CLOVEN HILLS EST. 1977

WELCOME TO CLOVEN HILLS'

SUMMER RAM LAMB SALE

FRIDAY, 29 JANUARY 2021 AT 11AM

VIEWING FROM 9.30AM

TOP RANKED MATERNAL GENETICS | PURPOSE BRED FOR PRIME LAMB PRODUCTION | MODERATELY SIZED EWES

SALE CATALOGUE 3% REBATE TO OUTSIDE AGENTS.

ON-FARM AT CLOVEN HILLS, 450 HAYDENS RD, NAREEN VIC 3315
AND ON-LINE VIA AUCTIONSPLUS

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WELCOME TO CLOVEN HILLS'
SUMMER RAM LAMB SALE

FRIDAY, 29 JAN 2021 AT 11AM

AT 450 HAYDENS RD, NAREEN :: OPEN AUCTION IN PENS OF 2

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98 2020 DROP RAM LAMBS
27 2019 DROP ELITE/LOW BWT RAMS

"2020 was certainly a challenge globally, but as farmers, we have been fortunate to continue to operate, albeit with the overlay of home schooling, border restrictions and other disruptions! Whilst it has been a difficult time for everyone in the community, we think farmers have been able to weather the storm better than most because we are conditioned to dealing with uncertainty. We understand intuitively that nothing is a given."

At a production system level, a self-replacing system provides the flexibility to respond when challenges inevitably arise. We know the key profit drivers are fertility, growth and meat yield. Participants in our Zoom presentation with Dr Andrew Whale will remember how critically important lamb birth weight (lamb survival), ewe condition score (conception, ewe survival and growth rates) and feed on offer (stocking rate, milk production and lamb growth) are for realising production targets. At a management level, we believe that having a simple flock structure, timing of joining and managing ewes by pregnancy status and condition score are highly effective strategies for driving the system and the genetics to their full potential.

We are very excited to currently have the top 6 ranked rams in Australia in the Maternal database: 18-191 (MCP+ 188), 19-1280 (MCP + 186), 19-1418 (MCP 185), 17-188 (MCP + 184), 19-123 (MCP + 184) and 19-333 (MCP + 192) respectively, along with 30 out of the top 50. The sons of these elite sires are well represented in the rams offered in this catalogue. Kate is always happy to develop obligation free shortlists to help you select the best genetics for your business.

- Kate and Chris Dorahy – Cloven Hills

We get the whole package from Cloven Hills. We've got all this useful data, but don't really know how to use it once we've got it. It is something that we have to have, to grow our business into the future and Kate has been terrific, showing us how to put the information into useful tables and assess that data, which allows us to make business decisions, based on what each animal in our flock is doing and the data we receive from those ewes and lambs.

At the very least, it allows us to assess and build our flock for strongest performance and in times of drought, for example, we can rate our stock and cull or keep accordingly. It's great to be able to just come across the valley and do this with Kate, with someone I know and I know she's always just a phone call away.

- Bobbie McLean

TOP RANKED MATERNAL GENETICS FROM MODERATELY SIZED EWES

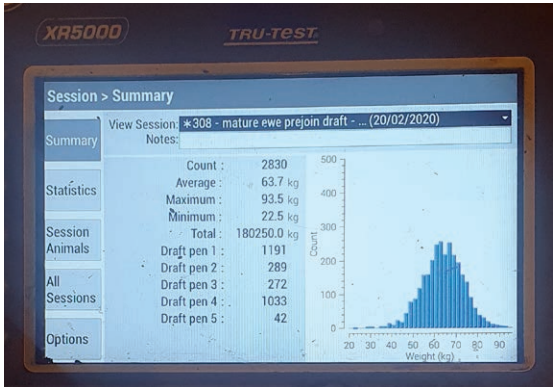
FOCUSING ON BREEDING OBJECTIVES WORKS

We've worked hard at optimising fertility, twins year in year out, selecting for early high growth but low adult weight. Growth and adult weight are positively correlated, so if we are pushing growth it is important to select animals that are curve benders and stop growing after post weaning.

We have been selecting for moderately sized ewes for more than 10 years given, commercially, we have always been driven by stocking rate. It was also a priority given Kate did much of the handling when she was having children. We have targeted 65kg at condition score (CS) 3.2. This year at joining it was 63.7kg at 3.2 CS over 2830 of our core recorded ewe flock. We believe we are right on track with the ultimate aim of ewes weaning twins at 80%+ of their body weight at 12 weeks of age.

In looking at the last 10 years of our recorded data, we have averaged 49.5kg and 165% weaning per ewe. The daughters of Cloven Hills 11-43 have averaged 52.3kg and 178%, whilst the daughters of Twin Farms 07-807 (the Sire of Cloven Hills 17-188) have averaged 48kg and 192% (2013-2019). The daughters of our younger sires are exhibiting even higher weaning percentages and their lambs stronger growth, so we are excited about reporting on their influence in our flock as the numbers of progeny increase.

Fertility, growth, carcase and resilience drive these selections. Longevity and resilience are equally important as we continue to see an increase in seasonal variability. On page 23 are a range of our 2020 sires that bring a balance of these traits along with newer meat-eating traits.



CLOVEN HILLS RAMS

- 9 out of the top 10 rams in the Maternal Database (All Sires)
- 16 out the top 20
- 30 out of the top 50
- Highest number of rams (52) from any prime lamb stud in the top 150 Maternal Sires

The basis of Cloven Hills' practice is generations of data gathered from a lot of strong blood lines. You can't see fertility, you can't see shear force. Extensive data collection and analysis, heavy selection pressure, culling and selection of desirable traits, including physical ones such as black feet are pivotal.

RESILIENCE, LONGEVITY AND PERFORMANCE

Unfortunately, we lost our 11-043 last year to a hip injury. However, we have taken great pride and satisfaction in seeing his twin sister CH 11-042 back up for another year in 2020, successfully having triplets. She has produced 21 lambs in 9 years, starting as a ewe hogget. To date her weaning efficiency averages 238% and her kilograms weaned as a percentage of body weight is 103%. Among her progeny is son 14-919 and she is also in the pedigree of nationally ranked rams 1,2 and 4. Fantastic to see numbers working in the paddock!

PROVEN SIRES DELIVER ON KEY PROFIT DRIVERS

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 (p3) who is in the pedigree of a significant portion of the rams in this catalogue.

Hence, we are proud to offer 3 stud sires at our first annual Summer Ram Sale. These leading rams are proven performers and are well balanced with the traits required in a modern and profitable prime lamb enterprise.

CLOVEN HILLS 2017-278

This ram ticks the boxes for the two main profit drivers – growth and fertility. He has huge growth – (WWT 12.8 and PWWT 18.9), but is a real curve bender (-21%), meaning his lambs will steam towards target weights but pull up before maturity. He has a great scrotal circumference (PSC 7.5) and NLW 14%. With a YNLW of 25%, his daughters will be highly fertile, even as ewe lambs. His MCP+ and M$ Indices are 170 and 180, respectively and he has 191 progeny, including 1 in this catalogue.

CLOVEN HILLS 2017-529

This ram is an exceptionally well-balanced animal for driving profit – fertility, growth and meat yield. He is highly suitable for ewe lambs (BWT 0.3) and has fantastic growth (WWT 10.6 and PWWT 17), as well as excellent fertility (PSC 7.5, NLW 23%, YNLW 26%). He has great carcass and MEQ traits, which is supported by his ASBVs (PFAT 0.1, PEMD 2.6, LMY 5.7, Dress 3.9, SHRF5 1.4). He is also well proven with 491 progeny, including 8 in this catalogue, and provides great linkage having been used in 7 flocks. (MCP+ 166, M$I 178).

CLOVEN HILLS 2017-188

Cloven Hills 2017-188 has been the best performer in our stud and has had a huge influence in the national maternal flock, with 1781 progeny, including 12 in this catalogue. He has been used in 15 flocks, making him an outstanding linkage and leading sire.

He 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 the fertility of daughters, this guy will convince you! We know he breeds moderate ewes that are highly fertile.

He has a NLW of 26.5% and a YNLW of 48.9% – the real ‘wow!’ factors in his ASBVs. His ewe lamb daughters join with ease. Nothing worries him – he has an amazing temperament and he’ll walk up to most for an inspection – you would think he was a pet, but has been run under full commercial conditions.

All his progeny have good early growth (BWT 0.58, WWT 9.5, PWWT 15.8), and stop (AWT 11.9). He is built like a brick with great carcase (PFAT 0.53, PEMD 3.02). Structurally, he has stood up extremely well being joined to both mature ewes and ewe lambs every year. He has always had a 1 Dag Score and turned up for his video shoot post-Spring as clean as a whistle. He’s as close as we have come to finding it all in one ram (don’t worry we are still looking!). At number 4 in the Maternal Database (MCP+ 184, M$I 192) he is holding his own against younger sires and is still in great demand.

