



HAZELDEAN

LITCHFIELD

EST 1865



Hazeldean Wool Growers Breakfast and Elite Ram Sale

Friday 3rd February

2023



HAZELDEAN
LITCHFIELD

Hazeldean Woolgrowers Breakfast and Elite Ram Sale 2023

We welcome you to our 2023 Elite Ram Sale & Wool Growers Breakfast. Join us for coffee and a bacon and egg roll and hear from industry professionals on a range of topics relevant to woolgrowers.

8.30am Bacon and egg rolls and coffee at Hazeldean sale shed.

9.30am Neville Brady, Brows Up Consulting - 'Family Farming - an extra layer of stress'.

10.15am Richie Cartwright, Specialised Livestock Services - Worm, parasite and drench management in livestock.

10.45am Gordon Litchfield, Gordon Litchfield Wool - Market indicators and fleece measurements

11am Elite sale introduction and ram inspections

12 noon Elite sale commences

*Please contact Jenni if you will be attending the Woolgrowers breakfast –
02 6453 5555 or admin@hazeldean.com.au*

****RSVP admin@hazeldean.com.au for catering****



HAZELDEAN
LITCHFIELD
EST 1865

Hazeldean Elite Ram Sale 2023

Following the Woolgrowers Breakfast

28 high performance, high accuracy rams

Our catalogue is comprehensive and detailed providing you with as much detail as possible to aid your selection. This team of rams are our elite rams, they present a unique opportunity to purchase genetics at the top of the industry. Each ram has been genomically tested, had two fibre tests, structurally assessed and fertility checked. We offer them for sale as breed leaders in quality and performance.

	YWT	YFD	YCFW	ACFW	YFDCV	YSS	MP+
<i>AVERAGE ASBVS ELITE RAM SALE TEAM 2023</i>	6.1	-2.0	31.7	25.9	-1.2	1.6	187.8
<i>AVERAGE ASBVS FOR 2021 DROP IN MERINOSELECT</i>	6.28	-0.9	18.64	15.58	-0.92	0.75	156.56

★ High indexing, versatile rams; sale team average in top 5% MP+, FP+ and DP+

★ All rams independently assessed for visual traits and fertility tested

★ Commercially focused

admin@hazeldean.com.au Hazeldean Office 0264535555



HAZELDEAN
LITCHFIELD

Welcome to Hazeldean

The company's headquarters and home to the Litchfield family, is located at Hazeldean near Cooma in the Monaro district of south-eastern New South Wales. Hazeldean is a family owned and operated business focussing on breeding merinos for the commercial benefit of our own flock and those of our clients.

Stud History

Hazeldean Merino Stud has been run by the Litchfield family for six generations and has grown from its establishment in 1865 by James Litchfield to be one of the largest, most progressive and influential flocks in Australia. It was built on Rambouillet bloodlines with occasional Riverina Peppin infusions. Today around 10,000 ewes are mated annually.

Hazeldean has been using measured performance indicators longer than any other stud in Australia, since 1954, when James Francis Litchfield began to weigh fleeces and select animals according to how much wool they cut and the fineness of the fleece. This is the same information that establishes the price woolgrowers get paid when they sell their wool and is heritable and repeatable.

So for over 60 years, selection has been based on measured fleece value gathered from each ram and ewe produced. Hazeldean was at the helm of using ASBV's and still leads the merino industry with regard to performance recording and technology uptake including the use of genomic data.

About Our Flock

The Hazeldean stud flock includes 3,500 ewes and the commercial ewe flocks totals 9,000. The size of the flock makes it one the biggest single Merino gene resources in Australia.

In addition to its scale, the Hazeldean ewe flock is unique in its depth and consistency of breeding having been under the direction of the one family, the Litchfields of Cooma, since establishment in 1865. The creation of a selection procedure, ongoing now for nearly 50 years, of measured economic value, rather than just aesthetic characteristics, has meant the Hazeldean flock has a consistency of production and commercial worth compounded and entrenched throughout its entire genetic profile. The Hazeldean ewe flock goes through the same stringent assessment process as the rams and every ewe is assessed for its ability to contribute to the overall progress of the stud. This means the diversity in the genetic base is maintained and inbreeding minimized and the full worth of the extensive flock size utilized.

Hazeldean ewes are identified at lamb marking and then following an even up shearing at 8 months, are run through until 17 months when they are individually classed, scanned and hip sampled prior to shearing and fleece weighing.

Following the return of processed performance data including pedigree information and adjustments, ewes are inspected off shears, culled for structural faults and allocated to a stud category dependent on their original classing score, performance data and final inspection.

Surplus and cast for age ewes are available from each of Hazeldean's breeding locations.

Hazeldean rams are well acclimatized and adapted to most areas of Australia as has been proven through independent bloodline trials. Hazeldean Merino blood rams, ewes and wethers have been



HAZELDEAN
LITCHFIELD

independently assessed more than any other stud in Australia, entering Sire Evaluations, along with clients entering ewe and wether trials, benchmarking their flocks against other bloodlines. Hazeldean bloodline over many, many years consistently perform at the top of these trials.

The Hazeldean Breeding Policy

The special treatment of small groups through shedding and provision of artificial rations is at odds to the philosophy of the Stud. To give accurate and meaningful measurement information, it is necessary to evaluate animals by running them in large contemporary groups under conditions equivalent to those experienced in the world of commercial wool growing. Hazeldean therefore runs its stud operations along the lines of a commercial growing and breeding enterprise.

Hazeldean bases its selection decisions and grading for sale on a measurement system that has been in place for many years. Measurement, when applied with common sense, significantly improves the accuracy of selecting for heritable traits of economic importance.

Animal Health

Hazeldean Merinos are accredited free of Brucellosis and monitored negative stage 3 (MN3) for Ovine Johnes disease. We also do a full pre sale fertility assessment, see letter from Dr Tom Graham for details over page.

**Although Hazeldean employs best practice procedures in livestock husbandry and does its best to ensure every animal catalogued for sale is free from disease, internal parasites and external parasites, it does not guarantee that any sale animal is free of disease, internal parasites or external parasites.*





BILL GRAHAM BVSc 0428 245 208
billshauna@bongongoangus.com.au

TOM GRAHAM BVSc 0422 050 019
tom@coolacvet.com.au

SIMON MCPHEE BVSc 0499 334 355
simon@coolacvet.com.au

Pre-sale ram fertility assessment

Dear Hazeldean team,

Please see below a letter from Coolac Veterinary Services to use as you like for your upcoming sale.

