



HAZELDEAN

LITCHFIELD

EST 1865



Hazeldean Merinos Monaro Ram Sale 2016

Thursday 27th October
Hazeldean, Cooma, NSW
Commencing 1pm



Hazeldean Hugh 11-003542

Hazeldean Hugh is a very exciting Poll Merino ram we have bred and progeny tested at Hazeldean Cooma and Hay. He is a long bodied, very correct ram who carries a large fleece of stylish, long stapled, white wool. He is a very uncomplicated sheep with a productive skin and super sound structure.

Hugh is sired by Stockman Jim out of a HAZ 2.9558 ewe, combining two well proven genetic lines. A trait leader for Yearling Clean Fleeceweight, Yearling Fibre Diameter and Yearling Staple Strength -currently sitting at the top of the MP+ and FP+ indexes. Hugh is already having a huge impact across the industry with semen used in many leading studs and flocks. Leading progeny tested ram at Hazeldean.

24 sons in the sale

Top 1% for Fleece weight & fibre diameter

Top of the breed for FP+ and MP+ indexes

HAZELDEAN MERINOS MONARO RAM SALE 2016

140 Merinos Poll & Horn

Inspections from 10am

Thursday 27th October 2016
Hazeldean, Cooma, NSW
1pm

Enquiries:

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Be sure of catalogue - Bring this one with you

www.hazeldean.com.au

Catalogue can be viewed at <http://sgsearch.sheepgenetics.org.au/Sales/>
and compared to other industry rams for sale



Dear Merino Breeder,

We are very pleased with this draft of young rams and particularly the influence **Hazeldean Hugh 11.3542** has had on our program. 20 sons of this outstanding sire are catalogued and represent an ideal opportunity to secure leading genetics from one of the industry's most proven and prepotent rams sitting at the top of index ranking.

Also in this draft are sons of **Hazeldean Haricot 11.43** who stamps his progeny with a very stylish wool preferred by buyers and very suitable to high rainfall environments. Other sires include high performing **Hazeldean Amicale 12.4059** who topped the June shearing sire progeny average for raw fleece weight. Amicale is a very soft handling fine wool ram who breaks the fibre diameter fleece weight conflict in great style.

Also included are sons of 2 high performing outside sires – **Nerstane 10.958 and Centre Plus 907538**. Both these sires are independently proven high performance sires with large numbers of progeny to give certainty to expected progeny performance.

Hazeldeans program is all about maximising the fundamental profit driver in agriculture – returns per hectare. Wool is still the most important determinant when analysing returns from a merino operation and growing more wool per hectare is what it's all about. Huge sheep might look appealing in the paddock but it is important to understand that the maintenance requirements of these animals is higher and therefore fewer can be run per hectare. They might cut a lot of wool but increasingly the evidence points towards less production and profit per hectare with very large bodied sheep.

Breeding is about balance and correctly prioritising selection criteria so that profit per hectare is always paramount.

We look forward to seeing you on sale day.

Regards,
Jim Litchfield



Stud History

With the acquisition of Rambouillet and Tasmanian bloodlines, James Litchfield established the Hazeldean Merino Stud in 1865. Occasional introductions based on Riverina Peppins occurred between the 1800's and 1958, when the Stud was closed. In 2000 the stud was reopened to access outside rams that have performed better than Hazeldean rams in Central Test Sire Evaluation and Sheep Genetics evaluation.

Hazeldean is a distinct strain of Australian Merino noted for its constitution, large frame and reputation in bloodline comparison trials, where it consistently demonstrates an ability to turn grass into dollars more effectively than other bloodlines. Hazeldean blood performs at the top in all major wool growing areas of Australia, and generally surpasses all other studs in profitability analyses.

Hazeldean has been under the direction of the Litchfield family for five generations and is one of the nation's oldest studs. It is also the oldest performance-based Merino stud in Australia.

In 1954 the Stud pioneered the adoption of a selection system based on measurable, commercially relevant traits, essential to the maximisation of profitability. The same system, although much enhanced through modern technology, remains the cornerstone of the Stud today.

The Hazeldean Breeding Policy

The special treatment of small groups through shedding and provision of artificial ration 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 wool 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 such as fleece weight and fibre diameter.

Hazeldean Flock Health Status

The Hazeldean flock is assessed under the National Johne's Disease Market Assurance Program and holds a status of Monitored Negative 3 Vaccinated (MN3-V).

The Hazeldean flock is also accredited as Brucellosis free.



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Explanation of Terms Used

To Express Measurement Details

An estimation of each ram's genetic worth relative to the average of his contemporaries is provided on each sale lot.

The measurements in the catalogue refer to the Australian Sheep Breeding Values (**ASBVs**) for each animal. An index and rank value are also included.

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 of relatives to the calculation allows the likely breeding value of the ram to be more accurately represented.

Accuracy is represented as a percentage and is a reflection of the amount of information that is available to calculate the ASBV.

FD (Dev) - (Fibre Diameter Deviation) - Represents the difference in fibre diameter measurement relative to other animals included in Sheep Genetics evaluation. The measurement is established by assessing a small sample of the fleece taken from the mid-side or the hip of the ram as well as including fibre test information on all relatives tested including brothers, sisters, parents, uncles, aunts etc. A negative figure indicates the ram is estimated to breed finer than average, a plus sign indicates the ram is estimated to breed stronger.

CFW (Clean Fleece Weight) – Rams with a higher clean fleece weight are estimated to produce progeny that cut more wool. Again this is assessed by weighing the fleece of the ram and including fleeceweights taken on all relatives

FDCV% (Co-efficient of Variation of Fibre Diameter)

It is impossible for sheep to have all their wool fibres exactly the same micron – the fibres on a sheep's back vary from fine to strong and the FD measurement is an average of all these fibres. However, some animals have less variation than others and are described as having lower fibre diameter coefficient of variation (FDCV). 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.

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



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Index Values

Each sale ram has an index describing its overall value. The index includes the traits of most value in Merino sheep (such as fleece weight and fibre measurement) and puts them together into one figure. This makes selection easier as it removes the need to weigh up fleece weight and fibre measurement independently when selecting rams.

It is also possible to put more emphasis on reducing fibre diameter, increasing fleece weight (or vice versa) or improving any other characteristic through the use of an index. This can be done by applying different weightings to each trait when calculating the index.

For example, as Hazeldean wishes to reduce fibre diameter at a faster rate than lifting fleece weight, we place a 7% premium on the value of fibre diameter in the calculation of our index. We also want to improve staple strength. Because Co-efficient of Variation (CV%) is correlated to Staple Strength, the Hazeldean Index places emphasis on lower CV% as a means to improve this trait.

Index Value's in this catalogue therefore represent each ram's combined performance for all measured traits plus information gathered on all measured relatives.

Information from Relatives

We all know that some rams will breed worse than they appear and some will breed better. This is either due to the influence of environment or genetics.

In the instance of **environment**, for example, rams that spend their entire lives in the ram shed and fed special rations each day are more likely to breed worse than they appear whereas rams who are weaned early, spend their first year in drought and go without a drop of TLC from then on are more likely to breed better than they appear.

In the instance of **genetics**, a high performing ram coming from a long line of high performing animals is more likely to breed better than a high performing ram coming from a line with low performing animals in it. If information on relatives (brothers, sisters, aunts, uncles, grandparents as well as sire and dam) is included in the assessment of an animals index, the likelihood of the ram having an accurate index ranking reflecting his true value, is much enhanced.

Semen Sales

Semen is available from our top sires.

A current list of our semen sires is available on our website: www.hazeldean.com.au on our **Merinos page** or contact Jim Litchfield on 02 6453 5555.



The 2016 Hazeldean sale rams are amongst the top end of all industry 2015 drop rams. The average ASBV's across the whole sale team are far better than industry average for fleece weight, fibre diameter and the FP+, MP+ and DP+ indexes. They will greatly increase fleece weight and improve wool quality.

This year's group of Auction rams has an average MP+ Index of 155% which puts the average of these rams in the top 10% of Industry as a group. It would be very hard to find a line up rams elsewhere with this type of performance.

The spread of breeding values on the rams are industry leading; **100% of these sale rams are in the top 10% or better of the Merino breed for at least one trait.** Coupled with the type and style of the rams, they are balanced to boost your bottom line.

Rams will be available for private selection following the sale or any other time by appointment.

Hazeldean Ram Sale Average ASBV's compared to Industry

	YFD	YCFW	YDCV	YWT	MP+	7%
HAZELDEAN MONARO RAM SALE AVE	-2.0	21.1	-0.4	1.1	155	170
Merinoselect INDUSTRY AVE for all 2015 born animals	-1.0	11.2	-0.6	3.8	132	NA

Hazeldean Sale Rams cut more wool that is of higher value, on sheep with lower maintenance requirements, giving more profit per hectare.

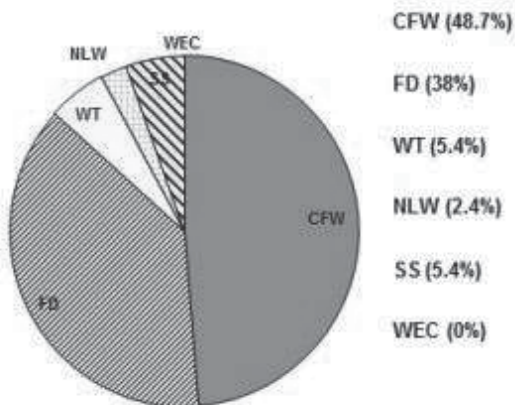
Trait contribution to profit

We have been utilising the **7% index** over the last couple of years in order to distribute the selection pressure to **increase wool cut and lower micron with a slight boost to live weight**. Staple strength is not forgotten but is maintained to be slightly improved.

