.88	3.2	2.5	3	1.5	4	-47	1	2.5	33.9	1.8	0.2		
127	43	CH-202127	0.0	2.0	5.8	2.4	-0.75	4.1	2	2.5	1.5	3	-39	2	2.5	38.5	6.4	-9.0		
128	43	CH-201897	0.4	**2.7**	**5.9**	**3.4**	-0.77	4.3	4.5	3	2	4	**-80**	1.5	3	31.5	-0.6	-7.5		
129	43	CH-190123	-1.0	2.1	**7.4**	**2.5**	-1.21	6.9	4	3.5	2	3.5	**-63**	3.5	2.5	37.4	5.3	-3.1	2	1
130	44	CH-191418	-0.5	**2.7**	**6.3**	**2.8**	-1.03	4.5	3	2	2	3	**-76**	1	2.5	35.3	3.2	-1.9		
131	44	CH-202722	0.3	**2.2**	5.4	**2.9**	-0.77	4.0	5	5	2	3	-35	3	3.5	37.3	5.2	8.0		
132	44	CH-180887	0.0	1.9	4.6	2.4	-0.34	2.6	5	4.5	1.5	3	-45	3.5	2.5	34.9	2.8	6.4		
133	45	CH-190123	-1.1	**2.4**	**7.7**	**3.1**	-1.17	6.6	4.5	4.5	2.5	3.5	-33	3	2.5	28	-4.1	5.2		
134	45	CH-202520	-0.6	2.0	5.5	2.4	-0.52	2.7	4	5	2	4	-30	0.5	3	33.9	1.8	13.5		
135	45	CH-190123	-1.1	2.1	**7.1**	**2.7**	-1.01	5.4	3	2	2	3	4	1	2.5	35.1	3	-2.2		

CLOVEN HILLS 2023 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	TAG ID	Type	Maternal Carcase Production Index MCP+	Birth Weight (BWT)	Weaning Weight (WWT)	Post Weaning Weight (PWWT)	Adult Weight (AWT)	Growth after post weaning (AWT-PWT)	Stocking Rate Dam Efficiency (%) (kg lambs weaned / kg ewe)	Dam Birth Year	Scrotal Circumference (PSC)	Weaning Rate (WR)	Yearling Weaning Rate (YWR)	Maternal Weaning Weight Milk (MWWT)	Average Dam Weaning %	Birth Type
136	46	220390	RamLmb	**185**	0.8	**12.7**	**18.0**	16.5	-8%	134%	2019	**6.8**	**0.34**	0.45	-1.0	300%	2
137	46	220710	RamLmb	**180**	0.6	**10.3**	**15.6**	13.2	-15%	62%	2018	5.1	0.28	0.52	0.1	200%	2
138	46	220887	RamLmb	**179**	0.5	**10.1**	14.3	12.9	-9%	80%	2018	**6.2**	**0.40**	**0.56**	-0.2	250%	2
139	47	220782	RamLmb	**176**	0.4	9.6	**15.8**	14.0	-12%	67%	2018	**5.6**	0.28	0.40	0.3	150%	2
140	47	223019	RamLmb	**184**	0.6	**10.4**	**16.0**	12.3	-23%	93%	2020	5.2	**0.30**	**0.58**	0.5	150%	2
141	47	222602	RamLmb	**182**	0.7	**10.4**	**16.0**	13.3	-17%	95%	2020	**7.0**	**0.31**	**0.56**	-0.1	150%	2
142	48	220826	RamLmb	**178**	0.5	9.7	14.4	11.7	-18%	105%	2018	5.1	**0.31**	**0.59**	0.5	275%	3
143	48	220640	RamLmb	**183**	0.5	9.6	14.6	11.2	-24%	88%	2019	4.6	**0.33**	0.55	0.3	200%	2
144	48	221020	RamLmb	**177**	0.6	**10.4**	**17.1**	14.5	-15%	77%	2018	**6.8**	0.22	0.39	1.3	167%	3
145	49	221649	RamLmb	**181**	0.8	**10.8**	**16.1**	12.4	-23%	44%	2020	5.3	0.28	0.55	0.2	200%	2
146	49	222613	RamLmb	**174**	0.5	9.2	14.2	11.9	-16%	75%	2017	**6.5**	**0.30**	0.51	-0.7	120%	1
147	49	220852	RamLmb	**170**	0.5	8.1	13.2	10.1	-23%	77%	2017		0.22	0.51	0.2	125%	1
148	50	222864	RamLmb	159	0.7	**10.9**	**15.0**	14.5	-4%	50%	2019	4.8	0.18	0.19	0.2	50%	1
149	50	221081	RamLmb	**170**	0.5	8.3	13.9	11.3	-18%	63%	2018	4.3	0.16	0.38	0.4	125%	2
150	50	221695	RamLmb	168	0.7	**10.7**	**15.1**	13.9	-8%	90%	2017	4.0	0.27	0.50	1.1	180%	2
151	51	222268	RamLmb	169	0.3	8.0	14.3	13.0	-9%	64%	2018	3.9	0.19	0.46	-0.4	150%	1
152	51	221880	RamLmb	**173**	0.7	9.9	**15.1**	12.4	-18%	81%	2017	**5.3**	0.23	0.44	-0.4	180%	2
153	51	221884	RamLmb	**170**	0.6	**10.1**	**15.6**	13.6	-13%	103%	2017	5.0	0.20	0.46	1.1	225%	2
154	52	221082	RamLmb	169	0.4	8.3	13.8	11.5	-17%	63%	2018	4.4	0.16	0.38	0.4	166%	2
155	52	221250	RamLmb	**173**	0.5	7.0	12.2	7.5	-38%	70%	2015	4.3	0.22	0.48	0.7	167%	1
156	52	220248	RamLmb	**173**	0.3	9.4	**15.7**	15.4	-2%	87%	2020	**5.9**	0.23	0.48	0.8	150%	2
157	53	221508	RamLmb	**173**	0.5	8.5	13.4	8.6	-35%	44%	2018	5.2	0.21	0.45	0.3	167%	1
158	53	221191	RamLmb	**172**	0.5	9.3	**15.5**	13.1	-15%	96%	2018	**6.0**	0.25	0.44	1.3	267%	3
159	53	220330	RamLmb	**174**	0.6	9.1	13.1	11.5	-12%	118%	2015	4.2	**0.30**	0.55	1.2	171%	2
160	54	220568	RamLmb	163	0.2	7.4	12.1	13.3	10%	81%	2017	3.8	0.20	0.45	1.0	200%	2
161	54	220896	RamLmb	**171**	0.5	10.0	14.8	11.2	-24%	58%	2019		0.25	0.47	0.3	167%	2
162	54	221353	RamLmb	165	0.2	8.3	13.0	12.9	-1%	56%	2019	4.6	0.25	0.40	0.2	133%	2