On the 11th October we will be doing one final assessment of the Hazeldean ram group. The goal of this is to provide a pre-sale fertility assessment of individual rams, so that their clients can be confident that rams purchased should be fertile, functional and ready to work. To our knowledge the protocol undertaken is leading the sheep seedstock industry in doing more rigorous fertility assessments as a baseline for all rams pre-sale.

Each ram is examined for several fertility traits, which have all been recorded with the rams individual ID and are available to buyers if needed. These traits include scrotal circumference, testicle tone and palpation of structures associated with the testicle, penis examination (which in general has not been practiced by industry to date), teeth assessment including jaw alignment, and leg and feet assessments.

Fertility assessment is a single point in time activity. The vendor has performed current industry gold standard to provide rams that are ready to work. However, we strongly advise that once the ram is home and settled it is wise to check them before their first joining and EVERY year 6-8 weeks pre-joining. A lot of work is expected of rams and their functionality is paramount to your flock's fertility. They are a high value animal, but only if they are in working order. Please don't let them get over-fat, aim to keep them in body condition score 3, look after their feet, practice good biosecurity, be aware of Brucellosis risks and have an accredited veterinarian assess their reproductive potential each year so that EFFECTIVE rams are being put to work.

Please feel free to call with any questions of if further information is required.

Regards, Tom and Simon

Thomas Graham

VSB registration #9050
National Cattle Pregnancy Diagnosis Scheme #1224
Brucellosis accredited.





HAZELDEAN
LITCHFIELD



Visual scores and Structural Evaluation

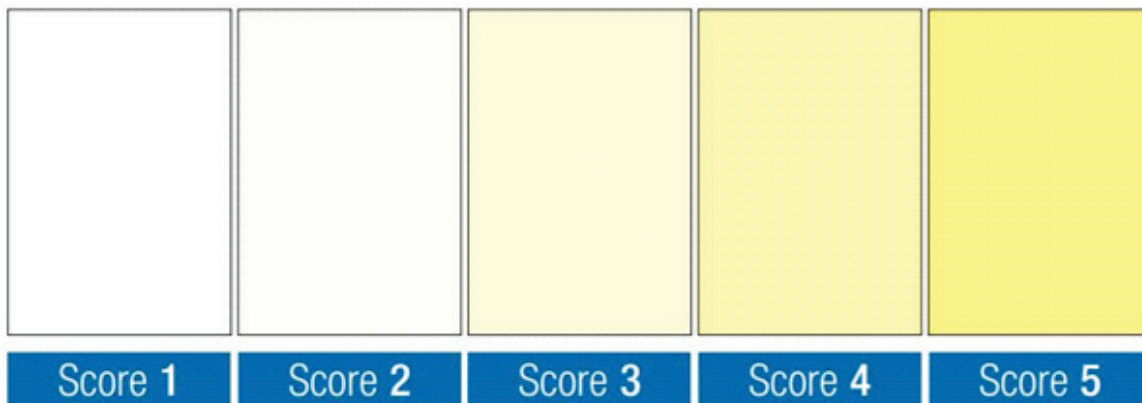
Allan Casey, an experienced sheep classer who has performed structural scoring within many sire evaluations independently classed all rams prior to sale and allocated visual trait scores based on the following information.

The scores recorded are as described in the Australian sheep standard for visual traits, as shown in the “visual-sheep-scores-producer-version-2019” booklet.

These scores are analysed and reported by Sheep Genetics.

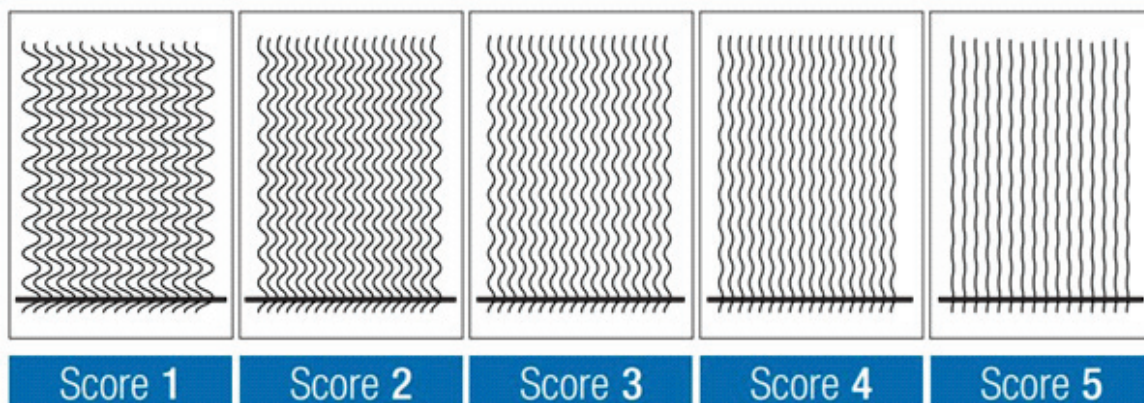
1. WOOL COLOUR (COL) Definition: Wool colour describes the intensity of whiteness and yellowness of greasy wool. Traits are scored 1 to 5. Ideal scores are 1 to 2.

Wool colour (COL)



2. WOOL CHARACTER (CHAR) Definition: Wool character describes the definition of crimp, in terms of both evenness and depth. Traits are scored 1 to 5. Ideal scores are 1 to 2.

Wool character (CHAR)