The **2015 sale rams were graded using the 7% index** as well as being assessed for **soundness and wool quality**. It's exciting times for the stud with many of our sale rams trait leaders across the industry.

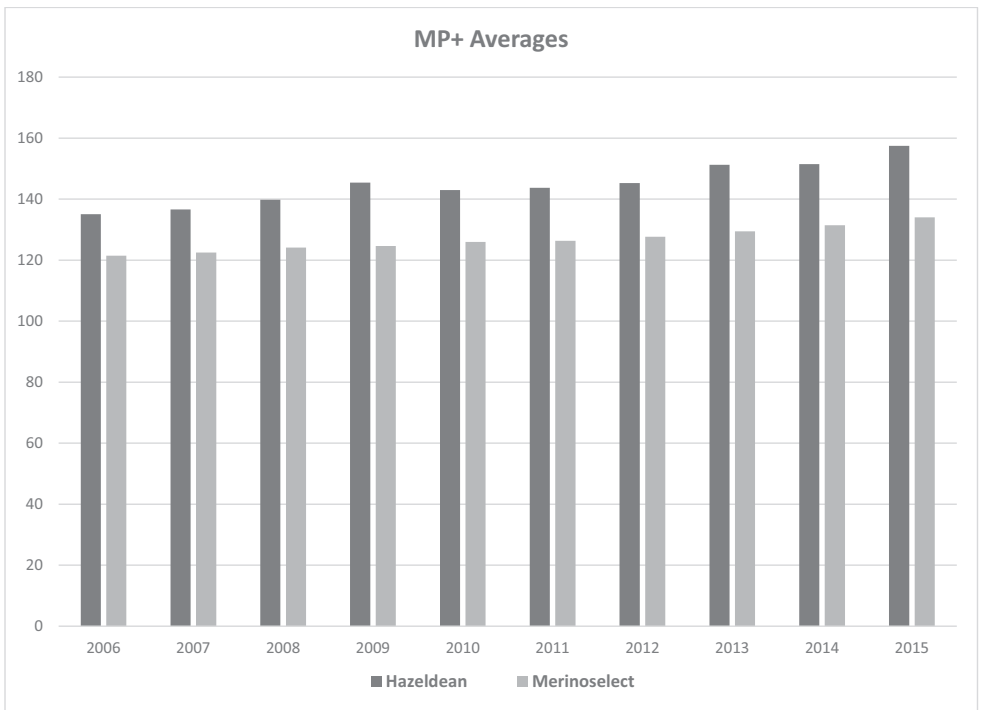
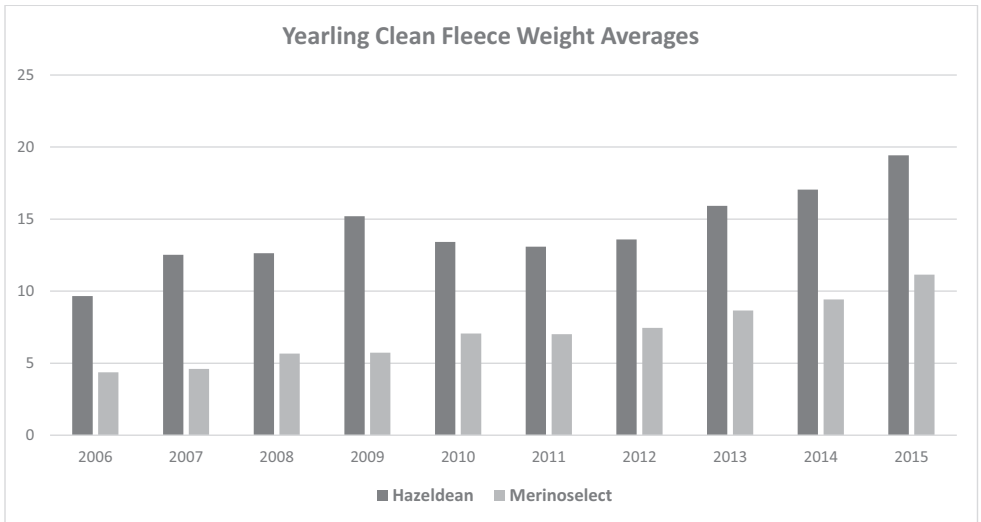
With the introduction of full pedigree and the integration of genomic technologies – we're busy –and it's rewarding to see **our genetics are unparalleled in improving your flock's profitability**.

Merino 7%



GFW	Greasy Fleece Weight
CFW	Clean Fleece Weight
FD	Fibre Diameter
WT	Liveweight
NLW	Number of lambs weaned
SS	Staple Strength
WEC	Worm Egg Count

Hazeldean flock compared with breed genetic trends over the past 10 years. Our genetic worth is proven – we continue to be leaders in the traits that make the difference. All giving higher returns per hectare.





ASBV and Index Percentile Band Table

Analysis MERINO Run date 07-Sep-16

Animals born in 2015

Band	Yfd	Ycfw	Yfdcv	Ysl	Yss	NLW	Ysc	Ywec	Ywt	Yfat	Yemd	DP+	MP+	FP+
	u	%	%	mm	NKTex	%	cm	%	kg	mm	mm			
0	-5.5	44.0	-3.5	32.4	11.7	24	6.5	-93	16.5	3.6	5.2	213.2	203.0	183.1
1	-4.1	28.3	-2.4	23.2	5.8	15	4.5	-84	11.5	1.7	2.9	179.8	175.3	160.9
2	-3.3	26.5	-2.2	20.5	5.0	13	4.1	-77	10.7	1.5	2.7	174.5	170.6	157.9
3	-3.0	25.5	-2.1	18.7	4.6	12	3.9	-69	10.2	1.4	2.5	171.0	167.6	155.7
4	-2.8	24.7	-2.0	17.3	4.4	12	3.7	-63	9.8	1.3	2.4	168.4	165.5	154.2
5	-2.7	24.0	-1.9	16.3	4.1	11	3.6	-59	9.5	1.3	2.3	166.4	163.8	153.0
10	-2.3	21.7	-1.7	13.7	3.3	9	3.1	-46	8.4	1.0	1.8	159.3	157.6	148.3
15	-2.1	20.1	-1.5	12.4	2.8	7	2.8	-39	7.6	0.9	1.5	154.8	153.4	145.1
20	-1.9	18.7	-1.4	11.5	2.4	6	2.6	-34	7.0	0.7	1.2	151.3	150.3	142.5
25	-1.8	17.5	-1.3	10.7	2.1	5	2.4	-30	6.5	0.6	1.0	148.3	147.6	140.3
30	-1.7	16.4	-1.2	10.0	1.7	4	2.2	-27	6.0	0.5	0.9	145.8	145.0	138.4
35	-1.5	15.4	-1.1	9.2	1.4	4	2.1	-24	5.6	0.4	0.7	143.4	142.6	136.6
40	-1.4	14.5	-1.0	8.5	1.2	3	2.0	-20	5.2	0.3	0.6	141.2	140.3	134.9
45	-1.3	13.5	-0.9	7.8	0.9	2	1.8	-17	4.8	0.2	0.5	139.1	138.3	133.2
50	-1.2	12.6	-0.8	7.2	0.6	2	1.7	-14	4.4	0.1	0.4	137.0	136.2	131.4
55	-1.1	11.7	-0.7	6.5	0.3	1	1.6	-11	4.0	0.0	0.2	135.0	134.3	129.6
60	-1.0	10.7	-0.6	5.8	0.0	0	1.4	-8	3.6	0.0	0.1	133.0	132.1	127.8
65	-0.9	9.7	-0.5	5.1	-0.3	-1	1.3	-5	3.2	-0.1	0.0	131.0	129.8	125.7
70	-0.7	8.6	-0.4	4.2	-0.7	-1	1.1	-1	2.8	-0.2	-0.1	128.8	127.4	123.4
75	-0.6	7.3	-0.3	3.2	-1.0	-2	0.9	2	2.3	-0.3	-0.2	126.4	124.8	120.7
80	-0.4	5.9	-0.1	2.1	-1.5	-3	0.8	6	1.8	-0.4	-0.4	123.7	122.0	117.8
85	-0.3	4.2	0.0	0.6	-2.0	-4	0.6	12	1.2	-0.5	-0.6	120.4	118.9	114.8
90	0.0	1.7	0.2	-1.3	-2.8	-6	0.3	20	0.4	-0.7	-0.8	116.5	114.9	111.1
95	0.4	-2.2	0.6	-3.7	-4.2	-9	-0.2	32	-0.6	-0.9	-1.1	110.3	109.1	105.5
96	0.5	-3.6	0.7	-4.5	-4.7	-10	-0.3	35	-0.9	-0.9	-1.2	108.2	106.8	103.5
97	0.7	-5.5	0.8	-5.4	-5.3	-11	-0.4	40	-1.3	-1.0	-1.3	105.1	103.7	100.8
98	0.9	-8.1	1.0	-6.6	-6.1	-15	-0.6	46	-1.7	-1.1	-1.4	100.0	97.9	95.2
99	1.2	-12.5	1.3	-8.5	-7.6	-21	-0.9	54	-2.5	-1.2	-1.7	87.5	84.0	72.8
100	4.1	-31.8	3.9	-16.7	-14.3	-36	-4.0	125	-7.9	-2.1	-3.7	9.6	47.1	40.8