CLOVEN HILLS 2021 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	TAG ID	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 Circumference (PSC)	No. Lambs Weaned (NLW)	Hogget No. Lambs Weaned (YNLW)	Maternal Weaning Weight Milk (MWWT)	Average Dam Weaning %	Birth Type
1	1	200055	**165**	0.7	**11.6**	**17.2**	15.2	-14%	97%	2018	**6.1**	13%	**25%**	-0.8	200%	2
2	1	201561	**168**	0.8	**12.7**	**19.0**	14.9	-27%	51%	2018	**7.1**	13%	**23%**	-0.6	100%	1
3	2	200150	**168**	0.6	**10.5**	**15.8**	13.2	-20%	95%	2018	**5.8**	**18%**	**30%**	0.6	200%	2
4	2	201477	**159**	0.3	8.4	13.5	12.1	-12%	157%	2015	**5.8**	**20%**	**25%**	0.3	300%	3
5	3	200539	**167**	0.9	**12.7**	**18.9**	19.1	1%	111%	2018	**6.9**	**17%**	**26%**	-0.6	300%	3
6	3	200404	**163**	0.5	**11.0**	**16.6**	15.4	-8%	110%	2015	**6.2**	15%	16%	0.1	275%	3
7	4	201645	**160**	0.6	**11.6**	**17.4**	17.3	0%	44%	2017	**5.2**	10%	**18%**	-0.4	150%	2
8	4	200775	**161**	0.6	**11.8**	**18.0**	15.6	-15%	59%	2015	**5.9**	5%	11%	0.7	125%	2
9	5	201843	**167**	0.6	**10.9**	**16.7**	13.9	-20%	47%	2018	**5.4**	12%	**23%**	0.0	100%	3
10	5	201277	**167**	0.6	**11.2**	**16.7**	14.7	-14%	104%	2018	**6.4**	**18%**	**22%**	-0.7	200%	2
11	6	200752	**165**	0.7	**10.3**	**16.0**	13.6	-17%	74%	2018	**6.3**	**17%**	**25%**	0.3	150%	2
12	6	200704	**159**	0.5	8.9	13.6	9.4	-45%	101%	2014	**5.2**	12%	**23%**	0.4	200%	2
13	7	201028	**161**	0.5	**10.1**	**15.9**	14.0	-14%	113%	2018	**6.8**	10%	15%	0.5	200%	2
14	7	200093	**160**	0.7	**10.5**	**16.9**	17.8	5%	63%	2015	**5.7**	9%	15%	**1.6**	233%	3
15	8	200067	**164**	0.5	**11.2**	**16.7**	16.0	-5%	107%	2018	**5.2**	10%	14%	**2.4**	200%	2
16	8	200329	**158**	0.4	**10.0**	15.8	14.0	-13%	74%	2015	**5.1**	7%	10%	0.7	233%	2
17	9	201746	**163**	0.6	**11.5**	**18.1**	17.0	-7%	100%	2017	**5.4**	10%	14%	0.9	200%	3
18	9	200089	**164**	0.6	**12.8**	**19.7**	20.2	2%	107%	2017	**6.3**	7%	10%	**1.5**	200%	2
19	10	200659	**171**	0.8	**13.2**	**19.4**	18.5	-5%	85%	2017	**6.3**	11%	**18%**	1.0	200%	2
20	10	200907	**165**	0.4	9.4	**15.5**	11.8	-31%	92%	2015	**6.3**	11%	**21%**	0.2	150%	2
21	11	202161	**169**	0.8	**12.2**	**18.2**	17.1	-6%	61%	2017	**6.7**	**16%**	**25%**	1.0	167%	3
22	11	202036	**165**	0.5	**11.0**	**17.5**	17.2	-2%	55%	2017	**5.7**	15%	**19%**	0.3	167%	2
23	12	201812	**169**	0.5	**10.3**	**17.5**	16.8	-4%	70%	2018	**6.7**	**19%**	**27%**	0.6	ET	2
24	12	201707	**171**	0.5	**10.9**	**16.8**	14.1	-19%	63%	2017	**5.0**	11%	17%	0.3	150%	2
25	13	201272	**167**	0.6	**12.4**	**19.6**	17.3	-14%	44%	2017	**6.8**	12%	11%	0.3	133%	2
26	13	200270	**164**	0.3	8.8	14.1	11.8	-20%	64%	2017	**5.7**	13%	**20%**	0.2	100%	1
27	14	200228	**165**	0.5	**10.7**	**16.9**	17.6	4%	58%	2017	**6.4**	**16%**	**24%**	**1.6**	150%	1
28	14	201921	**169**	0.5	10.7	17.1	16.3	-5%	85%	2017	6.6	14%	**21%**	0.9	ET	2

CLOVEN HILLS 2021 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	TAG ID	Sire	Fat Depth (PFAT)	Eye Muscle Depth (PEMD)	Lean Meat Yield (LMY)	Dress (%)	Intramuscular fat (IMF)	Shear Force (5 days)	Foot Colour	Nose Colour	Worm Egg Count (PFEC)	Dag Score	Wool Score	Maternal Dollar Index M$I	YGFW	GENOTYPE
1	1	200055	CH-190123	-0.7	**2.5**	**7.1**	**2.6**	-1.0	4.8	Black	Black	11	4.0	3.0	**172**	4	
2	1	201561	CH-190123	-1.2	1.4	**7.4**	2.3	-0.8	4.7	Black	Black	-3	1.0	3.0	**174**	3	
3	2	200150	CH-191280	-0.2	1.9	5.8	2.3	-0.7	3.7	Black	Black	-4	5.0	3.0	**178**	2	
4	2	201477	CH-190157	**0.4**	2.0	4.3	2.3	-0.4	1.7	Striped	Black	10	4.0	4.0	**169**	0	
5	3	200539	CH-190123	-1.4	1.4	**6.9**	2.1	-0.8	4.9	Black	Black	-51	1.0	3.0	**181**	9	
6	3	200404	CH-190323	-0.6	1.8	**6.2**	**2.5**	-0.8	4.9	Striped	Black	-23	3.0	4.0	**173**	3	
7	4	201645	CH-180417	-0.6	**2.3**	**6.9**	**2.9**	-1.0	5.3	Black	Black	-16	3.0	4.0	**170**	3	
8	4	200775	CH-191418	-0.7	2.0	**7.4**	**3.0**	-1.0	5.7	Black	Black	16	3.0	4.0	**168**	0	
9	5	201843	CH-180417	-0.4	**2.5**	**6.7**	**3.0**	-0.9	3.9	Black	Black	5	3.0	3.5	**173**	5	
10	5	201277	CH-190123	-0.4	**2.1**	**6.2**	**2.5**	-0.8	4.5	Black	Black	-12	1.0	3.5	**175**	2	
11	6	200752	CH-191280	-0.7	1.7	5.7	2.1	-0.6	2.5	Black	Black	-11	3.0	3.5	**175**	4	
12	6	200704	CH-170127	-1.0	1.3	5.8	1.6	-0.6	2.2	Black	Black	-30	5.0	4.5	**164**	4	
13	7	201028	CH-190333	-0.3	1.8	5.3	2.2	-0.7	2.8	Black	Black	-44	4.0	4.5	**169**	7	
14	7	200093	CH-181487	-0.3	1.7	5.7	2.2	-0.7	4.8	Black	Black	-49	4.0	4.0	**174**	8	
15	8	200067	CH-181787	-1.0	2.0	**7.0**	**3.1**	-0.9	5.1	Black	Black	-17	2.0	4.5	**177**	4	
16	8	200329	CH-181787	-0.6	1.9	**6.4**	**2.9**	-0.6	3.5	Black	Black	-19	3.0	3.5	**165**	3	
17	9	201746	CH-181787	-0.6	1.8	**7.0**	**3.2**	-0.8	4.7	Black	Mixed	-11	3.0	3.5	**174**	5	
18	9	200089	CH-170135	-0.7	1.6	**6.9**	**3.0**	-0.9	5.6	Striped	Mixed	-44	3.0	3.5	**178**	7	
19	10	200659	CH-191418	-0.5	**2.1**	**7.2**	**3.2**	-1.0	6.0	Striped	Mixed	-29	3.0	4.0	**182**	0	
20	10	200907	CH-190333	-0.2	1.9	5.5	**2.5**	-0.6	2.9	Black	Mixed	-38	3.0	3.5	**170**	8	
21	11	202161	CH-190157	-0.2	1.8	**6.3**	2.3	-0.6	4.8	Black	Mixed	-4	1.0	4.0	**182**	1	
22	11	202036	CH-170529	-0.2	**2.4**	**6.4**	**3.5**	-0.7	3.1	Striped	Mixed	-8	2.0	3.5	**176**	-6	
23	12	201812	CH-180189	0.1	**2.3**	5.6	**3.1**	-0.6	1.7	Striped	Mixed	-9	2.0	3.0	**182**	-3	
24	12	201707	CH-180417	**0.2**	**3.0**	**6.5**	**3.6**	-0.8	3.9	Striped	Mixed	-28	1.0	3.5	**176**	2	
25	13	201272	CH-190040	-0.4	1.5	**6.6**	**3.0**	-0.8	4.6	Striped	Mixed	-15	1.0	3.0	**177**	2	
26	13	200270	CH-181487	0.1	**2.2**	5.2	2.4	-0.8	3.9	Striped	Mixed	**-58**	3.0	3.0	**170**	9	
27	14	200228	CH-181487	-0.8	1.7	**6.5**	2.3	-1.0	5.7	Black	Mixed	-30	2.0	4.0	**182**	12	
28	14	201921	CO-182445	-0.3	**2.1**	**5.9**	**2.6**	-0.7	3.1	Striped	Mixed	**-71**	1.0	3.5	**181**	6	