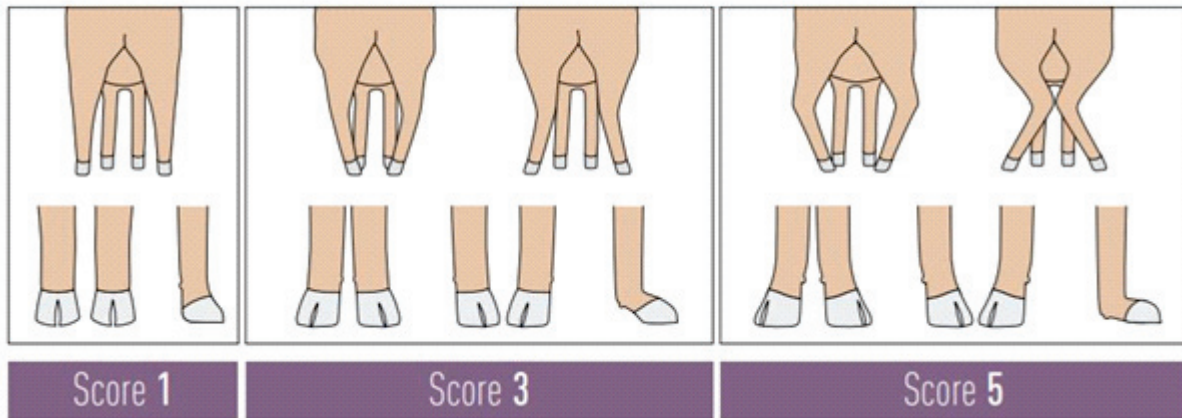
HAZELDEAN
LITCHFIELD

3. LEGS/FEET (LEGS) Reported in this catalogue as three traits.

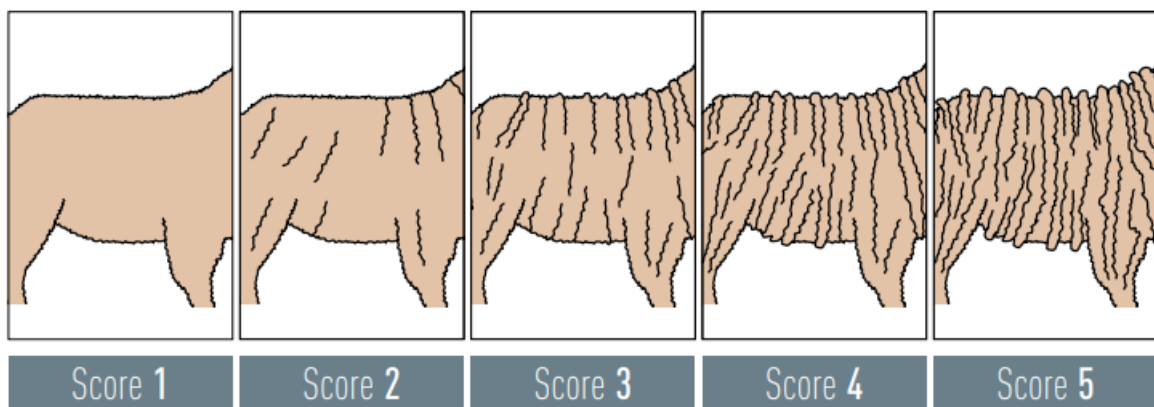
Definition: Legs/Feet is a combined trait. It refers to the overall soundness of the front and back leg and feet structure and in particular the orientation of the legs and feet and angulation of the hocks and pasterns in relation to the feet. The back leg structure is scored as the sheep is walking away from the assessor.

- 3. (i) Back legs (often described as Hocks). Ideal scores are 1 to 1.5
- 3. (ii) Front feet/legs. Ideal scores are 1 to 2
- 3. (iii) Back feet. Ideal scores are 1 to 1.5

LEGS/FEET (LEGS)



BODY WRINKLE (BDWR)





Explanation of Terms Used

Australian Sheep Breeding Values (ASBVs)

ASBVs describe the expected performance of a ram's progeny. Although actual measurements of fleece weight, fibre diameter etc. are a good guide to the performance of the ram's progeny, adding the measurements and genomics of relatives to the calculation allows the likely breeding value of the ram to be more accurately represented.

An ASBV may be different to the animal's actual performance that is a combination of both genetic and environmental influences.

There are ASBVs for many different traits that impact the performance and profitability of sheep enterprises. ASBVs are generated from the data, pedigree and genomic information collected by Sheep Genetics members to provide a prediction of genetic merit. Breeding values are estimated like this because thousands of genes, most having only a small genetic effect, control most traits.

WT (kg) - Animals with a more positive ASBV for weight (WT) will produce lambs that grow faster and therefore reach target weights in a shorter period of time.

CFW (%) – Rams with a higher clean fleece weight (CFW) will produce progeny that cut more wool. A ram with an ASBV of 30% will produce progeny that cut 15% more wool than the progeny of a ram with an ASBV of 0.

FD (m) – Lower negative fibre diameter (FD) ASBVs are generally desirable. A ram that has an ASBV of -2.0 will produce progeny that are genetically 1.0 micron finer than a ram with an ASBV of 0.

FDCV (%) – Animals with lower fibre diameter coefficient of variation (FDCV) ASBVs will genetically have a lower variation in fibre diameter. A lower CV% is often associated with higher staple strength, therefore sheep with a small variation about the average are described as having “a good CV”. CV is also important as wool can be spun into a finer yarn if it has a low CV.

Accuracy is represented as a percentage and is a reflection of the amount of effective information that is available to calculate the ASBV. All ASBVs are now published with accuracies. The higher the percentage, the closer the ASBV is to the true breeding value of the animal.

NOTE: An ASBV of 0 is the average of the 1990 drop. It is important to compare ASBVs against current industry average.





What are indexes?

Indexes combine important production traits into one number and are a useful way to rank animals quickly and easily.

Indexes are created by putting a weighting on each trait depending on how important they are. The breeding value of each animal is multiplied by this weighting to create one number.

Using indexes to select animals ensures balanced genetic progress is made towards a more profitable sheep production system. A ram with a higher index will produce progeny that are more profitable in that production system.

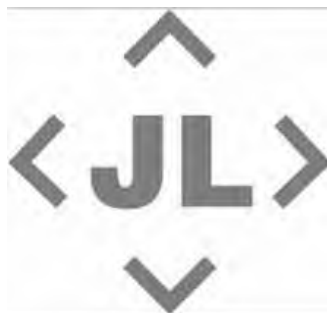
Below are three key steps for using indexes in purchasing decisions:

1. Rank animals on your chosen index
2. Consider the individual ASBVs which are important in your breeding objective to short list animals
3. Make sure those animals meet your structural and type requirements.

Fibre Production (FP) and Fibre Production Plus (FP+) The FP and FP+ indexes are for a self-replacing Merino flock where the majority of income is from the wool clip. As this production system is commonly used in high rainfall zones where internal parasites cause significant economic losses, worm egg count is included in the FP+ index. Reproduction and staple strength are also included in the FP+ index.

Merino Production (MP) and Merino Production Plus (MP+) The MP and MP+ indexes are for a self-replacing Merino flock where the income is a combination of wool and surplus Merino sheep sales. Improvement of wool income is focused on a balance of increasing fleece weight and reducing fibre diameter, with a small degree of emphasis on maintaining or slightly increasing staple strength in the MP+ index.

Dual Purpose (DP) and Dual Purpose Plus (DP+) The DP and DP+ indexes are for self-replacing Merino flocks whose majority of sheep income comes from sheep sales. It is for self-replacing merino flocks that do not keep their wethers and join a portion of their ewes to terminal sires to generate crossbred lambs for meat production. This means that there is increased emphasis on growth, carcase performance, and reproduction to capitalise on the high value of lambs and to ensure that flock size is sustainable while joining to terminal sires. Wool production is still important, but the balance is on increasing fleece weight while trying to limit change in fibre diameter and staple strength.