SHEEP GENETICS



HAZELDEAN MONARO REFERENCE SIRES FOR SALE RAMS 2016

TAG	No. sons in SAL	Birth Date	Sire	POLL/HORN	YFD	YGFW	YCFW	YFDCV	YSL	YSS	YFEC	YWT	MP+	7%
HAZ11003542	21	1/08/2011	ST020603	POLL	-2.4	33.5	38.1	0.3	3.4	4.7	43.5	3.3	204	207
CP907538	24	2009	CP707221	POLL	-2.4	32.3	28.3	-1.3	11.6	-0.3	40.5	12.1	190	195
HAZ12004030	13	1/08/2012	NR080121	HORN	-1.4	31.3	34.6	0.4	13.3	7	-17.8	2.4	190	194
HAZ13000127	11	19/04/2013	CP907538	POLL	-2.6	29.4	27.8	-0.5	13.3	-2.3	18.7	9	184	191
NR100958	11	2/07/1905	Yalgoo050448	HORN	-1.8	18.0	21.6	-0.2	11.7	-1.4	-41.7	8.6	175	181
HAZ11000043	12	13/05/2011	CO070002	POLL	-2.5	23.2	26.1	-1.1	6.4	-1	41.8	8.8	174	183
HAZ12004059	12	1/08/2012	NR080121	HORN	-2.8	26.8	28.7	1.6	5.5	-14.1	-21.4	2.4	162	180
HAZ12004652	11	1/08/2012	ST020603	POLL	-2.7	13.4	18.8	0.2	3.2	-5.7	-0.5	2	159	169
HAZ11004613	8	1/09/2011	9003543	HORN	-2.9	22.0	22.9	-0.1	1.5	-2.2	-2.8	0.5	168	178
HAZ11004242	5	1/09/2011	9000156	HORN	-1.1	27.6	27.9	-0.5	8.3	5.1		2.4	173	171
HAZ10005106	4	21/08/2010	8003561	HORN	-2.3	14.5	14.3	-1.0	0.9	-1.2	-14.2	2.8	161	165
HAZ11003661	4	1/09/2011	9004337	POLL	-1.1	27.8	31.8	0.6	5.0	1.0	48.0	3.3	173	175
HAZ11003955	3	1/09/2011	8004678	HORN	-2.3	23	25.5	-0.2	10.7	-2.1		3	173	184
HAZ12004689	2	1/08/2012	ST020603	POLL	-1.6	22.2	26.9	1	8.4	-4.8	8.8	3.2	165	173
HAZ11004632	1	1/09/2011	9003543	HORN	-2.2	20.6	26.8	-0.1	0.4	-4.9		0.3	169	180
Average for sires of Hazeldean Monaro Sale team														
Average for all 2015 drop animals on SGA (60,000+)					-2.1	24.4	26.7	-0.1	6.9	-1.5	8.6	4.3	175	182
					-1	8.7	11.2	-0.6	5.8	0.3	-6	3.8	132	/

HAZ - Hazeldean
 CP - Centre Plus
 NR - Nerstane

TOP 10% or better of the Merino breed

HAZELDEAN MONARO RAM SALE 2016 - ASBV SUMMARY

Lot	Tag	Sire	Horn/Pol	YFD	YCFW	YFDCV	YSL	YSS	YWT	MIP+	FP+	7%
1	15003061	11003542	Poll	-2.3	27.6	0.4	2.5	0.2	2.0	179	168	185
2	15003096	11003542	Poll	-2.0	34.6	0.0	5.9	2.6	2.8	191	177	197
3	15003077	11003542	Scur	-1.8	21.7	-0.7	2.4	3.6	3.2	171	162	174
4	15003266	11003542	Poll	-1.5	26.1	-0.5	5.9	2.2	2.5	171	159	175
5	15003232	11003542	Poll	-2.2	21.1	-0.9	4.4	3.8	3.3	176	168	180
6	15003006	11003542	Poll	-2.0	26.5	-0.3	4.0	3.2	1.9	181	171	184
7	15003100	11003542	Poll	-1.7	25.3	0.0	3.7	3.3	1.1	174	163	177
8	15003155	11003542	Scur	-2.3	18.7	-0.6	1.6	0.4	1.6	165	159	172
9	15003281	11003542	Scur		23.9			1.1	2.0	172	162	177
10	15003039	11003542	Poll	-1.8	21.7	0.2	1.5	-1.8	1.3	160	150	166
11	15003233	11003542	Poll	-2.0	22.0	-0.3	2.9	1.5	2.7	168	159	173
12	15003227	11003542	Poll	-2.6	20.2	-1.1	3.2	4.9	1.1	178	173	182
13	15003161	11003542	Horn	-2.0	23.1	-0.9	5.3	4.0	3.9	177	166	180
14	15003094	11003542	Horn	-1.6	24.5	-0.3	2.4	5.3	2.9	176	165	177
15	15003150	11003542	Horn	-1.8	25.4	-0.6	4.0	4.9	3.9	180	165	182
16	15003062	11003542	Horn	-2.0	20.8	-0.1	1.9	0.9	2.8	167	158	172
17	15003033	11003542	Horn	-1.5	24.3	-0.7	3.1	4.2	3.1	174	162	176
18	15003030	11003542	Horn	-1.6	26.5	-1.3	3.9	7.4	1.6	182	170	183
19	15003183	11003542	Horn	-1.9	29.0	0.5	5.8	-0.9	1.8	174	161	181
20	15003258	11003542	Horn	-1.9	21.7	0.0	2.6	0.8	2.7	167	157	172
21	15003166	11003542	Horn	-2.1	28.4	-0.3	3.4	3.5	2.0	184	172	188
22	15004165	11000043	Scur	-1.9	21.4	-0.3	6.0	-4.9	6.3	153	143	163
HAZ COOMA SALE AVERAGE				-2.0	21.1	-0.4	6.2	-0.9	3.9	163	155	170
Average all Merinos 2015 drop				-1.0	11.2	-0.6	5.8	0.3	3.8	132		/

HAZELDEAN MONARO RAM SALE 2016 - ASBV SUMMARY

Lot	Tag	Sire	Horn/Poll	YFD	YCFW	YFDCV	YSL	YSS	YWT	MIP+	FP+	7%
23	15003936	11000043	Scur	-1.9	15.8	-1.8	5.8	3.0	4.2	158	154	163
24	15003901	11000043	Poll	-2.4	21.1	0.3	5.2	-4.9	5.3	158	149	167
25	15004110	11000043	Scur	-1.6	20.8	-1.3	5.1	-1.1	3.9	153	145	162
26	15004101	11000043	Poll	-1.9	23.1	-0.7	4.9	-2.6	4.8	159	150	168
27	15004127	11000043	Poll	-2.3	21.2	-1.2	5.1	3.8	3.2	171	165	174
28	15003927	11000043	Horn	-1.7	23.5	-0.4	8.9	-1.7	4.2	158	149	165
29	15004105	11000043	Horn	-2.1	18.7	-0.7	4.3	-0.5	3.7	157	151	164
30	15004111	11000043	Horn	-2.0	22.6	0.5	5.2	-6.9	5.9	152	140	162
31	15004133	11000043	Horn	-1.4	23.2	0.0	4.9	-0.3	4.6	159	148	163
32	15004156	11000043	Horn	-2.2	20.2	-0.8	5.4	-1.1	4.9	160	151	166
33	15004181	11000043	Horn	-1.4	24.7	-0.5	8.0	-1.8	5.1	157	146	164
34	15003309	CP907538	Scur	-1.6	14.9	-2.7	8.2	5.4	7.2	163	155	165
35	15003369	CP907538	Poll	-2.5	16.8	-0.3	5.5	-4.8	7.4	158	149	167
36	15003423	CP907538	Poll	-2.0	20.2	-0.1	8.4	-7.0	7.4	154	142	164
37	15003354	CP907538	Scur	-1.3	23.5	-0.9	11.6	-3.1	7.2	157	143	165
38	15003300	CP907538	Poll	-2.4	19.0	-1.1	5.7	-4.1	6.4	164	155	174
39	15003377	CP907538	Poll	-2.2	22.7	0.4	7.9	-7.3	6.6	157	145	168
40	15003321	CP907538	Poll	-2.0	19.9	-1.6	9.2	2.7	7.6	173	163	178
41	15003410	CP907538	Poll	-2.1	20.7	-1.2	9.1	-0.9	6.8	166	156	173
42	15003355	CP907538	Poll	-2.2	21.3	-0.5	8.8	-4.1	6.0	162	151	171
43	15003396	CP907538	Poll	-2.2	20.1	-1.0	5.9	-1.2	6.3	166	157	173
44	15003322	CP907538	Scur	-2.4	15.2	-1.5	7.1	-0.7	6.1	161	155	168
HAZ COOMA SALE AVERAGE				-2.0	21.1	-0.4	6.2	-0.9	3.9	163	155	170
Average all Merinos 2015 drop				-1.0	11.2	-0.6	5.8	0.3	3.8	132		/