CLOVEN HILLS 2021 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	TAG ID	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 Circumference (PSC)	No. Lambs Weaned (NLW)	Hogget No. Lambs Weaned (YNLW)	Maternal Weaning Weight Milk (MWWT)	Average Dam Weaning %	Birth Type
29	15	200496	**164**	0.4	9.5	**15.6**	14.2	-10%	56%	2017	**6.3**	12%	**21%**	0.6	167%	2
30	15	201940	**172**	0.7	**11.1**	**18.4**	14.0	-32%	40%	2018	**7.3**	13%	23%	0.5	ET	2
31	16	201297	**171**	0.7	**13.2**	**19.7**	18.0	-9%	69%	2018	**7.4**	15%	23%	0.1	150%	2
32	16	200538	**169**	1.0	**13.6**	**20.0**	20.3	1%	111%	2018	**7.2**	**17%**	26%	-0.6	300%	3
33	17	200112	**169**	1.0	**13.7**	**21.4**	20.2	-6%	83%	2017	**7.0**	14%	**22%**	**1.2**	250%	2
34	17	200782	**166**	0.4	**11.4**	**18.2**	17.6	-3%	91%	2018	**6.5**	**17%**	24%	**1.2**	200%	2
35	18	201056	**164**	0.6	**11.0**	**17.5**	15.0	-16%	95%	2017	**5.1**	8%	11%	**1.3**	200%	2
36	18	200679	**169**	0.6	9.9	**16.5**	14.0	-18%	100%	2016	**5.5**	8%	**18%**	**1.3**	200%	2
37	19	201314	**170**	0.6	12.1	**18.7**	17.3	-8%	59%	2018	**6.2**	15%	**21%**	1.1	200%	2
38	19	202269	**165**	0.7	9.5	**15.9**	11.1	-43%	91%	2016	**6.2**	15%	**21%**	0.8	267%	4
39	20	200773	**164**	0.3	9.2	**16.1**	13.1	-23%	69%	2017	**5.6**	10%	16%	1.0	133%	2
40	20	201352	**164**	0.5	8.9	**14.4**	11.8	-21%	87%	2015	**5.8**	**16%**	30%	0.4	240%	3
41	21	200320	**171**	0.5	**10.5**	**16.3**	12.4	-32%	56%	2015	**6.5**	13%	23%	0.2	140%	2
42	21	200821	**166**	0.6	**11.4**	**17.5**	15.0	-16%	101%	2016	**6.7**	**17%**	23%	0.8	225%	2
43	22	200411	**164**	0.5	**11.5**	**17.5**	16.2	-8%	112%	2017	**6.2**	11%	17%	0.8	200%	2
44	22	201517	**171**	0.2	**10.8**	**17.8**	17.9	1%	51%	2018	**7.2**	**17%**	27%	1.7	ET	2
45	23	201898	**170**	0.5	**10.6**	**17.0**	16.1	-6%	85%	2017	**6.5**	14%	**21%**	0.9	ET	1
46	23	201750	**171**	0.5	**10.3**	**17.6**	16.7	-5%	70%	2018	**6.6**	19%	27%	0.6	ET	1
47	24	201178	**165**	0.5	9.3	**15.7**	12.0	-30%	70%	2017	**6.4**	14%	24%	0.2	175%	2
48	24	201430	**169**	0.5	**11.2**	**16.8**	14.4	-16%	105%	2018	**7.2**	11%	17%	0.7	200%	2
49	25	201175	**163**	0.6	**11.9**	**16.7**	15.4	-8%	118%	2017	**5.6**	12%	**19%**	-0.2	250%	3
50	25	201663	**171**	0.7	**11.8**	**17.6**	16.2	-9%	94%	2018	**6.3**	19%	27%	0.0	200%	2
51	26	200006	**165**	0.5	9.6	14.4	12.2	-19%	95%	2015	**5.3**	**16%**	23%	0.1	200%	2
52	26	202590	**168**	0.6	**10.5**	**17.8**	15.0	-18%	41%	2018	**7.3**	14%	**21%**	-0.2	100%	2
53	27	200619	**164**	0.8	**12.3**	**18.3**	16.8	-9%	56%	2018	**6.6**	10%	17%	0.4	150%	2
54	27	201346	**170**	0.6	**10.3**	**16.3**	13.7	-19%	93%	2017	**7.1**	**16%**	27%	0.2	200%	2
55	28	201572	**163**	0.4	**10.2**	**16.2**	13.9	-17%	79%	2016	**7.1**	10%	12%	0.7	200%	3
56	28	200637	**164**	0.5	**10.9**	**17.6**	17.3	-2%	43%	2015	**6.1**	10%	14%	0.4	125%	2

CLOVEN HILLS 2021 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	TAG ID	Sire	Fat Depth (PFAT)	Eye Muscle Depth (PEMD)	Lean Meat Yield (LMY)	Dress (%)	Intramuscular fat (IMF)	Shear Force (5 days)	Foot Colour	Nose Colour	Worm Egg Count (PFEC)	Dag Score	Wool Score	Maternal Dollar Index M$I	YGFW	GENOTYPE
29	15	200496	CH-190773	-0.2	**2.1**	5.2	**2.6**	-0.5	1.7	Striped	Mixed	-44	5.0	4.0	**174**	12	
30	15	201940	CH-190773	-1.2	1.4	**6.8**	**2.5**	-0.6	1.8	Striped	Mixed	-20	2.0	3.0	**180**	11	
31	16	201297	CH-170278	-0.8	1.6	**6.9**	**2.7**	-1.0	5.9	Striped	Mixed	-16	3.0	3.5	**183**	8	
32	16	200538	CH-190123	-1.5	1.5	**7.3**	**2.2**	-0.9	5.5	Striped	Mixed	-34	3.0	3.5	**184**	10	
33	17	200112	CH-170278	-1.5	0.9	**7.5**	**2.6**	-1.0	5.4	Striped	Mixed	8	4.0	3.5	**186**	12	
34	17	200782	CH-190709	-0.5	1.9	**6.8**	**3.0**	-0.7	3.9	Black	Mixed	27	4.0	4.5	**180**	-2	
35	18	201056	CH-181787	-1.1	1.8	**7.3**	**3.1**	-1.0	5.2	Striped	Mixed	-14	1.0	3.5	**172**	3	
36	18	200679	CH-190137	-0.2	**2.7**	**6.1**	**3.3**	-0.7	2.5	Striped	Mixed	-43	3.0	4.0	**176**	3	
37	19	201314	CH-191418	-0.9	1.5	**7.3**	**2.7**	-1.1	6.1	Striped	Mixed	-41	1.0	4.0	**183**	4	
38	19	202269	CH-170278	-1.2	1.1	**5.9**	2.0	-0.6	2.3	Black	Mixed	8	2.0	4.0	**173**	11	
39	20	200773	CH-190709	**0.5**	**2.3**	5.6	**3.3**	-0.6	2.1	Black	Mixed	-3	2.0	3.5	**171**	0	
40	20	201352	CH-181487	-0.4	1.5	5.3	1.6	-0.7	3.4	Black	Mixed	-47	4.0	3.5	**173**	9	
41	21	200320	CH-170127	-0.5	2.0	**6.1**	**2.7**	-0.5	1.4	White	Pink	-54	1.0	4.0	**176**	5	
42	21	200821	CH-170127	-1.3	0.8	**6.1**	1.7	-0.5	3.0	White	Pink	-21	2.0	4.0	**179**	12	
43	22	200411	CH-170529	-0.3	2.0	**6.3**	**3.3**	-0.8	3.4	White	Pink	-18	3.0	2.5	**173**	-5	
44	22	201517	CH-190709	-0.5	2.0	**6.4**	**2.9**	-0.6	3.2	White	Pink	-38	3.0	4.0	**187**	4	
45	23	201898	CO-182445	-0.4	**2.2**	**6.1**	**2.7**	-0.8	3.1	White	Pink	**-78**	2.0	2.5	**181**	6	
46	23	201750	CH-180189	0.1	**2.5**	5.8	**3.2**	-0.7	1.6	Striped	Pink	-9	1.0	3.0	**183**	-3	
47	24	201178	CH-190773	-0.3	1.7	5.2	2.3	-0.4	1.6	Striped	Pink	-5	3.0	4.0	**172**	12	
48	24	201430	CH-190773	-0.6	**2.3**	**6.4**	**2.7**	-0.8	3.4	Striped	Pink	-39	2.0	4.0	**177**	10	
49	25	201175	CH-180417	-0.2	**2.2**	**6.4**	**2.8**	-1.0	5.9	White	Pink	-15	4.0	3.5	**171**	-2	
50	25	201663	CH-191280	-0.5	**2.2**	**6.5**	**2.9**	-0.9	4.9	Striped	Pink	-19	3.0	4.0	**182**	-1	
51	26	200006	CH-191280	0.0	2.0	5.5	2.3	-0.7	4.8	White	Pink	-56	3.0	4.5	**171**	-3	
52	26	202590	CH-190773	-0.9	1.9	**6.5**	**2.6**	-0.8	2.3	White	Pink	-12	4.0	4.0	**177**	11	
53	27	200619	CH-191418	-1.0	1.7	**6.8**	2.4	-0.9	4.8	Striped	Mixed	-23	2.0	3.5	**174**	9	
54	27	201346	CH-190773	-0.3	**2.1**	5.5	2.2	-0.5	1.4	White	Pink	-25	1.0	2.5	**179**	13	
55	28	201572	CH-190773	-0.1	**2.3**	5.6	**2.7**	-0.7	2.5	Striped	Pink	-7	3.0	4.0	**171**	0	
56	28	200637	CH-191418	-0.2	**2.6**	**6.7**	**3.5**	-1.0	4.4	White	Pink	-35	4.0	4.0	**174**	0	