Report: Percentile Bands
 Analysis: MERINO
 Analysis date: 07/12/2022



Band	MP+	YWT	YCFW	ACFW	YFD	YSS	YDCV	EBWR	WR
1	199.64	13.09	38.33	37.01	-3.37	8.09	-2.88	-1.39	0.33
5	187.82	11.06	32.61	30.8	-2.62	5.79	-2.31	-1.17	0.26
10	181.12	9.97	29.5	27.41	-2.23	4.59	-2.02	-0.98	0.23
20	172.78	8.63	25.65	23.16	-1.76	3.18	-1.65	-0.75	0.18
30	166.61	7.64	22.84	20.08	-1.43	2.23	-1.37	-0.59	0.15
40	161.32	6.8	20.42	17.45	-1.17	1.45	-1.13	-0.44	0.12
50	156.57	6.02	18.12	15.02	-0.94	0.73	-0.9	-0.3	0.09
60	151.84	5.24	15.81	12.55	-0.71	0.05	-0.66	-0.15	0.07
70	146.76	4.37	13.27	9.87	-0.46	-0.67	-0.41	0.02	0.04
80	140.68	3.31	10.22	6.73	-0.16	-1.52	-0.1	0.21	0.01
90	131.5	1.82	5.72	2.24	0.3	-2.79	0.34	0.49	-0.02

HAZELDEAN ELITE RAM SALE TEAM 2023 ASBV SUMMARY

LOT	Sire	MGS	Horn	YWT	YFD	YCFW	ACFW	YFDCV	YSS	MP+
1	CP7707350	16002777	PH	8.52	-1.38	26.93	14.72	-3.05	7.63	193.57
2	15003368	16002777	PP	4.99	-2.69	29.86	21.88	-0.21	-4.28	175.2
3	12004030	15003368	HH	8.91	-1.23	37.55	31.74	-1.41	4.83	199.12
4	NER160404	11003542	HH	7.08	-2.79	34.45	32.62	-0.6	-0.83	199.98
5	YG190110	17001967	HH	9.32	-0.94	40.47	31.47	-2.02	8.81	208.4
6	18000920	14005285	PH	1.83	-2.12	30	26.06	-1.83	6.85	184.62
7	NER160404	WD140754	HH	4.27	-2.28	33.99	31.35	-0.52	-0.55	184.21
8	17002043	16001437	HH	8.13	-1.78	34	26.1	-0.74	-0.65	185.98
9	NER160404	16000113	HH	3.46	-2.06	29.05	28.34	-0.75	2.23	186.57
10	NER160404	14005285	HH	5.01	-2.73	33.01	29.69	-0.7	-6.64	178.44
11	18002529	12004030	PH	4.97	-2.1	35.05	28.61	-0.98	-0.21	183.56
12	YG190110		HH	5.56	-2.43	22.26	15.07	-0.72	0.45	170.91
13	15003368	13004936	HH	6.9	-1.96	34.46	31.15	0.44	-4.12	191.94
14	19002944	14004671	PH	4.7	-2.03	26.79	21.72	-1.58	1.19	175.81
15	YG190110	12004030	HH	9.52	-2.65	25.28	16.61	-1.62	4.62	195.68
16	12004030	14004340	HH	6.47	-2.37	33.58	31.75	-1.03	-2.97	189.11
17	17002043	16000113	PH	5.01	-1.43	41.56	36.22	-0.91	2.58	199.89
25	17000276	15003368	PH	5.52	-2	27.31	17.94	-1.44	-0.54	175.03
19	YG190110	16000113	PH	9.31	-2.32	17.35	6.97	-3.76	10.2	192.85
20	12004030	16000113	PH	8.63	-1.43	40.34	37.79	-1.75	0.75	200.28
21	YG150313	16002165	PH	5.96	-2.23	31.91	25.05	-1.41	-0.06	190.21
22	CP7707350	11004242	PH	7.48	-1.2	29.92	23.3	-1.34	2.9	188.58
23	YW171162	11003542	PP	2.96	-1.43	37.22	30.25	-0.7	4.89	195.05
24	12004030	11003542	PH	2.28	-1.65	39.57	35.45	-0.83	3.96	199.84
18	YG190110	15004249	HH	6.87	-1.17	44.24	37.72	-1.27	3.87	201.12
26	YG190110	11003542	HH	5.11	-3.52	17.94	11.2	-1.23	-1.65	179.62
27	19002944	NAM009	HH	6.22	-1.58	24.18	17.68	-1.95	1.55	164.09
28	YG190110	10000080	PH	7.17	-1.2	28.04	27.92	-0.77	1.18	169.84
AVERAGE ASBVS ELITE RAM SALE TEAM 2023				6.15	-1.95	31.65	25.94	-1.24	1.64	187.84
<i>AVERAGE ASBVS FOR 2021 DROP IN MERINOSELECT</i>				6.28	-0.9	18.64	15.58	-0.92	0.75	156.56
				TOP 1%	TOP 5%	TOP 10%	TOP 30%			

HAZELDEAN ELITE RAM SALE 2022 REFERENCE SIRE SUMMARY

REF SIRE	SIRE	Horn	MGs	YWT	YFD	AFD	YCFW	ACFW	YFDCV	YSS	YSL	DP+	MP+	FP+
18002980	15003374	PH	14001056	10.5	-2.2	-2.2	48.6	43.5	-0.6	-2.5	16.9	230	228	196
NER160404	CHARINGA-140975	HH		6.9	-2.7	-2.7	39.9	39.2	0.0	-0.9	6.4	216	220	197
15003374	CP907538	PH	NR080121	10.0	-2.9	-3.4	38.0	27.6	-1.4	-1.0	14.0	203	215	194
18002236	16000113	PH	11004910	5.5	-2.4	-2.6	40.3	37.7	-1.2	1.2	7.0	191	210	193
17000490	11003542	PH	8003561	3.9	-1.9	-1.9	48.5	42.3	0.2	-3.1	11.3	197	208	181
18003844	13004936	PH	12004059	5.6	-2.2	-2.6	41.1	39.9	0.4	-5.2	10.3	198	207	181
16000128	11000043	PP	10004415	8.2	-1.8	-1.7	34.9	28.6	-0.8	1.2	10.8	189	193	173
18002529	16000113	PH	12004092	10.3	-1.4	-1.6	32.8	30.8	-1.6	1.2	10.4	185	191	171
18001553	YG160070	PH		4.6	-2.6	-2.7	31.8	30.8	0.3	-5.1	5.0	180	189	175
15003368	CP907538	PH	9004078	11.0	-1.7	-2.0	34.2	29.1	-0.9	-2.4	11.7	192	187	167
17000073	11003542	PH	11000043	7.9	-2.4	-2.6	30.6	23.1	-0.9	-3.0	3.7	185	187	165
16002165	12004059	PH	9004337	7.4	-2.1	-2.9	35.6	27.1	-1.2	-5.5	8.5	170	184	173
18001624	YG160070	PH		5.1	-2.6	-3.2	27.2	20.5	-0.8	-4.9	9.6	172	176	167