HAZELDEAN MONARO RAM SALE 2016 - ASBV SUMMARY

Lot	Tag	Sire	Horn/Pol	YFD	YCFW	YFDCV	YSL	YSS	YWT	MIP+	FP+	7%
45	15003403	CP907538	Poll	-2.1	19.2	-1.3	8.2	3.9	7.5	175	162	175
46	15003406	CP907538	Poll	-1.9	25.9	-1.2	7.3	2.0	8.4	177	162	180
47	15003337	CP907538	Poll	-2.5	18.6	-0.2	7.4	-7.7	6.1	155	146	167
48	15003328	CP907538	Scur	-2.1	19.9	-1.3	7.8	1.9	6.8	168	157	172
49	15003427	CP907538	Scur	-1.4	21.5	-1.0	7.2	0.5	8.2	160	145	164
50	15003306	CP907538	Scur	-2.8	14.7	-0.6	4.2	-4.0	6.6	159	153	168
51	15003399	CP907538	Poll	-1.6	27.1	-0.7	11.7	1.8	6.5	175	162	179
52	15003363	CP907538	Scur	-2.1	21.0	-0.5	5.4	-0.2	6.8	170	156	175
53	15003373	CP907538	Poll	-1.8	20.9	-0.1	5.5	-3.5	5.0	159	148	165
54	15003349	CP907538	Poll	-2.3	18.4	-0.5	6.3	-3.2	4.9	160	152	168
55	15003372	CP907538	Poll	-1.9	17.9	-1.1	8.5	0.0	5.8	161	153	166
56	15003323	CP907538	Poll	-2.2	19.7	-1.6	6.1	2.4	5.7	170	161	174
57	15003380	CP907538	Poll	-2.4	18.9	-0.9	6.8	-1.9	5.2	163	154	170
58	15003659	NR100958	Scur	-1.5	16.3	-1.0	9.1	1.3	6.1	161	153	165
59	15003729	NR100958	Scur	-1.7	17.8	-0.7	6.5	2.3	4.8	169	158	172
60	15003664	NR100958	Poll	-2.7	13.1	0.4	6.4	-6.3	3.0	148	145	159
61	15003678	NR100958	Horn	-1.5	18.8	-0.1	9.1	-2.2	7.2	162	147	165
62	15003622	NR100958	Horn	-2.1	16.8	-0.9	7.6	-0.1	4.8	165	159	172
63	15003733	NR100958	Horn	-1.9	14.8	-0.2	8.0	-4.3	5.1	152	145	161
64	15003675	NR100958	Horn	-1.0	24.2	-0.2	10.7	1.4	5.5	167	153	170
65	15003684	NR100958	Horn	-2.2	12.1	-0.8	4.8	-1.0	4.6	158	153	164
66	15003683	NR100958	Horn	-1.4	18.4	-1.0	9.2	3.1	5.2	166	157	169
HAZ COOMA SALE AVERAGE				-2.0	21.1	-0.4	6.2	-0.9	3.9	163	155	170
Average all Merinos 2015 drop				-1.0	11.2	-0.6	5.8	0.3	3.8	132		/

HAZELDEAN MONARO RAM SALE 2016 - ASBV SUMMARY

Lot	Tag	Sire	Horn/Pol	YFD	YCFW	YFDCV	YSL	YSS	YWT	MIP+	FP+	7%
67	15003720	NR100958	Horn	-1.4	20.5	0.1	9.4	1.3	4.2	166	155	168
68	15003658	NR100958	Horn	-1.9	16.0	-0.1	2.8	0.9	3.2	164	157	167
69	15003861	12004059	Horn	-2.7	16.6	-0.2	3.2	-5.7	2.6	156	153	167
70	15003825	12004059	Horn	-1.4	24.6	-0.7	7.1	-3.0	3.8	160	151	167
71	15003866	12004059	Scur	-2.6	20.3	0.1	0.8	-8.6	3.4	152	146	164
72	15003844	12004059	Horn	-2.2	26.8	0.6	8.4	-6.6	2.8	167	159	178
73	15003884	12004059	Horn	-2.0	26.2	1.3	3.9	-8.5	2.8	159	148	170
74	15003888	12004059	Horn	-2.3	22.1	1.1	3.9	-10.3	3.5	154	146	166
75	15003865	12004059	Horn	-1.7	26.3	0.5	5.4	-6.4	3.0	160	150	169
76	15003815	12004059	Horn	-1.8	30.7	0.7	10.8	-9.9	1.4	156	146	171
77	15003882	12004059	Horn	-3.0	17.2	-0.4	0.4	-7.5	1.5	154	153	168
78	15004041	12004059	Horn	-2.6	23.2	0.1	6.2	-5.9	3.4	165	160	177
79	15003980	12004059	Horn	-1.5	25.5	-0.6	6.8	-1.1	2.2	164	155	170
80	15003828	12004059	Horn	-2.3	29.1	1.6	6.8	-10.2	1.6	162	151	174
81	15005554	NAM010	Horn	-1.9	17.2	-0.5	6.5	0.9	1.9	158	154	162
82	15004214	13000127	Poll	-1.8	21.0	-0.1	10.9	-5.0	5.7	154	143	163
83	15004260	13000127	Poll	-1.4	25.5	-0.4	13.0	-1.5	5.4	162	149	168
84	15004293	13000127	Poll	-2.4	14.6	-1.3	6.5	0.9	4.9	162	157	167
85	15004210	13000127	Poll	-2.2	21.3	-0.3	7.8	-1.6	4.7	161	153	168
86	15004235	13000127	Poll	-1.6	21.6	-0.5	11.3	-3.1	4.1	155	145	163
87	15004264	13000127	Horn	-2.2	24.4	-0.4	13.2	-3.5	4.9	163	153	172
88	15004269	13000127	Horn	-2.4	16.0	-1.7	11.5	0.9	5.9	166	162	173
HAZ COOMA SALE AVERAGE				-2.0	21.1	-0.4	6.2	-0.9	3.9	163	155	170
Average all Merinos 2015 drop				-1.0	11.2	-0.6	5.8	0.3	3.8	132		/

HAZELDEAN MONARO RAM SALE 2016 - ASBV SUMMARY

Lot	Tag	Sire	Horn/Poll	YFD	YCFW	YFDCV	YSL	YSS	YWT	MIP+	FP+	7%
89	15004261	13000127	Horn	-1.9	23.5	-1.1	14.1	0.0	7.0	168	157	174
90	15004246	13000127	Horn	-2.1	23.4	0.9	8.6	-8.2	6.1	154	139	164
91	15004242	13000127	Horn	-2.1	19.7	-1.2	9.3	-2.5	5.1	161	153	171
92	15004256	13000127	Horn	-1.9	19.5	-0.2	8.1	-2.0	4.2	157	149	163
93	15004705	12004689	Poll	-1.2	23.5	0.2	6.9	0.1	2.0	163	151	166
94	15004685	12004689	Poll	-1.9	24.1	-0.7	6.1	1.9	1.5	174	165	179
95	15004609	12004652	Poll	-2.2	14.4	-0.8	1.6	-0.1	0.9	156	153	163
96	15004562	12004652	Poll	-2.4	22.7	-0.2	6.4	-4.9	0.8	162	155	174
97	15004607	12004652	Poll	-2.4	18.7	0.3	3.8	-5.9	1.1	154	148	165
98	15004665	12004652	Scur	-2.3	16.7	-0.9	5.1	0.3	2.1	162	159	169
99	15004564	12004652	Scur	-2.3	16.7	-1.0	5.2	0.9	0.9	160	158	167
100	15004606	12004652	Scur	-2.3	18.0	0.1	6.8	-6.6	1.1	151	145	163
101	15004637	12004652	Scur	-2.6	15.9	0.4	2.0	-3.0	2.3	162	154	170
102	15004616	12004652	Horn	-1.6	20.2	-0.5	7.5	-0.7	1.7	158	151	164
103	15004568	12004652	Horn	-2.3	20.2	0.1	4.2	-4.8	1.9	157	149	166
104	15004561	12004652	Horn	-2.2	16.4	-0.3	4.0	-3.0	2.2	156	149	163
105	15004644	12004652	Horn	-2.4	21.3	-0.2	4.9	-2.7	0.5	165	157	174
106	15004460	12004030	Poll	-1.6	22.5	-0.3	7.9	-0.8	3.7	158	151	165
107	15004452	12004030	Scur	-1.2	23.0	0.3	6.6	0.6	2.7	161	152	164
108	15004459	12004030	Horn	-1.6	24.2	0.5	6.4	4.3	3.5	175	167	176
109	15004454	12004030	Horn	-2.4	20.7	0.0	9.2	-0.4	2.5	165	162	173
110	15004461	12004030	Horn	-1.5	22.0	-1.2	6.9	10.5	3.6	182	175	179
HAZ COOMA SALE AVERAGE				-2.0	21.1	-0.4	6.2	-0.9	3.9	163	155	170
Average all Merinos 2015 drop				-1.0	11.2	-0.6	5.8	0.3	3.8	132		/