CLOVEN HILLS 2021 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	TAG ID	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 Circumference (PSC)	No. Lambs Weaned (NLW)	Hogget No. Lambs Weaned (YNLW)	Maternal Weaning Weight Milk (MWWT)	Average Dam Weaning %	Birth Type
57	29	201062	**168**	0.7	**11.1**	**16.1**	13.4	-20%	99%	2018	**6.1**	13%	**23%**	-0.4	200%	2
58	29	200657	**163**	0.8	**11.2**	**17.0**	16.9	0%	50%	2018	**6.6**	**18%**	**25%**	-0.3	150%	2
59	30	201975	**162**	0.6	**10.8**	**16.3**	15.3	-6%	58%	2017	**5.0**	7%	11%	0.5	167%	3
60	30	202403	**161**	0.7	**10.7**	**16.8**	15.5	-8%	42%	2015	**6.2**	12%	17%	0.3	133%	2
61	31	200139	**158**	0.4	9.4	14.9	14.5	-3%	66%	2013	**5.3**	15%	**21%**	-0.6	183%	2
62	31	200236	**160**	0.6	**11.3**	**16.3**	14.0	-16%	122%	2018	**5.1**	7%	15%	0.4	200%	2
63	32	200681	**159**	0.5	**11.0**	**17.0**	16.7	-2%	111%	2017	4.6	8%	13%	1.1	200%	2
64	32	200197	**161**	0.4	9.4	14.3	13.5	-6%	113%	2017	**5.5**	12%	**19%**	0.7	200%	2
65	33	200111	**162**	0.9	**11.4**	**18.7**	17.2	-9%	83%	2017	**6.1**	14%	**22%**	1.1	250%	2
66	33	201206	**159**	0.6	9.1	**15.4**	15.0	-3%	85%	2015	4.4	10%	16%	**1.5**	200%	2
67	34	201247	**161**	0.7	**10.4**	**15.5**	12.0	-29%	79%	2016	**5.6**	10%	14%	0.6	150%	2
68	34	200253	**159**	0.5	**10.9**	**16.2**	14.3	-13%	75%	2014	**5.3**	15%	17%	-0.5	250%	3
69	35	200140	**158**	0.4	9.8	**15.3**	14.9	-3%	66%	2013	**5.3**	15%	**21%**	-0.6	183%	2
70	35	200501	**162**	0.6	**12.5**	**19.5**	18.7	-5%	67%	2015	**6.3**	5%	10%	0.9	200%	2
71	36	201888	**163**	0.4	9.2	**15.1**	13.3	-14%	72%	2018	**5.5**	13%	**18%**	0.8	200%	2
72	36	202493	**161**	0.3	**11.9**	**17.6**	15.2	-16%	47%	2019	**7.0**	13%	15%	-0.5	100%	2
73	37	201361	**160**	0.6	8.7	14.0	9.5	-47%	81%	2016	**5.1**	12%	**19%**	-0.2	233%	3
74	37	202255	**163**	0.8	**11.2**	**17.4**	17.0	-3%	42%	2018	**6.2**	15%	**21%**	-0.6	100%	1
75	38	201238	**161**	0.2	9.5	14.9	14.2	-5%	100%	2017	**5.4**	**17%**	**20%**	-0.1	233%	3
76	38	200437	**161**	0.5	9.2	14.6	13.7	-7%	75%	2016	**5.3**	14%	**18%**	0.4	200%	1
77	39	200654	**157**	0.4	9.5	**15.3**	15.8	3%	84%	2018	**5.3**	**17%**	**24%**	-0.9	200%	2
78	39	201591	**157**	0.4	**10.4**	**15.3**	15.4	0%	67%	2016	4.9	12%	17%	0.6	167%	2
79	40	201222	**162**	0.4	**10.5**	**16.0**	14.1	-14%	94%	2018	4.9	11%	**20%**	-0.9	200%	2
80	40	202055	**160**	0.6	**10.6**	**17.9**	16.6	-8%	75%	2017	**6.0**	8%	14%	0.4	267%	4
81	41	200869	**160**	0.8	**10.3**	**16.2**	16.2	0%	59%	2017	**5.1**	11%	15%	0.9	200%	3
82	41	201476	**160**	0.3	7.9	13.0	11.5	-14%	157%	2015	**5.6**	**20%**	**25%**	0.3	300%	3
83	42	200165	**159**	0.3	9.4	**15.0**	15.1	1%	69%	2016	**5.1**	**20%**	**22%**	-0.4	200%	1
84	42	200648	**162**	0.5	8.3	12.7	8.7	-47%	83%	2012	5.2	14%	23%	0.4	175%	1

CLOVEN HILLS 2021 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	TAG ID	Sire	Fat Depth (PFAT)	Eye Muscle Depth (PEMD)	Lean Meat Yield (LMY)	Dress (%)	Intramuscular fat (IMF)	Shear Force (5 days)	Foot Colour	Nose Colour	Worm Egg Count (PFEC)	Dag Score	Wool Score	Maternal Dollar Index M$I	YGFW	GENOTYPE
57	29	201062	CH-190123	-0.8	**2.8**	**7.1**	2.3	-1.1	4.4	Striped	Mixed	-8	3.0	3.0	**174**	6	
58	29	200657	CH-190123	-0.7	2.0	**6.3**	2.3	-0.9	4.0	Black	Black	-7	2.0	2.5	**175**	-1	
59	30	201975	CH-180793	-0.3	**2.6**	**6.9**	**3.2**	-1.0	5.2	Black	Mixed	-42	2.0	4.0	**169**	4	
60	30	202403	CH-170127	-0.8	1.6	**6.0**	2.2	-0.3	1.6	Black	Mixed	-12	4.0	3.0	**172**	12	
61	31	200139	CH-170529	-0.1	**2.3**	5.3	**3.0**	-0.6	1.4	Black	Mixed	-12	3.0	3.0	**166**	-6	
62	31	200236	CH-180417	-0.7	**2.1**	**7.0**	**2.7**	-1.0	5.6	Striped	Mixed	9	1.0	4.0	**166**	6	
63	32	200681	CH-170135	-0.8	1.4	**6.5**	**2.7**	-0.8	5.2	Black	Mixed	-54	3.0	3.0	**171**	8	
64	32	200197	CH-181487	-0.3	**2.1**	5.7	2.1	-0.8	4.5	Striped	Mixed	**-66**	4.0	4.0	**170**	6	
65	33	200111	CH-170278	-1.3	0.8	**6.5**	2.3	-0.8	3.8	Striped	Mixed	15	1.0	4.0	**177**	10	
66	33	201206	CH-190137	-0.4	1.7	5.7	**3.0**	-0.7	2.3	Striped	Mixed	**-62**	3.0	3.0	**171**	0	
67	34	201247	CH-170278	-1.1	1.5	**6.3**	2.0	-0.9	4.6	Striped	Mixed	-7	3.0	4.0	**167**	9	
68	34	200253	CH-180417	-0.6	1.8	**6.6**	2.6	-1.0	5.2	Striped	Mixed	22	3.0	4.0	**166**	-4	
69	35	200140	CH-170529	-0.4	**2.3**	5.8	**3.0**	-0.7	1.8	Striped	Mixed	-12	4.0	3.5	**167**	-5	
70	35	200501	CH-190040	-1.1	1.7	**7.7**	**3.2**	-0.9	5.4	Striped	Mixed	-17	1.0	4.5	**172**	0	
71	36	201888	CH-190137	-0.3	**2.2**	5.7	**2.8**	-0.7	2.5	Black	Mixed	-34	2.0	3.0	**171**	0	
72	36	202493	CH-180285	-0.5	1.5	**6.5**	2.4	-1.3	6.2	Striped	Mixed	19	3.0	3.0	**169**	3	
73	37	201361	CH-180189	0.0	1.9	5.1	2.2	-0.6	1.8	Black	Mixed	2	4.0	4.0	**162**	0	
74	37	202255	CH-190123	-0.8	**2.2**	**6.8**	**2.5**	-1.0	4.6	Striped	Mixed	-5	1.0	3.5	**174**	3	
75	38	201238	CH-170529	-0.2	**2.5**	**5.9**	**3.3**	-0.7	2.7	Striped	Mixed	-5	1.0	4.0	**170**	-6	
76	38	200437	CH-181487	-0.2	**1.8**	5.3	2.0	-0.7	4.0	Striped	Mixed	-55	2.0	3.0	**171**	9	
77	39	200654	CH-170529	0.0	**2.4**	5.4	**3.1**	-0.7	1.6	Black	Mixed	10	2.0	3.0	**167**	-6	
78	39	201591	CH-170529	-0.5	2.0	**6.2**	**3.2**	-0.7	3.2	Striped	Mixed	-20	1.0	3.5	**167**	-7	
79	40	201222	CH-180417	-0.2	**2.6**	**6.5**	**3.2**	-0.9	4.4	Black	Mixed	-12	2.0	3.5	**167**	4	
80	40	202055	CH-190323	-0.9	1.7	**6.7**	**3.0**	-0.8	3.9	Black	Mixed	-29	3.0	4.0	**169**	2	
81	41	200869	CH-180793	-0.2	1.9	**5.9**	**2.8**	-0.8	3.5	White	Pink	-35	3.0	3.0	**171**	4	
82	41	201476	CH-190157	0.5	2.0	4.2	2.3	-0.3	1.4	White	Pink	-9	1.0	4.0	**169**	0	
83	42	200165	CH-170529	-0.1	1.9	5.2	**3.0**	-0.6	2.3	White	Pink	-19	2.0	3.0	**169**	-11	
84	42	200648	CH-170127	-0.5	1.7	5.0	1.9	-0.4	1.7	White	Pink	-50	2.0	3.0	**166**	6	