PERCENTILE BANDS FOR 2020 DROP IN MERINOSELECT

TOP 1%

TOP 5%

TOP 10%

TOP 30%



HAZELDEAN
LITCHFIELD

Lot: 1		PH		Rear Type: Twin				Tag No: 21002005					
Sire: CENTRE PLUS POL		Sire: 16002777		Indices				Wool Test Results					
Sire: CP7707350		Dam: 18002791						24/05/22					
Dam: CENTRE PLUS POL		Dam: 15004435		MP+	FP+	DP+	Micron	GFW	CF				
				194	174	206	17.5	5.2	99.7				
Australian Sheep Breeding Values								Structural Results					
07 December 2022								10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	8.5	26.9	14.7	-1.4	7.6	-3.0	16.8			Front	Back	Char	Col
Acc	73%	70%	69%	73%	66%	70%	69%	1.5	1.0	1.5	1.0	1	1.5

Buyer

\$

Lot: 2		PP		Rear Type: Single				Tag No: 21000295					
Sire: CP907538		Sire: 16002777		Indices				Wool Test Results					
Sire: 15003368		Dam: 18002345						24/05/22					
Dam: 12006191		Dam:		MP+	FP+	DP+	Micron	GFW	CF				
				175	157	176	16	5.1	99.9				
Australian Sheep Breeding Values								Structural Results					
07 December 2022								10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	5.0	29.9	21.9	-2.7	-4.3	-0.2	7.0			Front	Back	Char	Col
Acc	72%	69%	67%	75%	66%	69%	69%	2.5	1.0	1.0	1.0	1	2

Buyer

\$

Lot: 3		HH		Rear Type: Single				Tag No: 21000542					
Sire: NR080121		Sire: 15003368		Indices				Wool Test Results					
Sire: 12004030		Dam: 19002250						24/05/22					
Dam:		Dam: 17000161		MP+	FP+	DP+	Micron	GFW	CF				
				199	178	189	18.4	5.6	99.5				
Australian Sheep Breeding Values								Structural Results					
07 December 2022								10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	8.9	37.5	31.7	-1.2	4.8	-1.4	16.9			Front	Back	Char	Col
Acc	73%	71%	69%	76%	68%	70%	71%	2.5	1.0	1.0	1.0	2	1

Buyer

\$

Lot: 4		HH		Rear Type: Twin				Tag No: 21001599					
Sire: CHARINGA-140975		Sire: 11003542		Indices				Wool Test Results					
Sire: NER160404		Dam: 17000546						24/05/22					
Dam: NERSTANE-141019		Dam:		MP+	FP+	DP+	Micron	GFW	CF				
				200	184	189	17.1	5.9	99.6				
Australian Sheep Breeding Values								Structural Results					
07 December 2022								10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	7.1	34.5	32.6	-2.8	-0.8	-0.6	8.6			Front	Back	Char	Col
Acc	73%	71%	68%	77%	67%	70%	71%	2.5	1.0	1.5	1.0	1.5	1.5

Buyer

\$

Percentile band for 2021 drop animals in SGA

ELITE RAM SALE 2023

Top 5% Top 10% Top 30%

www.hazeldean.com.au



HAZELDEAN
LITCHFIELD

Lot: 5		HH		Rear Type: Single				Tag No: 21000620					
Sire: WY140149		Sire: 17001967		Indices				Wool Test Results 24/05/22					
Sire: YG190110		Dam: 19001907						MP+	FP+	DP+	Micron	GFW	CF
Dam: YG150029		Dam: 13002658		208	188	203	20.1	6	99.2				
Australian Sheep Breeding Values 07 December 2022								Structural Results 10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	9.3	40.5	31.5	-0.9	8.8	-2.0	8.1			Front	Back	Char	Col
Acc	74%	70%	68%	77%	67%	70%	71%		1.0	1.0	1.0	1	1.5

Buyer

\$

Lot: 6		PH		Rear Type: Single				Tag No: 21003621					
Sire: WD140754		Sire: 14005285		Indices				Wool Test Results 24/05/22					
Sire: 18000920		Dam: 16003352						MP+	FP+	DP+	Micron	GFW	CF
Dam: 13004535		Dam: 14000288		185	179	165	17.5	4	100				
Australian Sheep Breeding Values 07 December 2022								Structural Results 10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	1.8	30.0	26.1	-2.1	6.8	-1.8	11.2			Front	Back	Char	Col
Acc	73%	70%	69%	77%	66%	70%	71%	2	1.0	2.0	1.0	1.5	1.5

Buyer

\$

Lot: 7		HH		Rear Type: Twin				Tag No: 21001506					
Sire: CHARINGA-140975		Sire: WD140754		Indices				Wool Test Results 24/05/22					
Sire: NER160404		Dam: 18001021						MP+	FP+	DP+	Micron	GFW	CF
Dam: NERSTANE-141019		Dam: 14003143		184	169	174	18.3	5.5	99.2				
Australian Sheep Breeding Values 07 December 2022								Structural Results 10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	4.3	34.0	31.4	-2.3	-0.6	-0.5	4.3			Front	Back	Char	Col
Acc	73%	71%	68%	77%	67%	70%	71%	2.5	1.0	1.0	1.0	1.5	1.5

Buyer

\$

Lot: 8		HH		Rear Type: Single				Tag No: 21000461					
Sire: 13004936		Sire: 16001437		Indices				Wool Test Results 24/05/22					
Sire: 17002043		Dam: 19001367						MP+	FP+	DP+	Micron	GFW	CF
Dam: 14000670		Dam: 17001609		186	165	186	18.4	5.6	99.5				
Australian Sheep Breeding Values 07 December 2022								Structural Results 10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	8.1	34.0	26.1	-1.8	-0.7	-0.7	10.5			Front	Back	Char	Col
Acc	74%	71%	69%	77%	68%	70%	72%	2.5	1.0	1.0	1.0	1.5	2