HAZELDEAN MONARO RAM SALE 2016 - ASBV SUMMARY

Lot	Tag	Sire	Horn/Pol	YFD	YCFW	YFDCV	YSL	YSS	YWT	MIP+	FP+	7%
111	15004472	12004030	Horn	-0.9	22.3	-0.7	7.9	5.1	3.6	166	158	166
112	15004499	12004030	Horn	-1.7	23.5	-0.6	9.2	3.5	1.9	173	166	177
113	15004503	12004030	Horn	-1.7	21.9	-1.1	10.1	4.7	2.7	171	167	175
114	15004457	12004030	Horn	-0.9	24.0	-0.8	10.8	7.1	2.0	170	163	169
115	15004458	12004030	Horn	-2.1	21.9	0.7	7.0	-2.9	1.7	162	155	169
116	15004463	12004030	Horn	-2.0	25.8	0.8	8.5	-0.6	1.0	167	161	173
117	15004482	12004030	Horn	-1.5	23.8	0.3	7.5	-1.3	2.1	160	153	167
118	15004476	12004030	Horn	-2.4	18.2	-0.1	8.1	-0.7	1.5	162	160	170
119	15005337	11004632	Horn	-2.3	19.0	0.0	1.0	-3.9	1.3	159	155	168
120	15005133	11004613	Horn	-2.6	17.1	-1.3	0.5	0.1	3.2	162	158	171
121	15005136	11004613	Horn	-1.9	22.7	0.3	3.6	-2.4	1.0	159	151	167
122	15005184	11004613	Horn	-2.8	13.4	-1.2	2.5	0.1	3.4	160	157	169
123	15005218	11004613	Horn	-2.5	19.6	0.2	3.7	-3.5	0.3	159	154	169
124	15005164	11004613	Horn	-2.3	20.9	0.0	0.9	-1.1	1.9	164	155	171
125	15005194	11004613	Horn	-2.1	19.0	-0.5	5.4	-3.5	0.7	153	148	163
126	15005160	11004613	Horn	-2.1	24.4	0.0	5.9	-3.0	2.0	162	155	172
127	15005215	11004613	Horn	-2.8	14.1	-0.2	-1.8	-2.4	-0.7	155	154	163
128	15005036	11004242	Poll	-1.9	17.4	-1.1	9.5	1.6	4.5	159	153	163
129	15005042	11004242	Horn	-1.7	15.5	-1.7	7.9	4.9	2.9	159	155	161
130	15005110	11004242	Horn	-1.5	22.5	-0.9	8.9	2.5	3.0	162	154	165
131	15005034	11004242	Horn	-0.2	28.9	-1.0	10.2	10.0	1.6	173	157	167
132	15005105	11004242	Horn	-2.1	23.6	-0.5	8.7	0.5	1.6	167	161	173
HAZ COOMA SALE AVERAGE				-2.0	21.1	-0.4	6.2	-0.9	3.9	163	155	170
Average all Merinos 2015 drop				-1.0	11.2	-0.6	5.8	0.3	3.8	132		/

HAZELDEAN MONARO RAM SALE 2016 - ASBV SUMMARY

Lot	Tag	Sire	Horn/Pol	YFD	YCFW	YFDCV	YSL	YSS	YWT	MIP+	FP+	7%
133	15004923	11003955	Scur	-2.4	18.0	0.2	7.4	-7.1	1.9	151	146	164
134	15004911	11003955	Horn	-2.0	22.6	-0.4	9.2	-1.9	2.7	161	153	171
135	15004947	11003955	Horn	-2.7	21.2	-0.2	4.5	0.5	1.3	172	168	180
136	15004325	11003661	Poll	-1.8	24.9	0.5	7.4	-3.5	3.6	161	147	168
137	15004392	11003661	Poll	-1.6	25.6	0.6	6.2	-3.2	4.2	164	146	170
138	15004414	11003661	Horn	-1.5	23.4	-0.2	6.1	-0.1	2.7	163	151	168
139	15004401	11003661	Horn	-1.9	21.4	0.5	4.4	-4.0	1.2	154	145	162
140	15004854	10005106	Poll	-2.0	17.1	-0.6	0.3	-1.3	2.4	156	151	161
141	15004845	10005106	Horn	-2.5	12.4	-1.2	2.2	-0.5	3.0	157	157	164
142	15004873	10005106	Horn	-1.3	18.4	-1.3	5.5	3.2	3.5	160	156	162
143	15004839	10005106	Horn	-1.7	19.3	-1.1	5.4	3.1	2.9	165	162	168
HAZ COOMA SALE AVERAGE				-2.0	21.1	-0.4	6.2	-0.9	3.9	163	155	170
Average all Merinos 2015 drop				-1.0	11.2	-0.6	5.8	0.3	3.8	132		/



TOP 10% or better of the Merino Breed



TOP 20% or better of the Merino Breed



HAZELDEAN
LITCHFIELD

Lot: 1 **Property: Cooma** **Tag No: 15003061**
Shorn: May-16 **Horn: Polled** **Sire: 11003542**

Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.253	27.604	0.446	2.023	179.47	185.11
Acc - 68	Acc - 63	Acc - 61	Acc - 63		

Wool Test Results - 25 May 2016		
Micron	GFW	CV
17.11	6.4	19.3

Buyer _____ \$ _____

Lot: 2 **Property: Cooma** **Tag No: 15003096**
Shorn: May-16 **Horn: Polled** **Sire: 11003542**

Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.039	34.612	0.008	2.816	191.24	196.58
Acc - 73	Acc - 68	Acc - 68	Acc - 69		

Wool Test Results - 25 May 2016		
Micron	GFW	CV
17.87	6.5	16.2

Buyer _____ \$ _____

Lot: 3 **Property: Cooma** **Tag No: 15003077**
Shorn: May-16 **Horn: Scurred** **Sire: 11003542**

Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.832	21.708	-0.695	3.226	171.25	174.48
Acc - 68	Acc - 63	Acc - 62	Acc - 63		

Wool Test Results - 25 May 2016		
Micron	GFW	CV
18.24	4.5	16.48

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 4 Property: Cooma Tag No: 15003266
Shorn: May-16 Horn: Polled Sire: 11003542

Australian Sheep Breeding Values - 21 September 2016					
yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-1.467	26.125	-0.467	2.45	170.74	175.34
Acc - 68	Acc - 63	Acc - 62	Acc - 63		

Wool Test Results - 25 May 2016		
Micron	GFW	CV
18.97	5.4	16.32

Buyer _____ \$ _____

Lot: 5 Property: Cooma Tag No: 15003232
Shorn: May-16 Horn: Polled Sire: 11003542

Australian Sheep Breeding Values - 21 September 2016					
yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-2.223	21.083	-0.945	3.25	176.18	180.21
Acc - 73	Acc - 68	Acc - 67	Acc - 69		

Wool Test Results - 25 May 2016		
Micron	GFW	CV
16.93	4.4	17.16

Buyer _____ \$ _____

Lot: 6 Property: Cooma Tag No: 15003006
Shorn: May-16 Horn: Polled Sire: 11003542

Australian Sheep Breeding Values - 21 September 2016					
yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-2.042	26.486	-0.293	1.865	180.76	184.1
Acc - 73	Acc - 68	Acc - 68	Acc - 69		

Wool Test Results - 25 May 2016		
Micron	GFW	CV
17.54	5.4	18.29

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 7		Property: Cooma		Tag No: 15003100	
Shorn: May-16		Horn: Polled		Sire: 11003542	
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.717	25.337	0.023	1.139	174.15	176.59
Acc - 68	Acc - 63	Acc - 62	Acc - 63		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
18.2		4.9		20.33	

Buyer _____ \$ _____

Lot: 8		Property: Cooma		Tag No: 15003155	
Shorn: May-16		Horn: Scurred		Sire: 11003542	
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.312	18.708	-0.611	1.633	164.92	172.18
Acc - 68	Acc - 63	Acc - 62	Acc - 63		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
17.06		4		14.62	

Buyer _____ \$ _____

Lot: 9		Property: Cooma		Tag No: 15003281	
Shorn: May-16		Horn: Scurred		Sire: 11003542	
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
	23.893		1.968	171.72	176.6
Acc - 0	Acc - 48	Acc - 0	Acc - 48		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
17.53		3.9		18.29	

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 10	Property: Cooma	Tag No: 15003039			
Shorn: May-16	Horn: Polled	Sire: 11003542			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.809	21.698	0.231	1.274	159.59	166.49
Acc - 68	Acc - 63	Acc - 62	Acc - 63		
Wool Test Results - 25 May 2016					
Micron	GFW		CV		
18.41	4.2		17.93		

Buyer _____

\$ _____

Lot: 11	Property: Cooma	Tag No: 15003233			
Shorn: May-16	Horn: Polled	Sire: 11003542			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.976	22.031	-0.326	2.698	168.02	173.12
Acc - 72	Acc - 68	Acc - 67	Acc - 67		
Wool Test Results - 25 May 2016					
Micron	GFW		CV		
17.13	3.7		16.96		

Buyer _____

\$ _____

Lot: 12	Property: Cooma	Tag No: 15003227			
Shorn: May-16	Horn: Polled	Sire: 11003542			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.563	20.17	-1.139	1.098	178.37	182.3
Acc - 73	Acc - 68	Acc - 67	Acc - 68		
Wool Test Results - 25 May 2016					
Micron	GFW		CV		
16.07	4.3		15.53		

Buyer _____

\$ _____



HAZELDEAN
LITCHFIELD

Lot: 13	Property: Cooma	Tag No: 15003161			
Shorn: May-16	Horn: Horned	Sire: 11003542			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.975	23.1	-0.88	3.852	176.7	179.94
Acc - 73	Acc - 68	Acc - 68	Acc - 69		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
17.29		5.1		19.08	

Buyer _____ \$ _____

Lot: 14	Property: Cooma	Tag No: 15003094			
Shorn: May-16	Horn: Horned	Sire: 11003542			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.585	24.533	-0.349	2.875	176.41	176.85
Acc - 68	Acc - 63	Acc - 62	Acc - 63		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
18.39		5		19.57	

Buyer _____ \$ _____

Lot: 15	Property: Cooma	Tag No: 15003150			
Shorn: May-16	Horn: Horned	Sire: 11003542			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.781	25.402	-0.601	3.859	179.84	181.96
Acc - 73	Acc - 68	Acc - 68	Acc - 67		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
18.48		5.7		17.3	

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 16	Property: Cooma	Tag No: 15003062			
Shorn: May-16	Horn: Horned	Sire: 11003542			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.019	20.815	-0.081	2.832	167.17	171.9
Acc - 68	Acc - 63	Acc - 62	Acc - 63		
Wool Test Results - 25 May 2016					
Micron	GFW		CV		
17.66	4.3		19.21		