CLOVEN HILLS 2023 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	SIRE	Fat Depth (PFAT)	Eye Muscle Depth (PEMD)	Lean Meat Yield (LMY)	Dress (%)	Intramu-scular fat (IMF)	Shear Force (5 days)	Foot Colour	Nose Colour	Face Cover	Breech Cover	Worm Egg Count (PFEC)	Dag Score	Wool Score	Mic Ave	Mic Dev	YGFW	Geno-typed	Myostatin GDF8 No. of copies
136	46	CH-190123	-1.0	**2.5**	**7.6**	**2.7**	-1.29	6.9	5	3	2	3	-43	4	2	31.7	-0.4	-3.1		
137	46	CH-210286	-0.7	**2.4**	**6.5**	**3.0**	-0.84	4.2	4	5	2	4	-48	1	3.5	32.2	0.1	-1.7		
138	46	CH-201067	-0.6	1.8	5.6	2.1	-0.88	4.3	4	2	2	3	-20	0.5	3	30.1	-2	-1.8		
139	47	CH-201897	-0.4	2.0	**6.1**	**2.8**	-0.83	3.6	3.5	1	2	3	-54	0.5	3	31.2	-0.9	-10.5		
140	47	CH-202023	-0.6	1.9	**7.1**	2.5	-1.01	5.3	5	4	2	4	-41	0.5	3	Not tested		-2.7	2	
141	47	CH-170188	-0.7	2.1	**5.9**	2.3	-1	4.5	3.5	2	3	4	-26	1	3	32.7	0.6	6.7		
142	48	CH-202722	-0.4	1.9	5.6	**2.5**	-0.82	3.4	5	2.5	1	3.5	-3	3	4	33.4	1.3	7.2		
143	48	CH-210242	0.0	**2.4**	5.8	**2.9**	-0.72	4.8	4	4	2	3.5	-30	2.5	3	33.2	1.1	-3.9		
144	48	CH-202537	-0.7	1.5	5.5	**2.6**	-0.66	4.1	5	3.5	2.5	4	-54	2.5	3.5	33.6	1.5	8.9		
145	49	CH-210331	-0.9	1.7	**6.1**	**2.5**	-0.72	4.1	2	1.5	2	3	-38	2	3.5	32	-0.1	8.8		
146	49	CH-170188	-0.4	1.8	4.9	2.2	-0.74	3.3	1	1	2	3	-42	0.5	4	25.9	-6.2	4.7		
147	49	CH-213381	-0.2	2.1	5.2	2.5	-0.5	2.0	5	2	1	4	-24	3	3	31.5	-0.6	4.8		
148	50	CH-170666	-0.9	1.5	**6.3**	2.1	-0.92	5.0	4.5	3	3.5	3	-21	0.5	2	36.6	4.5	-4.9	2	0
149	50	C0-206718	0.1	**2.9**	5.6	**3.0**	-0.78	3.4	5	5	2.5	3.5	-44	0.5	4	34	1.9	-2.2		
150	50	CH-202722	-1.1	1.1	**6.4**	2.2	-0.82	5.2	5	4	2	4	14	2	2.5	29.9	-2.2	3.5		
151	51	C0-206718	0.1	**2.8**	5.3	**3.3**	-0.71	3.3	1	1	2	4	-44	2	3.5	32.7	0.6	-0.3		
152	51	CH-191280	0.0	2.2	4.9	**3.3**	-0.47	1.4	4	5	2	4	-31	1	2.5	34.4	2.3	2.9		
153	51	CH-170135	-0.3	1.1	5.0	2.4	-0.35	3.4	5	4	2	3.5	**-72**	2	2.5	28.8	-3.3	1.3		
154	52	C0-206718	-0.1	**2.7**	5.5	**2.8**	-0.76	3.5	5	4.5	2	4	-48	2	3.5	29.9	-2.2	-2.1		
155	52	CH-202520	-0.4	2.1	5.4	2.2	-0.59	2.2					-45		3.5	29.9	-2.2	5.5		
156	52	CH-191373	0.1	**2.3**	5.4	**3.0**	-0.62	3.8	2	1	1.5	4	-43	0.5	2.5	27.1	-5	-1.3		
157	53	CH-211086	0.3	2.0	4.7	2.4	-0.42	1.7	4.5	4.5	1.5	4	-30	1	4	Not tested		9.9		
158	53	CH-150909	-1.3	1.1	**6.0**	2.0	-0.63	3.2	4.5	1.5	2	4	-26	1.5	3.5	40.4	8.3	5.4		
159	53	CH-210242	-1.0	1.7	**6.2**	2.0	-0.74	4.5	4	3.5	1	3	-44	4.5	3.5	27.8	-4.3	-2.8		
160	54	C0-206718	0.0	**2.6**	4.8	2.4	-0.6	3.6	5	4.5	2	3.5	**-70**	1.5	2.5	35.2	3.1	-1.9		
161	54	CH-213515	-0.7	1.6	**6.2**	2.2	-0.87	5.1	5	4.5	2	3	21	3.5	3	36.6	4.5	-2.1		
162	54	CH-201897	-0.2	2.0	5.1	**2.5**	-0.57	3.6	1	2	1.5	3.5	**-68**	3	3	29.2	-2.9	-9.8		