Buyer

\$

Percentile band for 2021 drop animals in SGA

ELITE RAM SALE 2023

Top 5% Top 10% Top 30%

www.hazeldean.com.au



HAZELDEAN
LITCHFIELD

Lot: 9		HH		Rear Type: Twin				Tag No: 21001530					
Sire: CHARINGA-140975		Sire: 16000113		Indices				Wool Test Results					
Sire: NER160404		Dam: 19000583						24/05/22					
Dam: NERSTANE-141019		Dam: 13004191		MP+	FP+	DP+	Micron	GFW	CF				
				187	174	186	17.5	4.7	99.5				
Australian Sheep Breeding Values								Structural Results					
07 December 2022								10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	3.5	29.1	28.3	-2.1	2.2	-0.8	4.4			Front	Back	Char	Col
Acc	73%	72%	69%	78%	69%	71%	73%	2	1.0	1.0	1.0	1	1.5

Buyer

\$

Lot: 10		HH		Rear Type: Twin				Tag No: 21001492					
Sire: CHARINGA-140975		Sire: 14005285		Indices				Wool Test Results					
Sire: NER160404		Dam: 17002916						24/05/22					
Dam: NERSTANE-141019		Dam: 15004379		MP+	FP+	DP+	Micron	GFW	CF				
				178	165	166	18.2	5.5	99.3				
Australian Sheep Breeding Values								Structural Results					
07 December 2022								10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	5.0	33.0	29.7	-2.7	-6.6	-0.7	11.8			Front	Back	Char	Col
Acc	73%	71%	69%	77%	68%	71%	72%	2.5	1.0	1.0	1.0	2	1.5

Buyer

\$

Lot: 11		PH		Rear Type: Twin				Tag No: 21001758					
Sire: 16000113		Sire: 12004030		Indices				Wool Test Results					
Sire: 18002529		Dam: 17003964						24/05/22					
Dam: 14005177		Dam:		MP+	FP+	DP+	Micron	GFW	CF				
				184	169	163	17.6	5.1	99.5				
Australian Sheep Breeding Values								Structural Results					
07 December 2022								10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	5.0	35.0	28.6	-2.1	-0.2	-1.0	8.8			Front	Back	Char	Col
Acc	72%	70%	67%	76%	67%	70%	70%	2	1.0	1.5	1.0	2	1.5

Buyer

\$

Lot: 12		HH		Rear Type: Twin				Tag No: 21001874					
Sire: WY140149		Sire:		Indices				Wool Test Results					
Sire: YG190110		Dam: 18001724						24/05/22					
Dam: YG150029		Dam:		MP+	FP+	DP+	Micron	GFW	CF				
				171	161	167	17	4.4	99.7				
Australian Sheep Breeding Values								Structural Results					
07 December 2022								10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	5.6	22.3	15.1	-2.4	0.5	-0.7	9.3			Front	Back	Char	Col
Acc	72%	69%	67%	76%	65%	69%	70%	2	1.0	1.0	1.0	2	1.5

Buyer

\$

Percentile band for 2021 drop animals in SGA

ELITE RAM SALE 2023

Top 5% Top 10% Top 30%

www.hazeldean.com.au



HAZELDEAN
LITCHFIELD

Lot: 13		HH		Rear Type: Single				Tag No: 2100501					
Sire: CP907538		Sire: 13004936		Indices			Wool Test Results 24/05/22						
Sire: 15003368		Dam: 17002029		MP+	FP+	DP+	Micron	GFW	CF				
Dam: 12006191		Dam: 14001164		192	164	192	17.9	5.7	99.7				
Australian Sheep Breeding Values 07 December 2022								Structural Results 10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	6.9	34.5	31.1	-2.0	-4.1	0.4	10.7			Front	Back	Char	Col
Acc	73%	71%	69%	77%	68%	71%	71%	2	1.0	1.0	1.0	1.5	2

Buyer

\$

Lot: 14		PH		Rear Type: Twin				Tag No: 21002904					
Sire: 16000113		Sire: 14004671		Indices			Wool Test Results 24/05/22						
Sire: 19002944		Dam: 18002144		MP+	FP+	DP+	Micron	GFW	CF				
Dam:		Dam: 16001483		176	163	171							
Australian Sheep Breeding Values 07 December 2022								Structural Results 10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	4.7	26.8	21.7	-2.0	1.2	-1.6	9.5			Front	Back	Char	Col
Acc	71%	67%	65%	70%	61%	67%	66%	2	1.0	1.0	1.0	1.5	2

Buyer

\$

Lot: 15		HH		Rear Type: Twin				Tag No: 21000976					
Sire: WY140149		Sire: 12004030		Indices			Wool Test Results 24/05/22						
Sire: YG190110		Dam: 17001701		MP+	FP+	DP+	Micron	GFW	CF				
Dam: YG150029		Dam: 15000322		196	180	196	17.5	3.6	99.5				
Australian Sheep Breeding Values 07 December 2022								Structural Results 10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	9.5	25.3	16.6	-2.6	4.6	-1.6	3.6			Front	Back	Char	Col
Acc	74%	71%	69%	78%	67%	71%	72%	2	1.0	1.0	1.0	2	1.5

Buyer

\$

Lot: 16		HH		Rear Type: Twin				Tag No: 21001117					
Sire: NR080121		Sire: 14004340		Indices			Wool Test Results 24/05/22						
Sire: 12004030		Dam: 18003337		MP+	FP+	DP+	Micron	GFW	CF				
Dam:		Dam: 16002893		189	173	172	16.9	4	99.8				
Australian Sheep Breeding Values 07 December 2022								Structural Results 10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	6.5	33.6	31.8	-2.4	-3.0	-1.0	14.3			Front	Back	Char	Col
Acc	75%	72%	71%	78%	69%	72%	73%	2	1.0	1.0	1.0	1.5	1.5

Buyer

\$

Percentile band for 2021 drop animals in SGA

ELITE RAM SALE 2023

Top 5% Top 10% Top 30%

www.hazeldean.com.au



HAZELDEAN
LITCHFIELD

Lot: 17		PH		Rear Type: Twin				Tag No: 21001404					
Sire: 13004936		Sire: 16000113		Indices				Wool Test Results					
Sire: 17002043		Dam: 19000083						24/05/22					
Dam: 14000670		Dam: 16009252		MP+	FP+	DP+	Micron	GFW	CF				
				200	177	198	19.4	5.5	98.9				
Australian Sheep Breeding Values								Structural Results					
07 December 2022								10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	5.0	41.6	36.2	-1.4	2.6	-0.9	7.7			Front	Back	Char	Col
Acc	71%	69%	67%	75%	66%	69%	70%	2.5	1.0	1.0	1.0	2	2