Buyer _____

\$ _____

Lot: 17	Property: Cooma	Tag No: 15003033			
Shorn: May-16	Horn: Horned	Sire: 11003542			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.527	24.259	-0.722	3.081	173.5	175.52
Acc - 72	Acc - 68	Acc - 67	Acc - 69		
Wool Test Results - 25 May 2016					
Micron	GFW		CV		
19.77	4.9		18.69		

Buyer _____

\$ _____

Lot: 18	Property: Cooma	Tag No: 15003030			
Shorn: May-16	Horn: Horned	Sire: 11003542			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.575	26.504	-1.289	1.562	181.59	182.66
Acc - 72	Acc - 68	Acc - 67	Acc - 69		
Wool Test Results - 25 May 2016					
Micron	GFW		CV		
18.84	5.1		17.55		

Buyer _____

\$ _____



HAZELDEAN
LITCHFIELD

Lot: 19 Property: Cooma Tag No: 15003183
Shorn: May-16 Horn: Horned Sire: 11003542

Australian Sheep Breeding Values - 21 September 2016

yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-1.937	28.969	0.505	1.838	174.41	181.24
Acc - 68	Acc - 63	Acc - 62	Acc - 63		

Wool Test Results - 25 May 2016

Micron	GFW	CV
17.88	5.8	18.99

Buyer _____

\$ _____

Lot: 20 Property: Cooma Tag No: 15003258
Shorn: May-16 Horn: Horned Sire: 11003542

Australian Sheep Breeding Values - 21 September 2016

yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-1.947	21.724	0.041	2.744	167.04	171.51
Acc - 69	Acc - 64	Acc - 63	Acc - 64		

Wool Test Results - 25 May 2016

Micron	GFW	CV
17.9	4.2	20.11

Buyer _____

\$ _____

Lot: 21 Property: Cooma Tag No: 15003166
Shorn: May-16 Horn: Horned Sire: 11003542

Australian Sheep Breeding Values - 21 September 2016

yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-2.148	28.434	-0.264	1.953	184.3	188.12
Acc - 73	Acc - 68	Acc - 68	Acc - 69		

Wool Test Results - 25 May 2016

Micron	GFW	CV
18.58	5.3	18.82

Buyer _____

\$ _____



HAZELDEAN
LITCHFIELD

Lot: 21	Property: Cooma	Tag No: 15003166			
Shorn: May-16	Horn: Horned	Sire: 11003542			
Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.148	28.434	-0.264	1.953	184.3	188.12
Acc - 73	Acc - 68	Acc - 68	Acc - 69		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
18.58	5.3	18.82			

Buyer _____

\$ _____

Lot: 22	Property: Cooma	Tag No: 15004165			
Shorn: May-16	Horn: Scurred	Sire: 11000043			
Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.85	21.427	-0.291	6.344	153.18	162.94
Acc - 68	Acc - 63	Acc - 62	Acc - 64		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
18.31	4.9	17.49			

Buyer _____

\$ _____

Lot: 23	Property: Cooma	Tag No: 15003936			
Shorn: May-16	Horn: Scurred	Sire: 11000043			
Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.898	15.84	-1.781	4.242	157.96	162.76
Acc - 68	Acc - 63	Acc - 62	Acc - 63		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
17.32	4.6	15.61			

Buyer _____

\$ _____



HAZELDEAN
LITCHFIELD

Lot: 24	Property: Cooma	Tag No: 15003901			
Shorn: May-16	Horn: Polled	Sire: 11000043			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.351	21.135	0.268	5.301	157.94	167.26
Acc - 68	Acc - 63	Acc - 61	Acc - 63		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
16.88		5		20.71	

Buyer _____ \$ _____

Lot: 25	Property: Cooma	Tag No: 15004110			
Shorn: May-16	Horn: Scurred	Sire: 11000043			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.616	20.819	-1.269	3.887	153.16	161.58
Acc - 72	Acc - 66	Acc - 66	Acc - 68		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
19.19		4.9		14.58	

Buyer _____ \$ _____

Lot: 26	Property: Cooma	Tag No: 15004101			
Shorn: May-16	Horn: Polled	Sire: 11000043			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.909	23.096	-0.697	4.81	158.8	168.22
Acc - 72	Acc - 67	Acc - 67	Acc - 66		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
18.54		4		15.14	

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 27	Property: Cooma	Tag No: 15004127			
Shorn: May-16	Horn: Polled	Sire: 11000043			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.325	21.207	-1.174	3.164	170.78	174.29
Acc - 72	Acc - 66	Acc - 66	Acc - 65		
Wool Test Results - 25 May 2016					
Micron	GFW		CV		
17.02	5.6		17.06		

Buyer _____ \$ _____

Lot: 28	Property: Cooma	Tag No: 15003927			
Shorn: May-16	Horn: Horned	Sire: 11000043			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.659	23.488	-0.386	4.164	157.68	165.17
Acc - 72	Acc - 67	Acc - 67	Acc - 67		
Wool Test Results - 25 May 2016					
Micron	GFW		CV		
18	4.9		20		

Buyer _____ \$ _____

Lot: 29	Property: Cooma	Tag No: 15004105			
Shorn: May-16	Horn: Horned	Sire: 11000043			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.092	18.697	-0.654	3.668	157.35	163.77
Acc - 68	Acc - 63	Acc - 62	Acc - 63		
Wool Test Results - 25 May 2016					
Micron	GFW		CV		
17.38	4.5		18.39		

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 30	Property: Cooma	Tag No: 15004111			
Shorn: May-16	Horn: Horned	Sire: 11000043			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.955	22.631	0.546	5.913	151.96	162.49
Acc - 71	Acc - 65	Acc - 65	Acc - 67		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
17.93		4.2		20.11	

Buyer _____

\$ _____

Lot: 31	Property: Cooma	Tag No: 15004133			
Shorn: May-16	Horn: Horned	Sire: 11000043			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.445	23.216	0.041	4.639	158.73	162.68
Acc - 69	Acc - 64	Acc - 64	Acc - 64		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
18.73		4.6		19.79	

Buyer _____

\$ _____

Lot: 32	Property: Cooma	Tag No: 15004156			
Shorn: May-16	Horn: Horned	Sire: 11000043			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.154	20.212	-0.8	4.922	160.15	166.39
Acc - 72	Acc - 67	Acc - 67	Acc - 68		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
17.93		4.7		17.88	

Buyer _____

\$ _____



HAZELDEAN
LITCHFIELD

Lot: 33	Property: Cooma	Tag No: 15004181			
Shorn: May-16	Horn: Horned	Sire: 11000043			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.389	24.701	-0.483	5.065	157.32	164.32
Acc - 68	Acc - 63	Acc - 62	Acc - 63		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
19.15	5.4	17.8			

Buyer _____

\$ _____

Lot: 34	Property: Cooma	Tag No: 15003309			
Shorn: May-16	Horn: Scurred	Sire: CP907538			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.598	14.895	-2.651	7.217	162.55	164.62
Acc - 73	Acc - 68	Acc - 68	Acc - 69		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
17.81	4.1	14.04			

Buyer _____

\$ _____

Lot: 35	Property: Cooma	Tag No: 15003369			
Shorn: May-16	Horn: Polled	Sire: CP907538			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.5	16.798	-0.287	7.388	158.37	167.04
Acc - 68	Acc - 64	Acc - 63	Acc - 64		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
16.27	4.7	19.02			

Buyer _____

\$ _____



HAZELDEAN
LITCHFIELD

Lot: 36 **Property: Cooma** **Tag No: 15003423**
Shorn: May-16 **Horn: Polled** **Sire: CP907538**

Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.036	20.197	-0.111	7.423	153.87	164.36
Acc - 70	Acc - 65	Acc - 64	Acc - 64		

Wool Test Results - 25 May 2016		
Micron	GFW	CV
17.53	4.4	17.71

Buyer _____ \$ _____

Lot: 37 **Property: Cooma** **Tag No: 15003354**
Shorn: May-16 **Horn: Scurred** **Sire: CP907538**

Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.34	23.486	-0.944	7.159	157.14	165.23
Acc - 72	Acc - 68	Acc - 67	Acc - 69		

Wool Test Results - 25 May 2016		
Micron	GFW	CV
19.1	5.7	16.23

Buyer _____ \$ _____

Lot: 38 **Property: Cooma** **Tag No: 15003300**
Shorn: May-16 **Horn: Polled** **Sire: CP907538**

Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.44	18.964	-1.059	6.436	163.57	173.67
Acc - 72	Acc - 67	Acc - 67	Acc - 66		

Wool Test Results - 25 May 2016		
Micron	GFW	CV
17.09	4.3	15.79

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 39	Property: Cooma	Tag No: 15003377			
Shorn: May-16	Horn: Polled	Sire: CP907538			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.204	22.659	0.397	6.552	156.89	167.73
Acc - 73	Acc - 68	Acc - 68	Acc - 69		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
16.77		4.9		17.26	

Buyer _____

\$ _____

Lot: 40	Property: Cooma	Tag No: 15003321			
Shorn: May-16	Horn: Polled	Sire: CP907538			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.039	19.93	-1.633	7.619	172.69	177.52
Acc - 72	Acc - 68	Acc - 68	Acc - 69		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
17.89		4.7		16.76	

Buyer _____

\$ _____

Lot: 41	Property: Cooma	Tag No: 15003410			
Shorn: May-16	Horn: Polled	Sire: CP907538			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.111	20.746	-1.194	6.75	165.85	173.09
Acc - 73	Acc - 68	Acc - 68	Acc - 67		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
18.11		4.3		15.47	