CLOVEN HILLS 2023 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	TAG ID	Type	Maternal Carcase Production Index MCP+	Birth Weight (BWT)	Weaning Weight (WWT)	Post Weaning Weight (PWWT)	Adult Weight (AWT)	Growth after post weaning (AWT-PWT)	Stocking Rate Dam Efficiency (%) (kg lambs weaned per kg ewe)	Dam Birth Year	Scrotal Circum-ference (PSC)	Weaning Rate (WR)	Yearling Weaning Rate (YWR)	Maternal Weaning Weight Milk (MWWT)	Average Dam Weaning %	Birth Type
163	55	211838	Elite21	**187**	0.5	8.2	14.1	9.2	-35%	158%	2017	3.7	0.27	**0.67**	**1.3**	200%	1
164	55	210473	Elite21	**186**	0.3	6.7	13.3	7.0	-47%	101%	2018	**5.5**	**0.37**	**0.59**	-0.9	200%	2
165	56	210239	Elite21	**186**	0.5	**10.1**	**16.1**	11.8	-27%	95%	2019	**7.5**	**0.34**	0.54	-1.8	233%	2
166	56	213544	Elite21	**185**	0.6	**10.2**	**15.6**	13.6	-13%	70%	2020	**6.3**	**0.32**	**0.59**	0.5	200%	2
167	57	210159	Elite21	**179**	0.3	9.5	13.3	9.2	-31%	96%	2018	5.0	**0.29**	0.52	-0.2	275%	3
168	57	210998	FlkRam21	**180**	0.6	**11.2**	**16.7**	12.6	-25%				0.25	0.40	**1.4**		2
169	58	212682	FlkRam21	**176**	0.8	**10.9**	**16.7**	15.1	-10%	102%	2016	**5.3**	0.25	0.42	-0.2	160%	2
170	58	212492	FlkRam21	**173**	0.6	8.0	12.0	7.0	-42%	99%	2017	4.3	0.27	0.46	0.2	225%	3
171	59	211350	FlkRam21	**171**	0.5	9.2	14.2	13.3	-6%	108%	2019	**5.3**	0.22	0.48	0.3	200%	2
172	59	212612	FlkRam21	**170**	0.6	8.6	11.5	8.7	-24%	108%	2018	4.4	0.27	0.51	0.0	167%	2
173	60	213711	FlkRam21	169	0.3	8.9	12.9	12.7	-2%				0.28	0.44	-0.7		1
174	60	212752	FlkRam21	169	0.4	6.6	10.2	5.8	-43%	103%	2017	4.3	0.26	0.50	-0.6	167%	2
175	61	212297	FlkRam21	169	0.6	**10.8**	14.8	12.8	-14%				0.24	0.44	-0.7		2
176	61	211097	FlkRam21	168	0.3	6.8	11.0	8.4	-23%	94%	2017	4.0	**0.31**	0.54	-0.7	175%	2
177	62	210999	FlkRam21	168	0.3	9.3	12.6	10.2	-19%				0.24	0.35	0.8		2
178	62	211249	FlkRam21	168	0.4	8.2	11.3	8.1	-28%	87%	2014	3.4	**0.37**	0.49	-1.4	267%	3
179	63	211836	FlkRam21	164	0.2	6.1	10.8	10.0	-7%	62%	2019	3.5	**0.30**	0.48	-1.0	200%	2
180	63	212726	FlkRam21	164	0.3	5.7	10.4	7.0	-33%	93%	2016	4.4	0.23	0.45	1.2	200%	3
181	64	211248	FlkRam21	162	0.3	6.7	9.2	6.5	-30%	87%	2014	3.0	**0.35**	0.50	-1.4	267%	3
182	64	210647	FlkRam21	160	0.3	7.5	11.4	6.4	-44%	108%	2014	5.2	0.15	0.33	0.0	233%	3
183	65	211986	FlkRam21	158	0.4	6.3	9.6	8.3	-14%	96%	2015	3.3	0.27	0.42	-1.5	200%	3
184	65	213419	FlkRam21	**186**	0.7	**10.4**	**15.5**	10.5	-33%	70%	2020	**5.5**	**0.37**	**0.62**	1.2	100%	1
185	66	213313	FlkRam21	**181**	0.5	7.8	13.7	11.6	-16%	82%	2019	**5.4**	**0.34**	0.53	-0.7	200%	2
186	66	210234	FlkRam21	**180**	0.7	9.5	**15.6**	11.3	-28%	57%	2018	**7.4**	0.28	0.53	-0.5	200%	2
187	67	213860	FlkRam21	**177**	0.8	**12.1**	**18.2**	18.6	2%		2018	**6.5**	0.24	0.44	**1.3**	125%	3
188	67	212756	FlkRam21	**175**	0.6	8.3	12.5	11.0	-12%	118%	2018	4.9	**0.34**	**0.64**	0.4	225%	3
189	68	213315	FlkRam21	**173**	0.6	**10.1**	14.9	10.4	-31%	89%	2019	5.0	0.24	0.44	0.2	100%	2

CLOVEN HILLS 2023 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	SIRE	Fat Depth (PFAT)	Eye Muscle Depth (PEMD)	Lean Meat Yield (LMY)	Dress (%)	Intramuscular fat (IMF)	Shear Force (5 days)	Foot Colour	Nose Colour	Progeny	Breech Cover	Worm Egg Count (PFEC)	Dag Score	Wool Score	Mic Ave	Mic Dev	YGFW	Genotyped	Myostatin GDF8 No. of copies
163	55	CH-202023	-0.5	**2.7**	**7.0**	**3.2**	-1.0	3.1	5	1	38	3	-16	3	3.5	37.6	4.6	7	2	0
164	55	CH-180887	0.2	**2.5**	4.9	**2.6**	-0.3	1.1	5	5	44	2	0	1	3.2	33.3	0.3	10	2	0
165	56	CH-200718	-0.1	**2.4**	5.0	**2.9**	-0.8	3.5	3	3	0	3	-45	1	3.7	31.3	-1.7	1	0	
166	56	CH-201897	-0.3	**2.8**	**6.6**	**2.8**	-1.0	4.0	5	3	0	2	-47	1	2.7	28.5	-4.5	-16	2	1
167	57	CO-182445	-0.9	**2.4**	**7.2**	**2.4**	-1.2	6.7	5	5	33	2	-61	1	2.8	31	-2	-7	2	0
168	57	CH-202707	-1.6	1.4	**7.6**	**3.4**	-0.7	3.4	5	5	0	2	-48	4	3.5	37.3	4.3	0	2	1
169	58	CH-191418	-1.2	2.0	**7.4**	**2.5**	-1.1	5.7	3	3	0	2	**-64**	4	3.3	37.1	4.1	-5	2	0
170	58	CH-202012	-0.1	1.7	5.2	2.3	-0.8	4.5	4	3	0	3	**-65**	1	3.7	35.6	2.6	-11	0	
171	59	CH-201897	0.1	**2.3**	5.0	**2.7**	-0.6	2.7	4	1	0	2	**-63**	1	3.7	33.8	0.8	-7	2	2
172	59	CH-180191	-1.0	1.5	4.9	1.6	-0.8	5.5	2	1	0	2	-51	4	4.3	36.7	3.7	**25**	0	
173	60	CH-191527	-0.4	**2.5**	5.1	**2.9**	-0.3	**0.1**			0	1	-53	1	3.0			5	2	1
174	60	CH-202012	-0.4	**2.4**	5.4	**2.4**	-0.9	3.7	5	3	0	1	-49	1	3.7	42.1	9.1	-7	0	
175	61	CH-201915	-0.5	2.0	**5.9**	**2.7**	-0.4	2.2	4	3	0	1	-11	1	3.3	28.8	-4.2	-2	2	1
176	61	CH-201939	0.1	2.0	4.1	2.1	-0.3	0.9	5	5	0	2	-42	3	3.3			-2	0	
177	62	CH-202707	-1.1	1.7	**6.1**	**2.9**	-0.5	2.4	4	4	0	2	-33	3	3.2	40.2	7.2	7	2	1
178	62	CH-191527	-0.3	1.8	**5.9**	2.0	-0.9	3.2	3.5	3	0	3	-3	3	3.2	29.7	-3.3	-19	0	
179	63	CH-202574	**0.5**	2.2	3.8	**2.8**	-0.3	1.7	3	3	0	1	**-64**	1	3.5	27.4	-5.6	-1	0	
180	63	CH-202537	0.2	1.9	3.7	1.9	-0.6	2.9	5	3	0	3	-11	3	3.7	30	-3	3	2	1
181	64	CH-191527	0.0	2.1	5.3	2.0	-0.8	2.3	2.5	1	0	2	3	1	3.2	24.1	-8.9	-22	0	
182	64	CH-190773	-0.8	1.7	5.5	2.2	-0.8	3.7	4	3	0	3	-21	1	4.2	35.5	2.5	3	0	
183	65	CH-191280	-0.1	2.1	3.9	**2.5**	-0.5	**0.7**	4	3	0	2	-39	1	4.3	36.8	3.8	8	0	
184	65	CH-202127	-1.3	1.2	**7.1**	2.1	-0.9	5.7	5	3	1	3	-9	4	2.5	31.9	-1.1	-7	2	0
185	66	CH-202246	**1.1**	**3.1**	4.2	**3.4**	-0.6	1.4	5	3	0	2	-44		2.8			-3	2	
186	66	CH-180191	-0.7	1.5	4.5	2.3	-0.3	**0.4**	3	1	0	2	-41	3	3.5	36.1	3.1	**23**	2	2
187	67	CH-191418	-1.1	1.6	**6.2**	**2.6**	-1.2	6.0	1	1	0	2	-47		3.2	37.8	4.8	17	2	
188	67	CH-201915	-0.2	2.0	5.5	1.9	-0.7	3.6	4	3	0	1	-46	1	3.2	27.2	-5.8	-12	2	1
189	68	CH-201490	-0.7	0.9	5.6	2.1	-0.5	3.8	5	3	0	4	-49	4	3.8	33	0	4	0	