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LOT	PEN	TAG ID	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 Circumference (PSC)	No. Lambs Weaned (NLW)	Hogget No. Lambs Weaned (YNLW)	Maternal Weaning Weight Milk (MWWT)	Average Dam Weaning %	Birth Type
85	43	200960	**161**	0.5	**10.7**	**17.5**	18.3	4%	84%	2018	**6.3**	12%	**20%**	-0.1	200%	3
86	43	200595	**159**	0.6	**11.1**	**16.9**	16.5	-2%	71%	2015	**5.5**	8%	10%	**1.3**	167%	3
87	44	200386	**159**	0.6	9.7	**15.6**	14.2	-10%	100%	2017	4.9	7%	10%	0.1	200%	2
88	44	200564	**162**	0.6	**11.1**	**17.8**	17.4	-2%	64%	2018	**6.8**	10%	19%	0.6	150%	2
89	45	202325	**162**	0.7	**10.1**	**16.4**	14.6	-12%	90%	2017	4.5	6%	12%	**1.4**	200%	2
90	45	200763	**161**	0.5	**10.8**	**16.1**	13.6	-18%	105%	2018	**5.0**	8%	17%	-0.3	200%	2
91	46	201549	**161**	0.7	**10.8**	**16.8**	15.8	-6%	61%	2018	**5.5**	6%	8%	**2.0**	100%	1
92	46	200311	**157**	0.7	**10.3**	**16.0**	15.9	-1%	65%	2015	4.7	12%	15%	0.1	180%	2
93	47	200983	**160**	0.3	9.3	**15.3**	11.9	-29%	77%	2015	4.7	8%	17%	0.3	167%	2
94	47	201008	**162**	0.7	**10.0**	**16.6**	15.8	-5%	78%	2017	**6.5**	15%	**22%**	0.2	200%	2
95	48	200682	**160**	0.4	**10.6**	**16.6**	16.2	-3%	111%	2017	4.6	8%	13%	1.1	200%	2
96	48	201337	**161**	0.7	**10.0**	**15.4**	13.7	-12%	44%	2017	**5.2**	13%	**19%**	0.1	100%	2
97	49	201863	**158**	0.4	8.9	14.5	12.3	-18%	94%	2017	4.3	9%	15%	0.7	200%	2
98	49	200964	**166**	0.4	8.3	13.9	11.1	-25%	81%	2015	**5.7**	**18%**	**26%**	0.0	200%	2
99	50	170188	**184**	0.6	9.5	**15.8**	11.9	-32%	102%	2014	**8.9**	**27%**	**49%**	-0.3	200%	1
100	51	170278	**170**	1.0	**12.8**	**18.9**	15.5	-21%	82%	2014	**7.5**	14%	25%	0.2	150%	2
101	51	170529	**166**	0.3	**10.6**	**17.0**	17.5	3%	83%	2015	**6.2**	**23%**	**26%**	-0.5	200%	2
102	52	190738	**172**	0.7	**12.0**	**19.1**	16.6	-15%	81%	2014	**6.9**	**18%**	**23%**	0.2	100%	1
103	52	191268	**166**	0.5	**10.2**	**16.2**	14.7	-10%	83%	2017	**6.0**	13%	**19%**	0.3	200%	2
104	53	190659	**165**	0.4	9.4	**15.0**	11.5	-30%	79%	2016	**7.2**	**17%**	**27%**	-0.7	100%	2
105	53	190519	**162**	0.4	7.7	11.2	8.6	-30%	45%	2014	**6.0**	**19%**	**34%**	-0.2	150%	2
106	54	190663	**168**	0.4	8.6	14.1	10.8	-31%	76%	2017	**6.4**	**18%**	**31%**	0.1	100%	2
107	54	191556	**178**	0.7	**11.4**	**18.2**	15.6	-16%	71%	2018	**7.4**	**20%**	**31%**	0.2	200%	2
108	55	190092	**167**	0.4	**10.9**	**17.4**	15.3	-14%	76%	2016	**6.0**	**16%**	**21%**	0.4	175%	2
109	55	190592	**169**	0.5	**10.9**	**18.4**	15.3	-20%	89%	2015	**6.0**	14%	**18%**	0.4	100%	3
110	56	191522	**181**	0.9	**12.3**	**19.3**	17.3	-11%	41%	2018	**7.5**	**20%**	**31%**	0.8	200%	1
111	56	190723	**177**	0.5	**10.6**	**16.8**	14.1	-19%	80%	2015	**8.5**	**22%**	**33%**	-0.5	100%	3

CLOVEN HILLS 2021 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	TAG ID	Sire	Fat Depth (PFAT)	Eye Muscle Depth (PEMD)	Lean Meat Yield (LMY)	Dress (%)	Intramuscular fat (IMF)	Shear Force (5 days)	Foot Colour	Nose Colour	Worm Egg Count (PFEC)	Dag Score	Wool Score	Maternal Dollar Index M$I	YGFW	GENOTYPE
85	43	200960	CH-170135	-0.4	1.9	5.5	**2.8**	-0.7	3.0	Striped	Pink	-46	3.0	3.0	**175**	12	
86	43	200595	CH-170135	-0.8	1.4	**6.1**	2.4	-0.8	4.6	White	Pink	-57	1.0	3.5	**171**	10	
87	44	200386	CH-180793	0.1	**2.1**	5.6	**3.0**	-0.7	3.0	White	Pink	**-60**	4.0	3.0	**165**	6	
88	44	200564	CH-170135	-0.3	1.6	5.7	2.3	-0.7	4.2	White	Pink	-43	2.0	4.0	**174**	6	
89	45	202325	CH-190137	-1.0	1.8	**6.9**	**3.1**	-0.8	3.3	White	Pink	**-61**	2.0	4.0	**170**	0	
90	45	200763	CH-180417	-0.4	**2.3**	**6.6**	**3.0**	-1.0	5.6	Black	Pink	-12	1.0	3.5	**166**	3	
91	46	201549	CH-190137	-0.4	1.8	5.8	**2.7**	-0.7	3.7	Striped	Pink	-49	1.0	3.0	**171**	3	
92	46	200311	CH-180793	-0.9	1.5	**6.5**	**2.6**	-0.9	3.9	White	Pink	-42	4.0	3.0	**168**	7	
93	47	200983	CH-181787	-0.7	1.8	**6.7**	**2.9**	-0.8	4.7	White	Pink	-18	2.0	3.5	**164**	2	
94	47	201008	CH-180191	-1.0	1.5	**6.0**	2.1	-0.7	2.7	White	Pink	-31	4.0	3.5	**175**	12	
95	48	200682	CH-170135	-0.6	1.6	**6.3**	**2.8**	-0.7	5.0	White	Pink	-54	1.0	3.0	**171**	8	
96	48	201337	CH-170278	-0.7	1.8	**6.0**	2.4	-0.6	2.6	White	Pink	-35	1.0	3.0	**169**	7	
97	49	201863	CH-181787	-0.4	1.9	**6.0**	**2.9**	-0.8	3.4	White	Pink	-21	3.0	4.0	**165**	5	
98	49	200964	CH-191280	0.1	**2.5**	5.1	**2.8**	-0.5	**0.7**	White	Pink	-22	2.0	4.0	**172**	-1	
99	50	170188	TF-070807	**0.5**	**3.0**	4.9	1.8	-0.6	1.3	Black	Black	-20	1.0	3.3	**192**	6	Y
100	51	170278	TF-140154	-1.3	1.4	**6.9**	1.9	-0.9	4.3	Striped	Mixed	7	3.0	3.8	**180**	15	Y
101	51	170529	CH-120403	0.1	**2.6**	5.7	**3.9**	-0.7	1.4	Black	Mixed	-2	2.0	3.0	**178**	-15	Y
102	52	190738	CH-180351	-1.1	1.2	**6.8**	**2.6**	-0.7	3.9	Black	Black	**-62**	2.0	4.0	**184**	4	Y
103	52	191268	CH-181487	0.0	**2.2**	5.6	2.3	-0.8	5.0	Black	Mixed	-47	5.0	3.3	**176**	15	
104	53	190659	CH-170188	**0.4**	1.8	4.4	1.7	-0.2	2.6	Striped	Mixed	-26	2.5	3.0	**170**	3	Y
105	53	190519	CH-170188	**0.2**	**2.3**	3.9	1.2	-0.3	**0.7**	Black	Black	-34	4.5	3.5	**167**	6	Y
106	54	190663	CH-170188	**1.0**	**2.7**	4.5	**2.7**	-0.5	2.2	Black	Black	-2	4.0	4.3	**174**	-4	Y
107	54	191556	CH-180191	-0.5	**2.6**	**6.7**	**3.1**	-1.0	3.2	Black	Mixed	-16	5.0	2.8	**189**	7	Y
108	55	190092	CH-180285	-0.6	1.7	**6.4**	**3.0**	-1.2	4.6	Striped	Mixed	-16	2.5	3.5	**177**	8	
109	55	190592	CH-180278	-0.4	1.7	**6.3**	**3.4**	-0.7	1.7	Black	Mixed	-7	3.0	3.0	**179**	10	Y
110	56	191522	CH-170188	-0.4	**2.5**	**6.9**	**2.7**	-1.1	5.1	Black	Black	-14	5.0	2.5	**194**	8	Y
111	56	190723	CH-170188	**0.3**	**2.7**	5.0	2.3	-0.5	0.9	Black	Black	-26	4.5	2.8	**186**	8	Y