Buyer _____

\$ _____



HAZELDEAN
LITCHFIELD

Lot: 42	Property: Cooma	Tag No: 15003355			
Shorn: May-16	Horn: Polled	Sire: CP907538			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.22	21.264	-0.462	5.969	161.96	170.79
Acc - 73	Acc - 68	Acc - 68	Acc - 66		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
17.42		5.4		18.39	

Buyer _____ \$ _____

Lot: 43	Property: Cooma	Tag No: 15003396			
Shorn: May-16	Horn: Polled	Sire: CP907538			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.233	20.139	-0.973	6.342	166.34	173.28
Acc - 72	Acc - 68	Acc - 67	Acc - 66		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
17.29		4.6		15.03	

Buyer _____ \$ _____

Lot: 44	Property: Cooma	Tag No: 15003322			
Shorn: May-16	Horn: Scurred	Sire: CP907538			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.424	15.166	-1.46	6.131	160.94	168.49
Acc - 68	Acc - 64	Acc - 63	Acc - 64		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
16.2		4.1		14.2	

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 45		Property: Cooma		Tag No: 15003403	
Shorn: May-16		Horn: Polled		Sire: CP907538	
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.092	19.176	-1.284	7.504	174.84	175.29
Acc - 75	Acc - 71	Acc - 71	Acc - 71		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
17.69		5		17.51	

Buyer _____ \$ _____

Lot: 46		Property: Cooma		Tag No: 15003406	
Shorn: May-16		Horn: Polled		Sire: CP907538	
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.858	25.882	-1.218	8.435	176.58	180.09
Acc - 72	Acc - 67	Acc - 67	Acc - 68		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
18.17		4.4		20.88	

Buyer _____ \$ _____

Lot: 47		Property: Cooma		Tag No: 15003337	
Shorn: May-16		Horn: Polled		Sire: CP907538	
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.505	18.583	-0.156	6.079	154.92	166.8
Acc - 69	Acc - 64	Acc - 64	Acc - 64		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
16.32		4.6		17.18	

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 48	Property: Cooma	Tag No: 15003328			
Shorn: May-16	Horn: Scurred	Sire: CP907538			
Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.124	19.933	-1.327	6.842	167.94	172.13
Acc - 73	Acc - 68	Acc - 68	Acc - 69		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
16.83		4.5		17.26	

Buyer _____ \$ _____

Lot: 49	Property: Cooma	Tag No: 15003427			
Shorn: May-16	Horn: Scurred	Sire: CP907538			
Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.401	21.497	-1.049	8.18	159.84	164.05
Acc - 72	Acc - 67	Acc - 67	Acc - 69		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
18.6		4.4		18.28	

Buyer _____ \$ _____

Lot: 50	Property: Cooma	Tag No: 15003306			
Shorn: May-16	Horn: Scurred	Sire: CP907538			
Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.792	14.717	-0.637	6.635	158.67	168.04
Acc - 73	Acc - 68	Acc - 68	Acc - 69		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
16.23		3.6		15.43	

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 51	Property: Cooma	Tag No: 15003399			
Shorn: May-16	Horn: Polled	Sire: CP907538			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.559	27.073	-0.746	6.545	174.83	178.83
Acc - 72	Acc - 68	Acc - 68	Acc - 69		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
18.94		4.8		20.11	

Buyer _____ \$ _____

Lot: 52	Property: Cooma	Tag No: 15003363			
Shorn: May-16	Horn: Scurred	Sire: CP907538			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.059	21.031	-0.474	6.821	169.84	174.85
Acc - 72	Acc - 68	Acc - 68	Acc - 69		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
18.46		4.2		18.92	

Buyer _____ \$ _____

Lot: 53	Property: Cooma	Tag No: 15003373			
Shorn: May-16	Horn: Polled	Sire: CP907538			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.848	20.944	-0.083	4.973	158.76	165.45
Acc - 68	Acc - 64	Acc - 63	Acc - 64		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
18.05		4.7		19.44	

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 54 Property: Cooma Tag No: 15003349
Shorn: May-16 Horn: Polled Sire: CP907538

Australian Sheep Breeding Values - 21 September 2016					
yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-2.273	18.385	-0.512	4.876	159.97	168.05
Acc - 68	Acc - 64	Acc - 63	Acc - 64		

Wool Test Results - 25 May 2016		
Micron	GFW	CV
16.82	4	17.86

Buyer _____ \$ _____

Lot: 55 Property: Cooma Tag No: 15003372
Shorn: May-16 Horn: Polled Sire: CP907538

Australian Sheep Breeding Values - 21 September 2016					
yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-1.863	17.945	-1.07	5.76	161	166.36
Acc - 68	Acc - 64	Acc - 63	Acc - 64		

Wool Test Results - 25 May 2016		
Micron	GFW	CV
17.66	3.4	18.08

Buyer _____ \$ _____

Lot: 56 Property: Cooma Tag No: 15003323
Shorn: May-16 Horn: Polled Sire: CP907538

Australian Sheep Breeding Values - 21 September 2016					
yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-2.187	19.652	-1.565	5.734	169.89	173.86
Acc - 73	Acc - 68	Acc - 68	Acc - 69		

Wool Test Results - 25 May 2016		
Micron	GFW	CV
17.65	4.3	16.48

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 57	Property: Cooma	Tag No: 15003380			
Shorn: May-16	Horn: Polled	Sire: CP907538			
Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.446	18.929	-0.904	5.164	163	170.37
Acc - 73	Acc - 68	Acc - 68	Acc - 69		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
16.67		4		18.56	

Buyer _____

\$ _____

Lot: 58	Property: Cooma	Tag No: 15003659			
Shorn: May-16	Horn: Scurred	Sire: NR100958			
Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.48	16.284	-1.021	6.117	161.05	164.88
Acc - 68	Acc - 64	Acc - 63	Acc - 63		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
17.97		5.3		16.11	

Buyer _____

\$ _____

Lot: 59	Property: Cooma	Tag No: 15003729			
Shorn: May-16	Horn: Scurred	Sire: NR100958			
Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.72	17.791	-0.658	4.821	168.95	172.39
Acc - 72	Acc - 68	Acc - 68	Acc - 66		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
18.28		4.7		15.85	

Buyer _____

\$ _____



HAZELDEAN
LITCHFIELD

Lot: 60		Property: Cooma		Tag No: 15003664	
Shorn: May-16		Horn: Polled		Sire: NR100958	
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.723	13.086	0.358	3.039	147.75	158.93
Acc - 73	Acc - 68	Acc - 68	Acc - 69		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
16.08		4.3		20.5	

Buyer _____

\$ _____

Lot: 61		Property: Cooma		Tag No: 15003678	
Shorn: May-16		Horn: Horned		Sire: NR100958	
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.524	18.829	-0.075	7.177	161.65	165.29
Acc - 73	Acc - 68	Acc - 68	Acc - 69		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
18.53		5.1		19.46	

Buyer _____

\$ _____

Lot: 62		Property: Cooma		Tag No: 15003622	
Shorn: May-16		Horn: Horned		Sire: NR100958	
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.076	16.811	-0.892	4.848	165.25	171.69
Acc - 68	Acc - 63	Acc - 63	Acc - 63		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
16.96		5.3		14.12	

Buyer _____

\$ _____



HAZELDEAN
LITCHFIELD

Lot: 63		Property: Cooma		Tag No: 15003733	
Shorn: May-16		Horn: Horned		Sire: NR100958	
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.856	14.753	-0.225	5.117	152.08	160.53
Acc - 68	Acc - 63	Acc - 63	Acc - 63		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
17.5		4.4		17.14	

Buyer _____ \$ _____

Lot: 64		Property: Cooma		Tag No: 15003675	
Shorn: May-16		Horn: Horned		Sire: NR100958	
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.046	24.215	-0.2	5.528	167.33	170.2
Acc - 73	Acc - 68	Acc - 68	Acc - 66		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
19.01		5.7		18.95	

Buyer _____ \$ _____

Lot: 65		Property: Cooma		Tag No: 15003684	
Shorn: May-16		Horn: Horned		Sire: NR100958	
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.167	12.086	-0.762	4.638	157.55	163.84
Acc - 68	Acc - 63	Acc - 63	Acc - 63		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
16.73		4.3		15.57	

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 66 Property: Cooma Tag No: 15003683
Shorn: May-16 Horn: Horned Sire: NR100958

Australian Sheep Breeding Values - 21 September 2016

yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-1.381	18.444	-0.967	5.223	166.17	169.24
Acc - 73	Acc - 69	Acc - 69	Acc - 70		

Wool Test Results - 25 May 2016

Micron	GFW	CV
19.13	5.1	16.23

Buyer _____

\$ _____

Lot: 67 Property: Cooma Tag No: 15003720
Shorn: May-16 Horn: Horned Sire: NR100958

Australian Sheep Breeding Values - 21 September 2016

yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-1.414	20.524	0.123	4.157	165.54	167.77
Acc - 72	Acc - 68	Acc - 67	Acc - 69		

Wool Test Results - 25 May 2016

Micron	GFW	CV
18.84	5	21.28

Buyer _____

\$ _____

Lot: 68 Property: Cooma Tag No: 15003658
Shorn: May-16 Horn: Horned Sire: NR100958

Australian Sheep Breeding Values - 21 September 2016

yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-1.932	15.996	-0.064	3.242	164.37	166.99
Acc - 70	Acc - 65	Acc - 65	Acc - 65		

Wool Test Results - 25 May 2016

Micron	GFW	CV
17	4.4	18.82

Buyer _____

\$ _____



HAZELDEAN
LITCHFIELD

Lot: 69	Property: Cooma	Tag No: 15003861			
Shorn: May-16	Horn: Horned	Sire: 12004059			
Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.743	16.604	-0.24	2.588	156.06	167.15
Acc - 72	Acc - 67	Acc - 66	Acc - 65		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
16.61	5.4	18.07			