CLOVEN HILLS 2023 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	TAG ID	Type	Maternal Carcase Production Index MCP+	Birth Weight (BWT)	Weaning Weight (WWT)	Post Weaning Weight (PWWT)	Adult Weight (AWT)	Growth after post weaning (AWT-PWT)	Stocking Rate Dam Efficiency (%) (kg lambs weaned per kg ewe)	Dam Birth Year	Scrotal Circum-ference (PSC)	Weaning Rate (WR)	Yearling Weaning Rate (YWR)	Maternal Weaning Weight Milk (MWWT)	Average Dam Weaning %	Birth Type
190	68	211500	FlkRam21	**172**	0.6	7.1	12.4	8.1	-34%	83%	2016	4.6	**0.31**	0.50	-0.8	180%	2
191	69	212738	FlkRam21	**171**	0.8	9.9	**16.6**	16.0	-4%	66%	2016	**5.4**	0.23	0.44	0.9	200%	3
192	69	212545	FlkRam21	**171**	0.6	8.5	13.9	12.3	-12%	81%	2015	4.4	0.26	0.47	0.2	183%	2
193	70	212025	FlkRam21	**170**	0.8	7.4	12.9	9.8	-24%	79%	2015	4.3	0.28	0.55	-0.4	200%	2
194	70	210019	FlkRam21	**169**	0.2	8.0	12.2	9.5	-22%	83%	2018	4.4	0.21	0.55	1.2	200%	2
195	71	213815	FlkRam21	165	0.3	6.3	10.3	7.8	-24%				**0.33**	**0.57**	-1.3		1
196	71	210527	FlkRam21	164	0.5	8.9	12.9	10.4	-19%	96%	2014	5.2	0.14	0.34	1.0	171%	2
197	72	211831	FlkRam21	162	0.4	7.7	11.9	10.7	-10%	66%	2018	4.9	0.26	0.55	-0.6	200%	2
198	72	210244	50%Mer	161	0.4	9.4	14.3	15.0	5%	92%	2019	4.6	0.21	0.23	**1.3**	167%	2
199	73	212240	FlkRam21	159	0.4	9.0	12.6	10.2	-19%				0.22	0.38	-1.0		2
200	73	210403	50%WS	154	0.7	**10.5**	14.7	16.0	9%	88%	2019	4.3	0.06	0.32	0.4	150%	1

NOTES

CLOVEN HILLS 2023 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	SIRE	Fat Depth (PFAT)	Eye Muscle Depth (PEMD)	Lean Meat Yield (LMY)	Dress (%)	Intramuscular fat (IMF)	Shear Force (5 days)	Foot Colour	Nose Colour	Progeny	Breech Cover	Worm Egg Count (PFEC)	Dag Score	Wool Score	Mic Ave	Mic Dev	YGFW	Genotyped	Myostatin GDF8 No. of copies
190	68	CH-202246	-0.1	1.9	5.1	**2.5**	-0.7	3.0	4	3	0	3	-33	3	3.2	29.7	-3.3	-4	0	
191	69	CH-201490	-0.5	1.1	4.6	**2.5**	-0.2	1.4	4	3	0	2	-43	3	3.5			17	0	
192	69	CH-201490	-0.5	1.5	4.3	**2.5**	-0.2	0.9	5	3	0	3	-50	1	3.7	31.4	-1.6	19	0	
193	70	CH-180191	-1.1	1.0	4.5	2.0	-0.5	1.9	2	1	0	0	**-63**		3.5	31.8	-1.2	19	0	
194	70	LP-152562	**0.5**	1.8	4.1	1.9	-0.2	4.1	4	3	0	1	-41	1	3.3	34.5	1.5	4	2	0
195	71	CH-201787	0.2	1.8	3.7	2.2	-0.3	1.3	1	1	0	2	-27		2.8	36.1	3.1	1	2	
196	71	CH-190773	-1.2	2.0	**5.9**	**2.4**	-0.8	4.0	2.5	1	0	3	-29	1	3.7	34.5	1.5	7	2	0
197	72	CH-201479	-0.2	1.7	4.4	1.7	-0.5	2.5	3	1	0	2	-6	4	3.5	28.7	-4.3	5	0	
198	72	AN-160390	-0.9	0.7	4.3	1.9	-0.3	2.5	1	1	0	0	**-63**		3.2	26.9	-6.1	**30**	0	
199	73	CH-201490	-0.8	1.1	4.9	2.2	-0.1	1.0	4	5	0	2	-43	3	2.8	30.7	-2.3	5	2	1
200	73	WO-173980	-0.1	2.0	5.4	1.9	-0.2	2.0	3	1	0	1	**-69**	1	3.5	35.1	2.1	-6	0	

NOTES

EXPLANATION OF INFORMATION

Percentile bands for Maternal ASBVs are included. These are the best way to determine where an animal's individual trait compares to the entire breed using LAMBPLAN.

"Cloven Hills has adopted the MCP+ index which targets self replacing systems where fertility and growth are the main priorities. It increases PWWT by 3.1kg without increasing AWT. The new M$ Index increases PWWT by 3.9kg but it also increases AWT by 3.5kg. This is over a 10 year period using average indexes but would be a greater increase in a shorter time using higher indexing animals."