CLOVEN HILLS 2021 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	TAG ID	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 Circumference (PSC)	No. Lambs Weaned (NLW)	Hogget No. Lambs Weaned (YNLW)	Maternal Weaning Weight Milk (MWWT)	Average Dam Weaning %	Birth Type
112	57	191782	**172**	0.7	**10.1**	**16.7**	13.5	-24%	98%	2014	**7.4**	15%	**22%**	0.7	200%	2
113	57	191504	**178**	0.7	**11.1**	**19.4**	17.2	-13%	70%	2018	**7.9**	**22%**	**37%**	-0.7	200%	2
114	58	191281	**180**	0.6	9.6	14.4	8.7	-65%	92%	2017	**6.1**	**20%**	**34%**	-0.7	200%	2
115	58	191582	**172**	0.5	8.7	13.9	9.0	-54%	46%	2018	**6.4**	**17%**	**29%**	1.0	200%	1
116	59	190635	**178**	0.6	**10.0**	**16.9**	13.9	-21%	67%	2017	**7.6**	**19%**	**31%**	0.8	100%	1
117	59	191478	**174**	0.9	**11.4**	**19.1**	15.6	-22%	48%	2018	**7.7**	**17%**	**26%**	-0.2	200%	1
118	60	191015	**178**	0.5	**10.0**	**17.8**	14.8	-20%	78%	2017	**7.1**	**20%**	**35%**	0.8	200%	1
119	60	190492	**178**	0.4	9.1	**15.7**	11.9	-32%	90%	2016	**7.3**	**21%**	**33%**	0.4	250%	3
120	61	190025	148	0.7	9.1	12.9	11.0	-17%	83%	2016	3.7	10%	**18%**	-1.0	200%	3
121	61	190966	149	0.7	**10.0**	14.9	13.9	-7%	88%	2017	4.4	5%	6%	0.2	200%	2
122	62	190434	131	0.3	7.2	10.1	10.4	3%	90%	2015	3.4	4%	0%	-1.4	200%	1
123	62	190313	145	0.3	7.9	12.4	8.3	-49%	71%	2015	4.5	3%	**22%**	-1.4	150%	2
124	63	191052	144	0.4	7.1	9.9	5.0	-98%	83%	2014	2.7	5%	15%	-1.2	200%	2
125	63	190088	137	0.3	7.4	11.8	10.9	-8%	111%	2017	4.9	4%	13%	-1.1	167%	2
126	64	190694	141	0.3	8.0	12.1	11.9	-2%	88%	2015	3.7	6%	4%	0.3	100%	2
127	64	190793	**167**	0.7	**10.1**	**17.1**	15.3	-11%	94%	2013	**7.5**	**18%**	**26%**	0.0	100%	2
128	65	190823	**165**	0.6	9.1	13.6	11.8	-16%	86%	2014	**6.0**	**18%**	**35%**	1.0	100%	2
129	65	190163	144	0.2	7.4	11.4	10.0	-14%	95%	2011	4.7	11%	15%	-0.2	180%	2
130	66	190097	**161**	0.3	7.9	12.6	9.7	-31%	87%	2016	**6.4**	**16%**	**27%**	-0.3	125%	2
131	66	190608	**158**	0.3	7.1	11.6	8.0	-44%	119%	2016	**5.2**	15%	**19%**	0.6	100%	2

CLOVEN HILLS 2021 SUMMER RAM LAMB SALE LOT LISTINGS

LOT	PEN	TAG ID	Sire	Fat Depth (PFAT)	Eye Muscle Depth (PEMD)	Lean Meat Yield (LMY)	Dress (%)	Intramuscular fat (IMF)	Shear Force (5 days)	Foot Colour	Nose Colour	Worm Egg Count (PFEC)	Dag Score	Wool Score	Maternal Dollar Index M$I	YGFW	GENOTYPE
112	57	191782	CH-180191	-0.3	2.0	5.2	2.2	-0.6	2.0	Black	Black	-46	5.0	3.5	**181**	16	
113	57	191504	CH-170188	-0.2	**2.4**	**6.2**	**2.9**	-0.9	1.9	Black	Black	-23	5.0	3.0	**189**	2	Y
114	58	191281	CH-170188	0.0	**3.3**	**6.3**	**2.5**	-0.9	3.0	Black	Black	-47	1.0	3.0	**180**	0	Y
115	58	191582	CH-170188	0.1	**2.4**	4.9	2.0	-0.4	0.9	Black	Black	-19	4.0	3.3	**178**	6	Y
116	59	190635	CH-180191	-0.6	**2.4**	5.8	**2.6**	-0.5	**0.5**	White	Pink	-34	3.5	4.3	**189**	17	Y
117	59	191478	CH-180191	-0.6	1.9	**6.5**	2.4	-0.9	2.6	White	Pink	1	5.0	3.5	**184**	11	Y
118	60	191015	CH-170188	**0.6**	1.9	5.2	**2.6**	-0.5	3.1	White	Pink	-56	2.5	3.0	**190**	8	Y
119	60	190492	CH-170188	**0.2**	**2.7**	5.4	**2.5**	-0.7	2.4	Striped	Mixed	-35	2.5	3.0	**186**	6	Y
120	61	190025	CH-180189	-0.2	1.2	4.9	1.5	-0.5	4.1	Striped	Pink	-16	1.5	3.5	152	4	Y
121	61	190966	CH-181016	-1.1	1.2	5.8	2.2	-0.7	3.4	Striped	Mixed	-36	4.0	3.8	156	5	
122	62	190434	LP-174473	-1.0	1.9	5.6	1.7	-0.6	2.6	Striped	Mixed	4	2.5	3.3	133	-7	
123	62	190313	TF-120388	-0.3	**2.2**	5.5	2.1	-0.6	3.4	Striped	Mixed	62	3.5	3.8	144	4	
124	63	191052	CH-160421	-0.7	1.6	**5.9**	1.8	-0.8	6.6	Striped	Mixed	-9	2.0	3.0	140	-1	
125	63	190088	CH-180078	0.1	1.9	4.3	1.9	-0.4	1.1	Black	Black	46	3.0	3.8	140	0	Y
126	64	190694	CH-180019	-0.5	1.2	4.9	2.0	-0.8	4.4	Striped	Mixed	-36	2.5	3.3	148	1	
127	64	190793	CH-180191	-0.2	1.6	4.7	2.3	-0.4	**0.1**	Striped	Mixed	-21	2.5	3.3	**180**	18	Y
128	65	190823	CH-170188	-0.5	1.8	5.2	1.6	-0.6	3.0	White	Pink	-32	3.0	2.5	**175**	5	
129	65	190163	CH-180689	0.1	1.7	4.4	2.1	-0.4	0.8	White	Pink	30	2.5	3.3	149	0	
130	66	190097	CH-170188	0.8	**2.2**	3.8	1.8	-0.2	**0.5**	Striped	Pink	-33	2.0	2.0	**166**	1	Y
131	66	190608	CH-180190	0.0	2.5	4.8	2.3	-0.5	**0.6**	White	Pink	12	2.5	3.0	**162**	-4	Y

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 for the 2020 Drop.

"Cloven Hills have 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	YNLW	NLW	PSC	MWWT	IMF	SHEARF5	MAT$
50TH PERCENTILE BAND MATERNALS		131	0.5	7.6	11.2	12.3	1.4	4	-0.6	-27	8%	7%	3.5	0.1	-0.2	3	141
Cloven Hills 2021 Summer Sale Catalogue (ave)	131	164	0.6	10.4	16.3	14.4	2	6	-0.4	-22	21%	13%	6	0.3	-0.7	3.4	173
CLOVEN HILLS 2020 Sale Catalogue (ave)	334	157	0.5	9.8	15.2	13.7	1.7	5.8	-0.6	-14	17%	12%	5.2	-0.1	-0.6	4.1	165
CLOVEN HILLS- 2019 Sale Catalogue (ave)	250	153	0.5	9.6	15.0	14.3	1.5	5.3	-0.7	-16	15%	12%	4.9	-0.1	-0.6	4.2	163
Cloven Hills Accuracy this Catalogue (%)		46%	65%	70%	67%	59%	63%	59%	64%	48%	37%	35%	60%	60%	48%	47%	49%
Heritability			10%	24%	30%		25%		30%	20%		4%	40%	10%			

NOTES ON LOT LISTINGS

ASBVS in catalogue taken from 15 Jan 2021 Run.
Figures shaded black represent top 5% ASBVS.
Grey boxes with bolded numbers represent top 10% ASBVs.
Grey boxes represent top 20% ASBVs.
Shaded IDs are rams that have a dam that was a ewe lamb.

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 mature weight of 65kg).

However 0.3 and less is desirable if you have smaller frame ewes.

More efficient ewes are better for increasing stocking rates.

Stocking Rate, dam efficiency this is 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.

In 2020 we DNA tested one third of 2019 drop rams and all 2018 and 2019 ewes. Testing of 2020 drop ram lambs is still being undertaken. We have included a column to identify which rams have been tested.

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, openess and easy care. An ideal lamb pelt is 2.5.