Buyer

\$

Lot: 18		HH		Rear Type: Twin				Tag No: 21001487					
Sire: WY140149		Sire: 15004249		Indices				Wool Test Results					
Sire: YG190110		Dam: 18002764						24/05/22					
Dam: YG150029		Dam: 15007973		MP+	FP+	DP+	Micron	GFW	CF				
				201	181	190	19.6	6	98.9				
Australian Sheep Breeding Values								Structural Results					
07 December 2022								10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	6.9	44.2	37.7	-1.2	3.9	-1.3	14.1			Front	Back	Char	Col
Acc	73%	70%	68%	77%	65%	69%	70%	2	1.0	1.0	1.0	1.5	1.5

Buyer

\$

Lot: 19		PH		Rear Type: Twin				Tag No: 21000163					
Sire: WY140149		Sire: 16000113		Indices				Wool Test Results					
Sire: YG190110		Dam: 19000013						24/05/22					
Dam: YG150029		Dam: 15005152		MP+	FP+	DP+	Micron	GFW	CF				
				193	184	193	16.8	3.5	99.5				
Australian Sheep Breeding Values								Structural Results					
07 December 2022								10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	9.3	17.4	7.0	-2.3	10.2	-3.8	6.7			Front	Back	Char	Col
Acc	73%	70%	68%	77%	67%	70%	71%	1.5	1.0	1.0	1.0	1	1.5

Buyer

\$

Lot: 20		PH		Rear Type: Single				Tag No: 21000611					
Sire: NR080121		Sire: 16000113		Indices				Wool Test Results					
Sire: 12004030		Dam: 19000543						24/05/22					
Dam:		Dam: 15004237		MP+	FP+	DP+	Micron	GFW	CF				
				200	183	189	19.1	5.5	99.3				
Australian Sheep Breeding Values								Structural Results					
07 December 2022								10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	8.6	40.3	37.8	-1.4	0.8	-1.8	14.6			Front	Back	Char	Col
Acc	74%	72%	71%	78%	70%	72%	73%	2.5	1.0	1.0	1.0	1.5	1.5

Buyer

\$

Percentile band for 2021 drop animals in SGA

ELITE RAM SALE 2023

Top 5% Top 10% Top 30%

www.hazeldean.com.au



HAZELDEAN
LITCHFIELD

Lot: 21		PH		Rear Type: Twin				Tag No: 21001724					
Sire: YG120043		Sire: 16002165		Indices				Wool Test Results					
Sire: YG150313		Dam: 19001126						24/05/22					
Dam:		Dam: 17000787		MP+	FP+	DP+	Micron	GFW	CF				
				190	179	180	16.8	4.5	99.8				
Australian Sheep Breeding Values								Structural Results					
07 December 2022								10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	6.0	31.9	25.1	-2.2	-0.1	-1.4	6.5			Front	Back	Char	Col
Acc	73%	71%	71%	74%	67%	71%	70%	2	1.0	1.0	1.0	1	1

Buyer

\$

Lot: 22		PH		Rear Type: Triplet				Tag No: 21000722					
Sire: CENTRE PLUS POL		Sire: 11004242		Indices				Wool Test Results					
Sire: CP7707350		Dam: 18003472						24/05/22					
Dam: CENTRE PLUS POL		Dam: 16001857		MP+	FP+	DP+	Micron	GFW	CF				
				189	163	191	19.3	4.5	99.5				
Australian Sheep Breeding Values								Structural Results					
07 December 2022								10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	7.5	29.9	23.3	-1.2	2.9	-1.3	15.7			Front	Back	Char	Col
Acc	75%	72%	71%	78%	69%	71%	72%	2	1.0	1.0	1.0	1	1.5

Buyer

\$

Lot: 23		PP		Rear Type: Triplet				Tag No: 21001709					
Sire: POLL BOONOKI-15		Sire: 11003542		Indices				Wool Test Results					
Sire: YW171162		Dam: 17000096						24/05/22					
Dam:		Dam: 14005731		MP+	FP+	DP+	Micron	GFW	CF				
				195	179	182	19	4.8	98.7				
Australian Sheep Breeding Values								Structural Results					
07 December 2022								10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	3.0	37.2	30.3	-1.4	4.9	-0.7	1.4			Front	Back	Char	Col
Acc	73%	70%	68%	74%	66%	71%	70%	2.5	1.0	1.0	1.0	1.5	1.5

Buyer

\$

Lot: 24		PH		Rear Type: Twin				Tag No: 21000017					
Sire: NR080121		Sire: 11003542		Indices				Wool Test Results					
Sire: 12004030		Dam: 17000085						24/05/22					
Dam:		Dam: 15003365		MP+	FP+	DP+	Micron	GFW	CF				
				200	186	176	17.8	5.4	99.3				
Australian Sheep Breeding Values								Structural Results					
07 December 2022								10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	2.3	39.6	35.5	-1.6	4.0	-0.8	12.8			Front	Back	Char	Col
Acc	74%	72%	71%	78%	69%	72%	73%	2.5	1.0	1.0	1.0	1.5	1

Buyer

\$

Percentile band for 2021 drop animals in SGA

ELITE RAM SALE 2023

Top 5% Top 10% Top 30%

www.hazeldean.com.au



HAZELDEAN
LITCHFIELD

Lot: 25		PH		Rear Type: Twin				Tag No: 21002786					
Sire: 11003542		Sire: 15003368		Indices				Wool Test Results					
Sire: 17000276		Dam: 19001181						24/05/22					
Dam: 15003803		Dam: 17002180		MP+	FP+	DP+	Micron	GFW	CF				
				175	161	172	17.3	4.1	99.7				
Australian Sheep Breeding Values								Structural Results					
07 December 2022								10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	5.5	27.3	17.9	-2.0	-0.5	-1.4	9.5			Front	Back	Char	Col
Acc	74%	71%	70%	77%	68%	71%	72%	2	1.5	1.0	1.0	1	1

Buyer

\$

Lot: 26		HH		Rear Type: Triplet				Tag No: 21002079					
Sire: WY140149		Sire: 11003542		Indices				Wool Test Results					
Sire: YG190110		Dam: 17000362						24/05/22					
Dam: YG150029		Dam: 14005429		MP+	FP+	DP+	Micron	GFW	CF				
				180	172	178	14.4	3.5	99.9				
Australian Sheep Breeding Values								Structural Results					
07 December 2022								10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	5.1	17.9	11.2	-3.5	-1.6	-1.2	3.0			Front	Back	Char	Col
Acc	71%	69%	67%	73%	64%	69%	67%	2	1.0	1.0	1.0	1.5	1.5