ASBV DESCRIPTIONS

ASBV	Meaning	DESCRIPTIONS
BWT	Birth weight	Rams with a more negative BWT produce lambs which are lighter at birth. Benefit- join ewe lambs/maidens to lower BWT values for birthing ease.
WWT	Weaning weight	Rams with a more positive WWT will produce lambs that grow quicker @ 100 days. Benefit - more trade suckers off mum.
PWWT	Post weaning weight	Rams with a more positive PWWT will produce lambs that grow quicker @ 225 days.
AWT	Adult weight	Rams with a higher value will produce progeny with higher adult weights.
PFAT	Post weaning fat depth	Rams with a more negative PFAT produce progeny that are leaner.
PEMD	Post weaning eye muscle depth	Rams with a more positive EMD have more muscle and yield more lean meat.
SF5	Shear Force	Shear force is a measure of the force or energy required to cut through the loin muscle of a lamb after 5 days of ageing. Rams with more negative SF5 produce lambs with more tender meat.
LMY	Lean Meat Yield	Rams with more positive LMY produce lambs that have higher lean meat yield percentage at slaughter.

ASBV	Meaning	DESCRIPTIONS
PWEC	Post weaning worm egg count	Rams with a more negative WEC have a higher genetic potential to resist worms.
PSC	Post weaning scrotal circumference	Rams with more positive SC produce more fertile daughters.
NLW	Number of lambs weaned	Rams with a more positive NLW will produce daughters that wean a higher % of lambs.
PSC	Post weaning scrotal circumference	Rams with more positive SC produce more fertile daughters.
YNLW	Number of lambs weaned	Rams with a more positive YNLW will produce daughters that wean a higher % of lambs as yearlings.
MWWT	Maternal weaning weight	Rams with more positive MWWT will produce daughters that wean heavier lambs.This is sometimes called "Milk" as it is an estimate of the female's progeny's potential for, milk production and ability to provide a better maternal environment.
Dress	Dressing Percentage	Rams with more positive dressing percentage produce lambs that have higher Lean Meat Yield percentage at slaughter.
IMF	Intramuscular Fat	Intramuscular fat is a measure of the chemical fat percentage in the loin muscle of a lamb and is often referred to as marbling. Rams with more positive IMF will have higher levels of intramuscular fat.

EXPLANATION OF INFORMATION cont.

	Number	MCP+	BWT	WWT	PWT	AWT	PEMD	LMY	PFAT	PWEC	YWR	WR	PSC	MWWT	IMF	SHEARF5
50th PERCENTILE BAND		142	0.5	7.9	11.7	12.7	0.1	4.1	-0.5	-34.5	0.36	0.14	3.8	0.29	-0.4	3.3
CLOVEN HILLS 2023 Jan Sale Catalogue (ave)		176	0.5	9.7	15.1	12.9	2.0	5.7	-0.4	-39	0.49	0.26	5.5	0.4	-0.7	3.7
CLOVEN HILLS 2022 Sale Catalogue (ave)	532	170	0.6	9.2	14.1	12.1	1.8	5.3	-0.5	-37	0.44	0.25	5.1	0.2	-0.7	3.5
CLOVEN HILLS 2021 Sale Catalogue (ave)	500	165	0.5	10.1	16.1	13.8	1.9	6	-0.4	-29			6.1	0.1	-0.7	3.3
CLOVEN HILLS 2020 Sale Catalogue (ave)	334	157	0.5	9.8	15.2	13.7	1.7	5.8	-0.6	-14			5.2	-0.1	-0.6	4.1
CLOVEN HILLS 2019 Sale Catalogue (ave)	250	153	0.5	9.6	15	14.3	1.5	5.3	-0.7	-16			4.9	-0.1	-0.6	4.2
Cloven Hills Accuracy Sale Drop (%)		51%	65%	70%	71%	64%	65%	61%	65%	52%	55%	46%	56%	55%	48%	51%
Heritability			10%	20%	25%	40%	35%	42%	25%	25%			40%	10%	50%	30%

NOTES ON LOT LISTINGS

Figures shaded black represent top 5% ASBVs.
Grey boxes with bolded numbers represent top 10% ASBVs.
Grey boxes represent top 20% ASBVs.
Shaded Sires of rams are in the top 150 Sires in the maternal database.

BWT ASBVs of 0.4 or less (shaded grey), are generally suitable for ewe lambs/young ewes. We use 0.4 without any trouble (over ewe lambs that grow to a mature weight of 65kg). However 0.3 and less is desirable if you have smaller framed ewes.

More efficient ewes are better for increasing stocking rates. Stocking rate efficiency of the dam is calculated using Cloven Hills raw data. For the lifetime of the ram's dam, we have put the average kg she has weaned as a percentage of her body weight.

Similarly we have also given the average percentage of lambs the ram's dam has weaned for her lifetime. This is also Cloven Hills raw data, and we have included the dam's birth year. For younger ewes it will be less accurate.

This year we have DNA tested 20% of 2022 drop ram lambs so far. All 2018, 2019 and 2020 ewes are genotyped plus 43% of 2021 ewes and some of the 2016 and 2017 ewes.

We have also included a column to indicate which of the tested rams have the GDF8 gene for muscling. Some rams have one copy and some have 2 copies. If you are wanting to increase lean meat yield this may be of interest.

Wool:
1 = Downsy, 5 = Open.
For a self replacing flock 2.5-3.5 is ideal. For ewes 3.5 is preferred to ensure fleece weight, openness and easy care. An ideal lamb pelt is 2.5.

Wool Micron:

Micron was collected from the mid-side at post-weaning age. Micron varied from 21μm to 45μm with an average micron of 33.1μm. **Note - these are raw pin bone samples. Research shows pin bone is generally 2 micron higher than side sample.** Raw micron and deviation from average are displayed. These measurements will be entered into Sheep Genetics to create ASBVs for the future.

Abbreviations:

CH = Cloven Hills	IN = Inverbrackie	WO = Woolumbool
CO= Cashmore Oaklea	LP = Lambpro	AN = Anderson

Weaning Rate (WR):

Weaning rate (WR) is defined as the number of lambs weaned per ewe joined, and is expressed in the units of 'lambs'. It is replacing number of lambs weaned (NLW).

Weaning rate is calculated using the component traits conception (CON), litter size (LS) and ewe rearing ability (ERA) by accounting for the economic value on each of these traits at different flock litter sizes.