Dag Score

1=Clean, 2= Minor 3= Moderate 4=Dirty 5= Very Dirty

CH= Cloven TF= Twin Farms CO=Cashmore Oaklea LP=Lambpro

Summary of progeny sired by 2017 drop rams in this catalogue

Ram	Progeny	Flocks
170188	1781	15
170278	191	1
170529	491	7

SHEEP GENETICS PERCENTILE BAND REPORT 1/1/2021

	BWT	MWWT	WWT	PWT	AWT	CWT	PEMD	CEMD	PFAT	CFAT	PWEC	YGFW	YNLW	NLW	PSC	DRESS	LMY	IMF	SHEAR F5	MAT$	MCP+
Top value	-0.49	3.9	15.5	22.4	27.9	9.6	5.3	5.9	4.6	4.5	-95	47.3	47%	33%	9.4	4.9	9.57	2.01	-6.1	202	188.5
Top 1%	-0.03	1.9	11.7	17.6	20.6	7.6	3.2	4.3	1.1	1.3	-79	31	30%	22%	6.5	3.4	7.31	0.39	-0.9	178	164.9
Top 5%	0.12	1.4	10.6	16	18	6.8	2.5	3.7	0.5	0.4	-66	26.4	23%	18%	5.5	2.9	6.5	0.17	0.1	168	155.7
Top 10%	0.19	1.2	10	15	16.7	6.2	2.1	3.3	0.2	-0.1	-58	23.8	18%	16%	5	2.5	5.97	0.08	0.7	162	150.2
Top 20%	0.29	0.8	9.2	13.7	15.2	5.5	1.6	2.7	-0.1	-0.7	-47	20.1	14%	13%	4.5	2	5.33	-0.02	1.4	154	143.6
Top 30%	0.36	0.6	8.7	12.7	14.1	5	1.2	2.3	-0.3	-1.2	-40	16.6	12%	11%	4.2	1.6	4.85	-0.1	1.9	149	138.8
Top 40%	0.41	0.3	8.1	12	13.3	4.6	0.9	1.8	-0.5	-1.5	-33	12.6	10%	9%	3.8	1.4	4.43	-0.16	2.4	145	134.9
Top 50%	0.47	0.1	7.6	11.2	12.4	4.3	0.6	1.4	-0.6	-1.9	-27	8.5	8%	7%	3.5	1.1	4.01	-0.24	2.8	141	131.4
Top 60%	0.52	-0.2	7	10.4	11.5	4	0.4	1.1	-0.8	-2.2	-20	5.4	6%	6%	3.2	0.9	3.54	-0.34	3.2	137	128.2
Top 70%	0.58	-0.4	6.3	9.3	10.6	3.7	0.1	0.8	-1	-2.5	-13	2.5	4%	4%	2.8	0.7	2.96	-0.47	3.6	133	124.6
Top 80%	0.64	-0.8	5.3	8.1	9.4	3.2	-0.1	0.5	-1.2	-2.9	-4	-1	3%	2%	2.3	0.5	2.05	-0.61	4.1	128	119.9
Top 90%	0.72	-1.2	4.1	6.3	7.7	2.5	-0.4	0.1	-1.5	-3.4	10	-5.4	0%	-1%	1.7	0.3	0.99	-0.78	4.8	121	113.2
Bottom value	1.09	-3.9	-3.2	-3.4	-4.2	-1.2	-3.3	-1.9	-3.6	-6.7	202	-29.2	-22%	-20%	-2.9	-1.6	-2.11	-1.61	12.5	84	79.1

RESEARCH & DEVELOPMENT

As stud breeders, we think it important to participate in collaborative industry research. We believe in continual improvement and are excited about the future!

Maternal composites provide a considerable proportion of lambs for the prime lamb industry but are considered a minor breed in MLAs sheep statistics. For example, there is more meat-eating quality data and genomics on Merinos than prime lamb composite sheep. At the MLAs strategic planning day in March, it was recognised that their database on what makes up the industry needs to be improved so that investment goes into the right area. How many thousands of maternal composites are in your area? What is important to you? Some of the areas discussed were genomic profiling of the maternal flock, a vaccine for pneumonia and an ASBV for footrot. Some of these issues are often not talked about to produce resilient and productive breeding stock. At a time when industry is doing well, targeted R&D is essential for underpinning Indexes and ASBVs must be underpinned by good R&D to maximise return on investment.

We have been involved with a co-funded project with MLA looking at Meat Eating Quality for maternals, given current ASBVs are predicted from models, not actual data. We collected this data during 2019 and 2020 and are looking forward to the results coming through into the database to validate what we already know – Cloven Hills lamb tastes great!

Likewise, the prime lamb maternals genomics database is still very much in its infancy and we have been involved with another MLA funded project for reproductive genotyping which involved DNA testing our 2018 and 2019 drop ewes. Fertility is a trait that takes considerable time to measure and it is less heritable, hence the more we can learn in this space the better, as it is a considerable profit driver, particularly when the national flock is rebuilding.

We are involved with three Murdoch University projects. We are into the second year of research into blood hormone levels and foetal losses in ewe lambs (Livestock Logic) and have also been a participant in research into the effects of nutrition (FOO and supplementary feeding) and condition score on lamb survival in triplet bearing ewes (neXtgen Agri).

Finally, Murdoch University have also been using our ewe lamb data in a Maternal ewe lamb project that looks at sire ASBV effects on NLW and NLW. For example, what impacts do ewe lamb live weight, condition score, and joining age have on NLB and NLW (ewe lamb and progeny survival), birth weights and growth rates? What is the carry over effect on hogget performance? We look forward to talking more about these in coming newsletters and zoom meetings.

As commercial producers, if you support this work, or have other thoughts on where industry research should be directed, please make sure you let MLA and Sheep Producers Australia (SPA) know.

Celia Scott, a commercial producer at Poolaijelo, is the VFFs Glenelg Livestock Council representative and also sits on the SPA R&D sub-committee 0417 828 032; celiaesscott@gmail.com). Hamish Chandler manages MLAs investment in genetics and R&D and evaluation programs across sheep and beef (0417 254 858 hchandler@mla.com.au).

SALE INFORMATION

SELLING AGENT

Nutrien Casterton, 1 Henty Street, Casterton VIC 3311
Rick Smith 0447 770 339
Email: rick.smith@nutrien.com.au
3% Rebate to outside agents

SELLING METHOD

Rams auctioned in pairs of 2 as "Pick of the Pen" (except Lot 99, 100 and 101 which will be auctioned individually).

FREE DELIVERY

Free delivery is available locally, SA (inc. Kangaroo Island), Tasmania, NSW, WA and other nominated destinations by arrangement. **Due COVID-19 restrictions and tight boarder control, if you would like your rams delivered please call Rick Smith as soon as possible prior to the Auction to organise.**

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 Nutrien insurance please call Bernie Price on 0439 870 609.

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.

Size was a big thing for us, as well as temperament; we were avoiding those big animals and that was one of the first things we spoke to Kate and Chris about.

During October the wethers recorded an average of 510g/day weight gain… there's never been weight gains anywhere near that on our property…..we had to convince the agent the numbers were correct!

We put it down to the genetics - they're there to breed hardy maternals and that's what we're getting with the ewe refinements and better rams.

- Debbie and Steve Buckland, Winkleigh, Tasmania

HOW THE SALE WILL OPERATE

OUR SALE WILL AGAIN BE STREAMED LIVE ON AuctionsPlus®

THE ENTIRE SALE WILL BE RUN 'PICK OF THE PEN' – WHERE THE WHOLE PEN WILL BE OFFERED AND THEN SOLD AS A CHOICE OF TAKING A PARTICULAR LOT OR THE WHOLE PEN.

With the uncertainty created by COVID-19 this year, including border closures between our Australian states and restrictions within Victoria, we believe AuctionsPlus will be a vital sale-day link between Cloven Hills and our Australia-wide client base.

You can pre-enter your maximum bids for desired lots or individual rams, or join the live bidding.

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/auctionV2/New/#/presale/12905

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 October 6.

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**

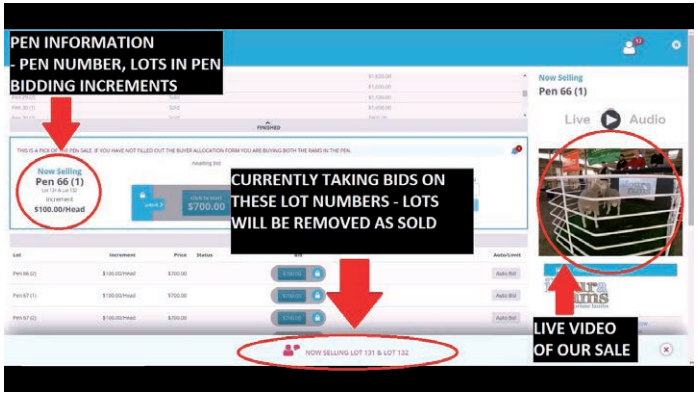
ENSURE YOU GET THE RIGHT RAM

- To **BID ONLINE, at least one hour before the sale starts you MUST fill out a form** to indicate clearly which lots you will take, if bid is successful. If this form is not filled out, it is assumed you will take both lots at the bid price.
- Please be as clear as possible as to which lots you will take. AuctionsPlus will call everyone who fills out a form before the sale to double check what they would like to do.
- The form can be found at **https://form.jotform.co/82337619700861**. We can also email a form to you, however this will take time to be processed, so please get in early.

TO ENSURE YOU ARE BIDDING ON AND BUYING EXACTLY THE RAM OR RAMS YOU HAVE SELECTED, PLEASE TAKE A QUICK LOOK AT THE FOLLOWING SLIDES.

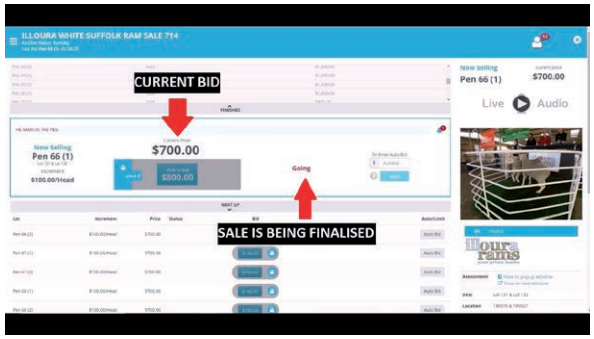
Each slide shows a different stage of the sale process, which is repeated throughout the auction.