Buyer

\$

Lot: 27		HH		Rear Type: Twin				Tag No: 21003253					
Sire: 16000113		Sire: NAM009		Indices				Wool Test Results					
Sire: 19002944		Dam: 15005485						24/05/22					
Dam:		Dam: 12004866		MP+	FP+	DP+	Micron	GFW	CF				
				164	154	170	19	4	99.8				
Australian Sheep Breeding Values								Structural Results					
07 December 2022								10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	6.2	24.2	17.7	-1.6	1.6	-1.9	16.4			Front	Back	Char	Col
Acc	73%	69%	68%	77%	66%	69%	71%	2	1.0	1.0	1.0	2	1.5

Buyer

\$

Lot: 28		PH		Rear Type: Twin				Tag No: 21001625					
Sire: WY140149		Sire: 10000080		Indices				Wool Test Results					
Sire: YG190110		Dam: 15002638						24/05/22					
Dam: YG150029		Dam:		MP+	FP+	DP+	Micron	GFW	CF				
				170	154	167	20.1	5.2	99.1				
Australian Sheep Breeding Values								Structural Results					
07 December 2022								10 November 2022					
ASBV	yWT kg	yCFW%	aCFW%	yFDµm	ySS	yFDCV%	ySL	BWR	Hock	Legs		Wool	
	7.2	28.0	27.9	-1.2	1.2	-0.8	8.4			Front	Back	Char	Col
Acc	72%	70%	67%	76%	65%	69%	70%	2.5	3.0	1.0	1.0	2	1.5

Buyer

\$

Percentile band for 2021 drop animals in SGA

ELITE RAM SALE 2023

Top 5% Top 10% Top 30%

www.hazeldean.com.au

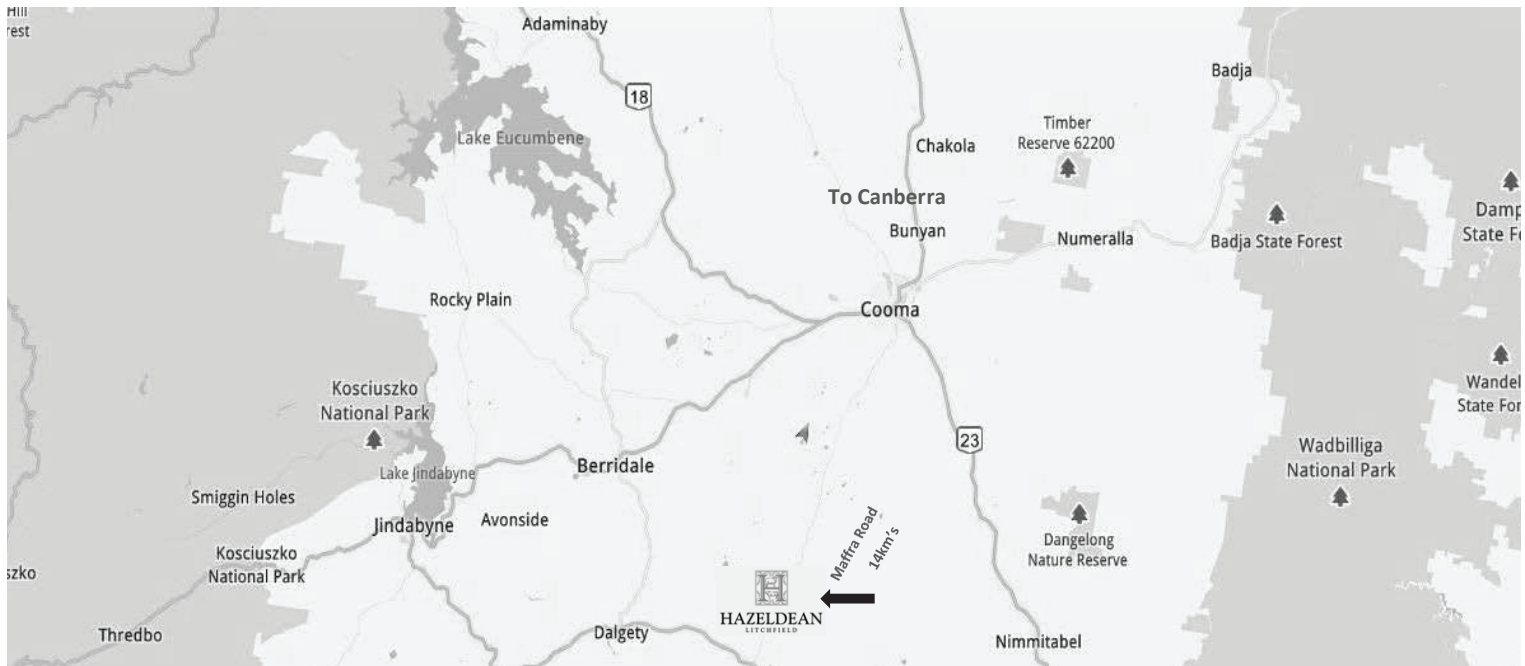
Directions to Hazeldean from Cooma

If you are entering Cooma from the Canberra (Eastern) end turn left at the first roundabout in the centre of town by the park. If entering from the Jindabyne (Western) it will be a right turn at the second roundabout. Follow this street, Bombala St, (also the Snowy Mountains Highway to Bega and the South Coast) until you reach a bridge over the Cooma Creek on the outskirts of town. Turn right just before the bridge. The sign says Bobundara 34 and also Church Rd.

Follow this road exactly 14kms from the turn and the Hazeldean mailbox and entrance is on the right - about 1 km past the only bridge you cross on the Bobundara Rd.

Airports

Hazeldean is located 1.5 hours' drive south of Canberra near Cooma. There are daily flights from all Capital cities to Canberra airport. Hazeldean is 20 minutes from the Snowy Mountains/Cooma Airport which is all weather and has lights. For privately chartered aircraft please contact 02 6452 5999 for more details.



Where to stay

Nebula Motel
42 Bombala Street
02 4552 4133

Altair Motel
192 Sharp Street
02 6452 1211

White Manor Motel
252 Sharp Street
02 6452 1152

When booking mention you are coming for the Hazeldean sale and they will give you a great deal.



HAZELDEAN
LITCHFIELD
EST 1865





HAZELDEAN
LITCHFIELD
EST 1865

Jim Litchfield
m: 0417 676 561

Ed Bradley
m: 0412 298 546

Bea Litchfield
m: 0427 933 103

Hazeldean Office 02 6453 5555
admin@hazeldean.com.au

www.hazeldean.com.au