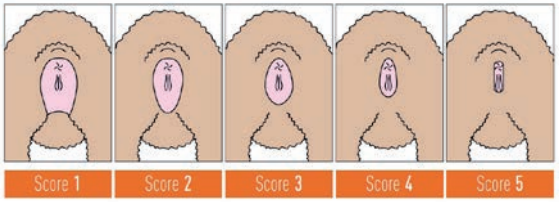
For example, consider two rams, one with a WR ASBV of 0 and the other with a WR of 0.5. As rams make up half the genetic merit of their progeny, the ram with a WR of 0.5 will have daughters who on average wean 0.25 more lambs per ewe joined, than the daughters of a ram with a WR of 0.

ASBVs:

The ASBVs in this catalogue are based on the Sheep Genetics run from the 15th December 2022.

EXPLANATION OF INFORMATION cont.

Breech Cover (BCOV)



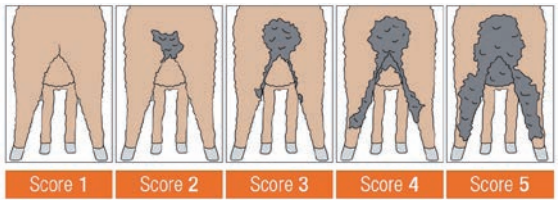
Breech Cover is scored on a 1-5 scan and refers to the amount of natural bare skin around the perineum and breech are, in particular, the depth and width of bare skin below and surrounding the vulva or anus.

- A score of 1 is an animal with a natural bare area that extends outwards around the anus and vulva and right down to the bottom of the breech area (the channel)
- A score 5 is an animal with has complete wool cover - no bare skin at all in this area.

Requirements for scoring breech is that the animal:

- Must be at least 4 mths old
- Must be unmulsed
- Within 1 mth post shearing
- Must be at least 4 mths old

Dag (DAG)



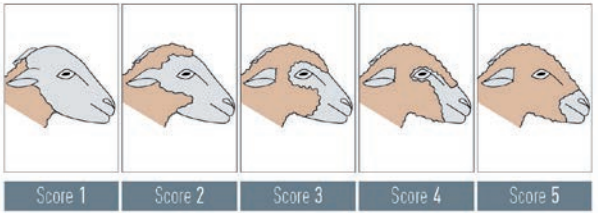
Dag is on a 1-5 scale and refers to the quantity of faecal material adhering to the wool surrounding the breech and extending down the hind legs.

- A score of 1 is an animal that has no dags on the legs or breech.
- A score of 5 is an animal that has extensive dags from the breech area, extending down the hind legs to the pasterns.

Requirements for scoring dag is that the animal:

- Must be at least 4 months old.
- Be scored either
  - o prior to crutching
  - o when 30-40% of the mob are scouring
  - o approx. 2 months after the dominant rainfall 'season' break.
- Has not been mulesed.

Face cover (FACE)



Face cover refers to the degree of wool cover on the face, including the top of head and jowl, on a scale of 1-5.

- A sheep with Score 1 has an open face with no wool on the jowls or top of the head.
- A Score 5 sheep has wool covering its entire face, commonly referred to as 'wool blind'.

Requirements for scoring face is that the animal:

- Must be at least 4 months old
- Must have minimum of 3 months wool

Foot colour

1 = white 3 = striped 5 = black

Nose colour

1 = pink 3 = mixed 5 = black

"The main thing I like is they're always very choosy about their genetics, I know that Kate's always looking for the best genetics in her AI program, always trying to improve the genetics.

"And with maternal Composites you know what you are getting - one line of sheep, they're hardy and they're tough.

"I use stocking rates around 20 (Dry Sheep Equivalents) … the Cloven Hills growth rates are really good (and) this is early finishing country with gravel hills, gravel or sandy, there's not much tabletop, so the toughness in the sheep is a must.

"The ewes are in containment later in the summer and probably getting fed straw, they're run hard but they maintain that good score and the worm egg counts means we only drench once a year, for the middle-aged ewes.

"Low dag score – easier management all around.

"The moderate adult weight is also a big attraction because they're easier to handle, shearing is not a problem."

- Mareeta Cox, Vic.

SHEEP GENETICS PERCENTILE BAND REPORT 15/12/2022

Band	MCP+	BWT	PWT	AWT	MWWT	PEMD	PFAT	YGFW	WR	SHEARF5	IMF	LMY	DRESS	PSC	PWEC	WWT	YWR
1	182.17	-0.05	17.46	19.79	2.19	3.11	1.37	28.12	0.37	-1.25	0.31	7.08	3.13	6.47	-80.5	11.66	0.68
5	173.99	0.12	15.83	17.55	1.62	2.54	0.7	24.02	0.32	0.06	0.11	6.26	2.72	5.72	-69.19	10.62	0.6
10	169.18	0.19	14.96	16.48	1.32	2.23	0.41	21.46	0.29	0.75	0.01	5.81	2.47	5.33	-62.11	10.05	0.56
20	162.4	0.28	13.91	15.26	0.95	1.84	0.07	17.64	0.25	1.62	-0.12	5.25	2.17	4.84	-52.27	9.38	0.5
30	155.84	0.35	13.13	14.39	0.69	1.53	-0.17	12.77	0.22	2.24	-0.21	4.85	1.94	4.47	-45.25	8.88	0.46
40	149.62	0.41	12.44	13.62	0.48	1.25	-0.35	8.44	0.19	2.78	-0.29	4.5	1.73	4.12	-39.17	8.43	0.42
50	142.82	0.47	11.77	12.86	0.28	0.97	-0.52	5.33	0.15	3.25	-0.37	4.16	1.52	3.77	-32.98	7.96	0.38
60	136.33	0.53	11.01	12.07	0.06	0.68	-0.7	2.6	0.12	3.68	-0.45	3.76	1.29	3.4	-26.53	7.42	0.34
70	131.03	0.59	10.11	11.19	-0.18	0.39	-0.89	-0.2	0.08	4.11	-0.55	3.13	1.03	2.99	-19.7	6.73	0.31
80	125.13	0.66	8.87	10.06	-0.48	0.1	-1.11	-3.35	0.05	4.61	-0.66	2.15	0.72	2.54	-11.47	5.77	0.27
90	114.41	0.74	6.88	8.32	-0.9	-0.25	-1.41	-8.13	-0.01	5.31	-0.81	1.33	0.4	1.95	0.71	4.42	0.22

SALE INFORMATION

SELLING AGENT

Nutrien Casterton, 13 Henty Street, Casterton VIC 3311
Rick Smith 0447 770 339
Email: rick.smith@nutrien.com.au
3% Rebate to outside agents

To claim a rebate, a letter of introduction needs to be emailed to Rick Smith 24 hours prior to Auction.

SELLING METHOD

Our sale will be entirely online on AuctionsPlus using their standard format. There will be no live auction on-farm. Please see following page for details on how AuctionsPlus runs this sale.

FREE DELIVERY

Free delivery is available locally, SA (inc. Kangaroo Island), Tasmania, NSW, WA and other nominated destinations by arrangement.