1. **At the beginning of each round of bidding, you will see the pen number**, as per the catalogue, the lot numbers in that pen and the bidding increments required.
   At the right of the screen, you will be able to watch video, live from the on-site Auction at Cloven Hills; if you have a speaker on your device, you will also hear the auctioneer.
   At the bottom of the screen, you will see the lot numbers that are currently being bid on. This is where pre-indicating your lot choices is important: If you start bidding on this pen when both rams are available and you HAVE NOT filled out your pre-sale selection form, you will be obliged to purchase BOTH rams, each at the final bid price, if your bid is successful.



BIDDING ON AUCTIONS PLUS CONT.

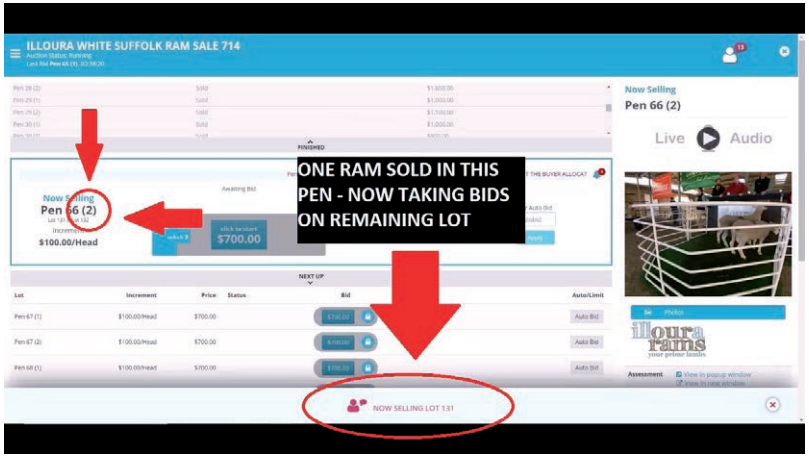
2. During bidding, **current bid is shown** and site/auctioneer will call for final bids.



3. When **final bid declared and hammer falls on this pen**, online portal will indicate final price and determine if successful bid was for one or both rams.

4. When sale screen returns, **if both rams were not sold to first successful bidder, remaining available lot will be indicated at the bottom of the screen**.

   PLEASE NOTE: The bracketed number beside the pen number, ie Pen 66 (2) DOES NOT mean that Lot 132, the second listed ram in the catalogue, for that pen, is now selling. You must check the bar at the bottom of the screen to find out which lot is selling.



COVIDSAFE PROTOCOLS FOR ATTENDING THE CLOVEN HILLS SUMMER RAM SALE 2021

AGRICULTURE IS AN ESSENTIAL SERVICE AND THE CLOVEN HILLS RAM SALE AND OPEN DAY CAN OPERATE WITH A COVIDSAFEPLAN. THE FULL PLAN IS AVAILABLE UPON REQUEST, BUT THE FOLLOWING KEY PRINCIPLES WILL APPLY:

There are no restrictions on the number of people, but only intending purchasers are eligible to attend.

ATTENDEES MUST:

1. register immediately upon arrival with name and number for contact tracing purposes
2. not attend if feeling sick or unwell
3. adhere to physical distancing (1.5 metres)
4. wear a face mask or face covering where you can't 1.5 apart
5. cough and sneeze into tissue or elbow
6. practice good hand hygiene using the sanitizing products available
7. use the designated rubbish bins for any wastes
8. stay within the confines of the ram display area and selling ring

Food and drink will be provided with portions individually wrapped.

Auctions Plus provides an alternative for purchasing for people who are unable to attend.

AuctionsPlus®

QUALITY ASSURANCE & ANIMAL HEALTH

- ✓ Lambplan recorded
- ✓ Brucellosis Free, Accreditation 3604 Expiry 31/7/22
- ✓ OJD Eligible All States, approved vaccinates
- ✓ Guaranteed for 2 years (see sale information page 19).
- ✓ 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 BZ ML LEV COMBO
- ✓ Health statements will be available on the day

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

MARK WEBB, DIRECTOR WEBB AND WOODIWISS, TAS

Kate is obviously very good with her data collection and is measuring all aspects of what people are looking for within our industry…it makes ram selection very simple.

A strong focus on mature ewe weight is becoming more and more needed within our industry.

A body weight of 85 to 95 kg creates problems with handling. Cloven Hills (genetics) produces a ewe around 65 kg, without losing the fertility of those ewes and they are weaning 75-80% of their body weight.

We need to breed a sheep that was tough, that could stand our weather conditions, had good worm resistance and good lamb survivability. They sort of stand alone in survivability rates against other genetics.

HELEN BAILLIE, "WESLEY DALE", MOLE CREEK, TAS

At Cloven Hills, Kate and Chris Dorahy know every ram produced on their property and collect and publish extensive data on every animal they sell.

Kate's extensive knowledge of how to assess and select for particular or multiple traits using that data is a huge attraction to 'Wesley Dale'.

There is so much information available on their rams and their sale catalogue is extremely well put together. Even if you are not going to see the rams, there is enough data in the catalogue to make a sound decision on buying a Cloven Hills ram.

On our property, the (Cloven Hills) lambs are showing exceptional high growth and survivability – we've never seen that kind of growth in lambs on the property before … my stock manager asks me to 'bring back rams that do exactly what these do'.

CURRENT SIRES:

 # 1 Ranked - CH 18-191 (MCP + 189), 154 progeny
MCP+ 189, Growth, fertility top 1%, Carcase top 5%. A meaty ram, that is structurally very sound.

 # 2 Ranked – CH 19-1280 (MCP+ 186), 47 progeny
Fertility top 1%, Fat top 10%, Growth top 10% muscle top 1%, featuring top 5% PWT and moderate to small AWT.

#4 Ranked CH 17-188 (MCP+ 184), 1781 progeny
Sire of many top sires in the top 150 across 11 studs. His sire (TF-07-807) also has over a 1000 progeny in both Australia and NZ. 17-188 has top values for NLW and YNLW, top 1% SHRF and top 1% for scrotal circumference, top 5% fat, top 10% PWT and moderate AWT, very good temperament, cool as a cucumber.
(See page 5 for photo).

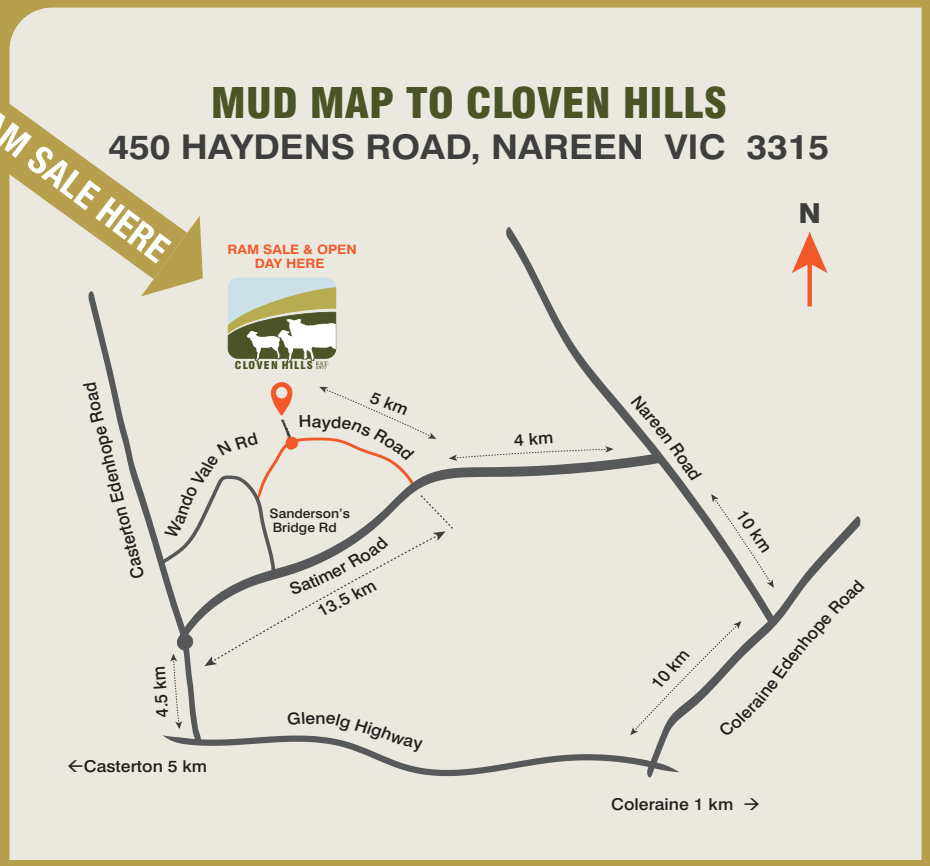
 # 8 Ranked - CH 19-773 (MCP + 181), 154 progeny
Fast growing (top 1%) and early maturing ram lamb, enormous scrotal circumference, top 10% NLW, top 5% YNLW. Very good balance of all other traits.

#9 Ranked - CH 18-1487 (MCP+ 178), 252 progeny
Moderate birth weight, suitable for ewe lambs, growth top 1%, fat top 5% and PFEC top 1%.

#12 Ranked - CH 19-0157 (MCP+ 174), 114 progeny
Good all round traits, with a meat eating quality focus (IMF top 30% and SHRF top 20%) and moderate adult weight.

MUD MAP TO CLOVEN HILLS

450 HAYDENS ROAD, NAREEN VIC 3315



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

TASMANIA | WEBB & WOODIWISS

Mark Webb
0458 973 590

Fertility | Growth | Carcase | Hardiness

(OJD Vacc. Bruc. Accred)

CLOVEN HILLS EST. 1977

Nutrien Ag Solutions

Webb&Woodiwiss LIVESTOCK MARKETING

"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.*