RAM SALE ASSISTANCE

Please let us know if we can assist with selection and short lists.

LUNCH

Lunch will be provided.

SEMEN RIGHTS

Cloven Hills (T/A CM & CG Dorahy) retains the semen marketing rights to all sale rams. Cloven Hills reserves the right to collect semen at their cost, from any rams sold, at a mutually convenient time. Clients may collect semen for their in-flock use only.

OWNERSHIP & INSURANCE

Ownership of the ram/s falls to the buyer at the fall of the hammer. Insurance of rams against injury or death including during transit is the responsibility of the purchaser. Please insure your rams/s against loss of use and transit insurance from the fall the hammer on sale day. For information on Achmea insurance please contact Leigh Grinton on 0427 758 328. Please refer to page 28 to find out more.

Transit insurance is available upon registration at buyers cost. Of course, we look after the animals to the best of our ability, but accidents can happen.

SYNDICATE BUYERS

If purchasing ram/s as a syndicate, all members of the syndicate must be declared upon registration.

GUARANTEE

Any ram which proves to be structurally unsound, infertile, or incapable of service (not resulting from an accident) is guaranteed for 2 years. The guarantee shall apply providing the rams incapacity is not caused by injury or disease contracted since leaving Cloven Hills. If any ram does not possess reasonable fertility, although not totally infertile, an agreed veterinarian can be used to ascertain the status.

"We are changing the structure of our sheep operation at Molka, in the past we have run around 4500 ewes, and now we are shifting to a maternal composite for ease-of-breeding, self-replacements.

"Cloven Hills was our choice for rams this year, to go over a line of 1000 composite ewes we have bought in, for their moderate frame, good reproduction rates and low birthweight, focusing on increasing that important kilogram per hectare produced."

- Ben Harrison, The Falls Pastoral, VIC.

Chris and Kate welcomed new client, Ben Harrison and The Falls Pastoral, to our Spring ram sale. The Falls took home 21 head, including Lot 104 who went under the hammer for $3400.

HOW THE SALE WILL OPERATE

OUR SALE WILL BE ENTIRELY ONLINE ON AuctionsPlus™

ALL LOTS IN THE AUCTION ARE OFFERED FOR SALE AT THE SAME TIME.

With the uncertainty created by COVID-19 the last two years, AuctionsPlus has proven to be a vital sale-day link between Cloven Hills and our Australia-wide client base.

You can also view our online catalogue, including photos and videos of each individual ram offered, prior to sale day. **The catalogue can be viewed:**
https://auctionsplus.com.au/auctions/sheep/cloven-hills-summer-ram-lamb-sale-2023/110021

ONLINE BUYERS

- **If you want to use AuctionsPlus for the sale please register on the website AT LEAST ONE DAY BEFORE THE SALE** so your registration can be approved by the AuctionsPlus team – you will need to fill out a quick form and have your PIC and ABN handy.
- If you require urgent approval to buy please phone the office on **02 9262 4222**.

TO REGISTER:

1. **Visit www.auctionsplus.com.au.**
2. **Select register** and fill in your details to log in. The 'dashboard' link located at the top right of the page, is your 'home page' – **click here**.
3. On your dashboard, **complete your registration by requesting approval to buy**. Again, this is at no cost and there is no obligation to buy, just for registering.
4. **Click on 'Request Approval'** and complete the relevant information at each step. Please note: You will need a PIC to register as a buyer.
5. A great feature on your dashboard, is the **'resources'** section. By clicking this link, you will find two videos taking you through every step of using the website. If you feel confident to jump straight into using the site, simply click on the 'Auctions' tab at the top of you dashboard, scroll to sheep and click on our Cloven Hills sale, listed for January 20.

CONTACT DETAILS - FOR THE SALE & SETTING UP PRIOR

- If you have any questions on sale day please call the **Auctions Plus** office on **02 9262 4222** or send an email to **studsales@auctionsplus.com.au**
- **Please don't hesitate to call Kate on 0409 784 340 if you have any other questions**

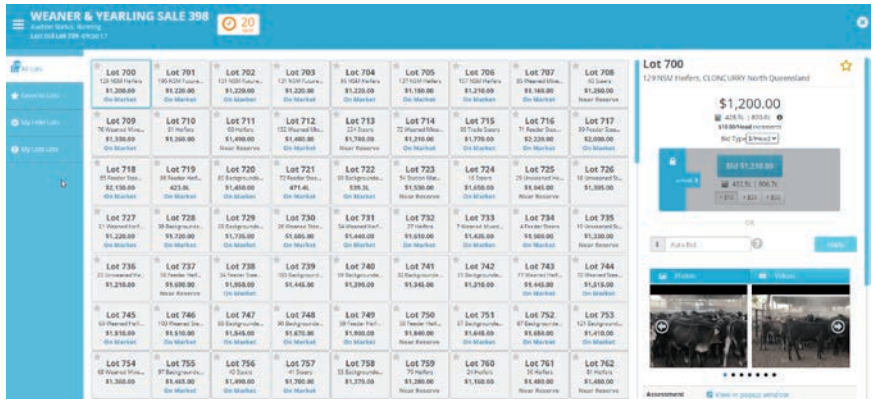
BIDDING - ENSURE YOU GET THE RIGHT RAM

- **Once connected to the auction,** click on the tile of the lot you are interested in bidding on. Further details of the lot will appear on the right-hand side of the screen, including a link for the assessment and photos. The current price will also be shown.
- **To place a bid,** you must unlock the lot, by clicking the padlock then click the blue button which will say 'Bid $___'.
- **The lot will turn green** once you place a bid to indicate you are holding the lot. **If you are outbid, the lot will turn red**.

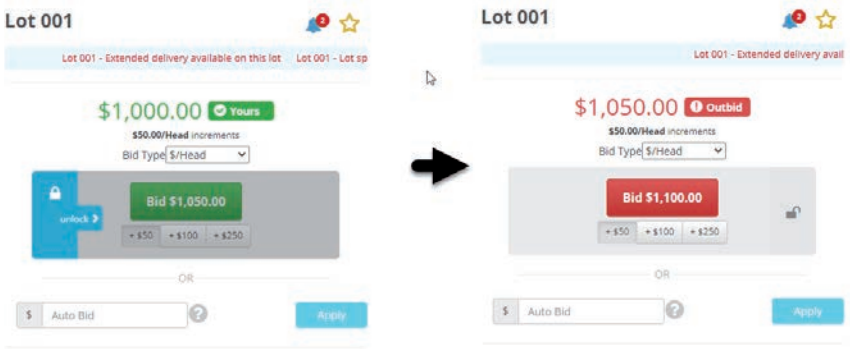
TO ENSURE YOU ARE CORRECTLY BIDDING ON THE RAMS, PLEASE TAKE A QUICK LOOK AT THE FOLLOWING SLIDES.

Each slide shows a different stage of the sale process, which is repeated throughout the auction.

- Once you have joined the auction, **all lots on offer will be displayed** as shown below:



- Once you have successfully placed your bid, the lot will change to green
- If you get outbid, the lot will change to red and you will be able to bid again



Cloven Hills blood lambs, bred on Helen Baillie's Wesley Dale Strowan farming operation in Tassie, have hit the nail on the head for another Tassie business.

Australian family-owned meat processor, Tasmanian Quality Meats, has been buying Helen's lambs for around a year and the quality and consistency of the product sees it shipped two days, every week, to Queensland under the processor's blue ribbon label.

"We've got a premium lamb brand, Lamb of Tasmania and a normal strip brand product and the demand for our products is growing all the time … at this stage, people can't get enough, we can't do enough," TQM livestock manager, Steven Faulkner said.

TQM was introduced to Helen's lambs last year and while at first sight, Steven was sceptical of the product, the Mole Creek-produced lambs are now a key component of the company's weekly Queensland supply.

"Mark Webb at Webb and Woodiwiss brings a nice supply of lambs to us every week," Steven said.

"He's got a large client base and when the first consignment of (Wesley Dale lambs) turned up, myself and the other buyer were there that morning.

"We looked at each other, at these little lambs … we didn't think they'd make the weight.

"Later we looked at the computer and they were two to three kilograms heavier than they looked.

"They're a very shapey, meaty little carcase and the weight comes with the width and the quality of the meat.

"They're a very consistent weight and shape, the weight range is 22 to 23 kilograms, three or four score fat, not overly fatty, just ideal fat scores."

He said while Cressy offered "lambs galore" within a 100-kilometre radius of the TWM operation, Cloven Hills and Wesley Dale "just fits with what we do here".

"Wesley Dale has only been with TQM about 12 months and Cloven Hills was a line we never investigated too much, but once we got to work killing the product … it was just right the weights are right, everything's right," Steven said.

"That all comes back to the quality of the genetics, the bloodline, but also the on-farm management and selection.

"We're very happy with it because we've got a guaranteed product.

"The Queensland truck needs to be loaded by lunchtime, it needs chilled to the right temperature.

"If we have a line of lambs all over the place, we need to grade more down to the chiller … Wesley Dale is always first on the list for the Queensland kill because we know the product is going to be right."

Tasmanian Quality Meats manager, Jake Oliver, with Cloven Hills-blood lambs destined for their premium brand.

BIOSECURITY (FMD): WEAR CLEAN SHOES AND CLOTHING.
WASH YOUR VEHICLE AND TRAILERS PRIOR TO COMING.
FOLLOW ANY OTHER PROTOCOLS AS DIRECTED.

QUALITY ASSURANCE & ANIMAL HEALTH

- ✓ Lambplan recorded (5 star data quality score)
- ✓ Brucellosis Free, Accreditation 3604 (Expiry 31/7/24)
- ✓ OJD Eligible All States, approved vaccinates
- ✓ Guaranteed for 2 years (structure and death)
- ✓ Rams have full 6 in 1 history
- ✓ Rams Shorn August
- ✓ Rams Testicles have been checked
- ✓ Rams have been treated with Extinosad post shearing
- ✓ Rams have been drenched post shearing with Trifecta
- ✓ Health Statements supplied with NVD

ACKNOWLEDGMENTS

We would like to thank everyone that has helped us get ready for today, it is very much appreciated. While every care has been taken with the information and accuracy of this catalogue, no responsibility is accepted for any errors which may have occurred.

"Kate and Chris understand the broader picture, the challenge of being where we are with terrible phone reception, having busy lives and trying to fit that with farming.

For us the Cloven Hills genetics create a sheep that fits with our environment and business, they're an animal that is easy maintenance … and grows a good lamb quickly.

They care about the future of farming and it flows through to their rams."

- Celia Scott

"We have a lot of farming enterprises that run large numbers of ewes here in Tasmania, under high stocking rates, so the Cloven Hills genetics is leading the way in stocking rate efficiencies.

"That moderate adult weight is a market 'must', but an OH&S issue as well for sheep handling and the benefits in those respects, of using the Cloven Hills genetics, is certainly recognised.

"We are seeing a clear swing away from traditional Border Leicester/Merino flocks with the larger producers running either a Merino or composite flock in large numbers because of the ease of management and availability of genetics.

"That trend won't change (and) … (Tasmanian producers) trust (Cloven Hills') performance."

- Mark Webb, Webb and Woodiwiss, TAS.

Tassie agent and client, Mark Webb and business partner, Reg Woodiwiss, Webb and Woodiwiss Livestock Marketing.

NOTES

MAJOR SIRES IN CATALOGUE

CLOVEN HILLS 202520
Beautiful black pointed moderate sized son of 170188.
Ranked # 1 nationally. MCP+ 203. Good all-rounder.

CLOVEN HILLS 202127
Ranked # 3 nationally.
Top 1% for fertility and top 5% for growth.

2017-188 stood out from the pack even as a ram lamb, with the early classing comments saying 'Very nice, huge nuts!'.

If you haven't ever been convinced about the correlation between scrotal circumference and daughter fertility, this guy will convince you. We know he breeds moderate ewes that are highly fertile and he keeps condition on his back with not much tucker and a dag score of 1!

CLOVEN HILLS 2017-188
Ranked # 8. MCP+ 193. Best performer. Huge influence on national flock with 2460 progency, including sons and grandsons.

CLOVEN HILLS 2019-123
Ranked # 11. MCP + 190. Physically a smaller ram. Top 1% for growth and muscle. Top 5% fertility and top 10% for hogget fertility.

CLOVEN HILLS CH 19-1280
Ranked # 14. MCP+ 185. 209 progency. Top 5% for fertility. Top 5% for muscle. Top 20% for WEC. Top 20% for fat (0.4). Great temperament. Moderate ram.

MUD MAP TO CLOVEN HILLS

450 HAYDENS ROAD, NAREEN VIC 3315

VIEW ON-FARM

Visit our website, email or call us for more details

KATE & CHRIS DORAHY | CLOVEN HILLS

03 5579 8519 | 0428 798 519 or 0409 784 340

E: info@clovenhills.com.au

W: www.clovenhills.com.au

RICK SMITH | NUTRIEN

0447 770 339

E: rick.smith@nutrien.com.au

Fertility | Growth | Carcase | Hardiness

(OJD Vacc. Bruc. Accred)

CLOVEN HILLS EST. 1977

Nutrien Ag Solutions®

AuctionsPlus®

"Cloven Hills rams are unique in that Kate and Chris not only recognise the importance of figures, but also assess and select for type, wool, feet and structure. They recognise farmers have plenty of things to spend their money on and are therefore offering enough rams to ensure clients are again offered excellent buying value", *Rick Smith, Nutrien Casterton.*