Buyer _____ \$ _____

Lot: 70	Property: Cooma	Tag No: 15003825			
Shorn: May-16	Horn: Horned	Sire: 12004059			
Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.391	24.579	-0.677	3.779	159.91	167.29
Acc - 72	Acc - 67	Acc - 66	Acc - 67		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
18.75	5.1	17.65			

Buyer _____ \$ _____

Lot: 71	Property: Cooma	Tag No: 15003866			
Shorn: May-16	Horn: Scurred	Sire: 12004059			
Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.615	20.323	0.129	3.426	151.79	164.2
Acc - 73	Acc - 68	Acc - 67	Acc - 68		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
16.35	4.7	19.63			

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 72	Property: Cooma	Tag No: 15003844			
Shorn: May-16	Horn: Horned	Sire: 12004059			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.24	26.794	0.56	2.819	167.44	177.76
Acc - 71	Acc - 66	Acc - 66	Acc - 65		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
17.09	4.7	20.47			

Buyer _____ \$ _____

Lot: 73	Property: Cooma	Tag No: 15003884			
Shorn: May-16	Horn: Horned	Sire: 12004059			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.032	26.2	1.348	2.789	159.14	169.83
Acc - 72	Acc - 66	Acc - 66	Acc - 65		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
18.24	6.5	21.98			

Buyer _____ \$ _____

Lot: 74	Property: Cooma	Tag No: 15003888			
Shorn: May-16	Horn: Horned	Sire: 12004059			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.302	22.055	1.085	3.497	153.8	166.3
Acc - 71	Acc - 66	Acc - 65	Acc - 68		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
17.15	4.4	20.47			

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 75	Property: Cooma	Tag No: 15003865			
Shorn: May-16	Horn: Horned	Sire: 12004059			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.685	26.304	0.488	3.015	160.29	169.11
Acc - 72	Acc - 67	Acc - 67	Acc - 68		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
18.2		4.7		21.43	

Buyer _____

\$ _____

Lot: 76	Property: Cooma	Tag No: 15003815			
Shorn: May-16	Horn: Horned	Sire: 12004059			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.828	30.652	0.69	1.398	155.54	170.76
Acc - 72	Acc - 67	Acc - 66	Acc - 68		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
18.5		5.7		18.38	

Buyer _____

\$ _____

Lot: 77	Property: Cooma	Tag No: 15003882			
Shorn: May-16	Horn: Horned	Sire: 12004059			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-3.035	17.246	-0.444	1.498	154.39	167.58
Acc - 72	Acc - 67	Acc - 66	Acc - 68		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
16.35		4.7		16.56	

Buyer _____

\$ _____



HAZELDEAN
LITCHFIELD

Lot: 78	Property: Cooma	Tag No: 15004041			
Shorn: May-16	Horn: Horned	Sire: 12004059			
Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.576	23.205	0.059	3.351	165.14	176.73
Acc - 72	Acc - 67	Acc - 66	Acc - 66		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
16.94		4.5		17.75	

Buyer _____ \$ _____

Lot: 79	Property: Cooma	Tag No: 15003980			
Shorn: May-16	Horn: Horned	Sire: 12004059			
Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.475	25.542	-0.575	2.194	164.35	170.01
Acc - 72	Acc - 66	Acc - 66	Acc - 65		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
19.11		5.5		17.8	

Buyer _____ \$ _____

Lot: 80	Property: Cooma	Tag No: 15003828			
Shorn: May-16	Horn: Horned	Sire: 12004059			
Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.272	29.077	1.638	1.601	161.98	173.68
Acc - 72	Acc - 67	Acc - 67	Acc - 68		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
17.92		5.6		24.02	

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 81		Property: Cooma		Tag No: 15005554	
Shorn: May-16		Horn: Horned		Sire: NAM010	
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.873	17.163	-0.467	1.893	157.63	162.11
Acc - 64	Acc - 56	Acc - 55	Acc - 54		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
17.17		4.5		19.77	

Buyer _____

\$ _____

Lot: 82		Property: Cooma		Tag No: 15004214	
Shorn: May-16		Horn: Polled		Sire: 13000127	
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.819	20.99	-0.105	5.693	153.96	162.82
Acc - 63	Acc - 56	Acc - 55	Acc - 59		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
18.01		5.1		18.33	

Buyer _____

\$ _____

Lot: 83		Property: Cooma		Tag No: 15004260	
Shorn: May-16		Horn: Polled		Sire: 13000127	
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.373	25.459	-0.37	5.385	162.13	168.13
Acc - 63	Acc - 56	Acc - 55	Acc - 59		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
19.13		5.7		17.8	

Buyer _____

\$ _____



HAZELDEAN
LITCHFIELD

Lot: 84	Property: Cooma	Tag No: 15004293			
Shorn: May-16	Horn: Polled	Sire: 13000127			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.447	14.628	-1.325	4.927	161.81	167.44
Acc - 63	Acc - 56	Acc - 55	Acc - 59		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
16.39		4.7		15.24	

Buyer _____

\$ _____

Lot: 85	Property: Cooma	Tag No: 15004210			
Shorn: May-16	Horn: Polled	Sire: 13000127			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.186	21.257	-0.337	4.676	161.31	167.99
Acc - 68	Acc - 61	Acc - 61	Acc - 62		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
18.97		5		17.37	

Buyer _____

\$ _____

Lot: 86	Property: Cooma	Tag No: 15004235			
Shorn: May-16	Horn: Polled	Sire: 13000127			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.633	21.579	-0.465	4.098	155.38	163.24
Acc - 63	Acc - 56	Acc - 55	Acc - 59		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
18.37		4.6		16.85	

Buyer _____

\$ _____



HAZELDEAN
LITCHFIELD

Lot: 87	Property: Cooma	Tag No: 15004264			
Shorn: May-16	Horn: Horned	Sire: 13000127			
Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.155	24.379	-0.442	4.894	162.81	172.22
Acc - 68	Acc - 61	Acc - 61	Acc - 62		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
17.67		5		18.08	

Buyer _____ \$ _____

Lot: 88	Property: Cooma	Tag No: 15004269			
Shorn: May-16	Horn: Horned	Sire: 13000127			
Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.391	16.041	-1.677	5.916	165.72	172.98
Acc - 68	Acc - 61	Acc - 61	Acc - 62		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
16.61		3.5		16.27	

Buyer _____ \$ _____

Lot: 89	Property: Cooma	Tag No: 15004261			
Shorn: May-16	Horn: Horned	Sire: 13000127			
Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.891	23.479	-1.136	6.973	167.51	174.49
Acc - 69	Acc - 61	Acc - 61	Acc - 63		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
17.83		4.6		17.42	

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 90	Property: Cooma			Tag No: 15004246	
Shorn: May-16	Horn: Horned			Sire: 13000127	
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.065	23.447	0.949	6.096	153.76	164.07
Acc - 68	Acc - 61	Acc - 61	Acc - 62		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
17.27		5.2		20.81	

Buyer _____

\$ _____

Lot: 91	Property: Cooma			Tag No: 15004242	
Shorn: May-16	Horn: Horned			Sire: 13000127	
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.148	19.701	-1.151	5.118	161.27	170.98
Acc - 68	Acc - 61	Acc - 61	Acc - 65		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
17.99		4.1		15.56	

Buyer _____

\$ _____

Lot: 92	Property: Cooma			Tag No: 15004256	
Shorn: May-16	Horn: Horned			Sire: 13000127	
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.927	19.534	-0.216	4.203	157.38	163.46
Acc - 63	Acc - 56	Acc - 55	Acc - 59		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
17.84		4.6		19.1	

Buyer _____

\$ _____



HAZELDEAN
LITCHFIELD

Lot: 93 Property: Cooma Tag No: 15004705
Shorn: May-16 Horn: Polled Sire: 12004689

Australian Sheep Breeding Values - 21 September 2016

yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-1.248	23.495	0.187	2.015	162.8	166.32
Acc - 66	Acc - 61	Acc - 60	Acc - 62		

Wool Test Results - 25 May 2016

Micron	GFW	CV
18.62	5.3	19.89

Buyer _____

\$ _____

Lot: 94 Property: Cooma Tag No: 15004658
Shorn: Horn: PH Sire: 12004652

Australian Sheep Breeding Values - 21 September 2016

yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
	15.22	0.054	0.609	150.93	162.51
Acc - 0	Acc - 54	Acc - 55	Acc - 63		

Wool Test Results - 30 December 1899

Micron	GFW	CV

Buyer _____

\$ _____

Lot: 95 Property: Cooma Tag No: 15004609
Shorn: May-16 Horn: Polled Sire: 12004652

Australian Sheep Breeding Values - 21 September 2016

yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-2.246	14.392	-0.794	0.882	156.03	162.65
Acc - 70	Acc - 64	Acc - 64	Acc - 66		

Wool Test Results - 25 May 2016

Micron	GFW	CV
17.85	5.1	17.42

Buyer _____

\$ _____



HAZELDEAN
LITCHFIELD

Lot: 96 Property: Cooma Tag No: 15004562
Shorn: May-16 Horn: Polled Sire: 12004652

Australian Sheep Breeding Values - 21 September 2016

yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-2.382	22.679	-0.202	0.827	161.9	173.64
Acc - 71	Acc - 64	Acc - 65	Acc - 66		

Wool Test Results - 25 May 2016

Micron	GFW	CV
16.88	6.1	15.98

Buyer _____ \$ _____

Lot: 97 Property: Cooma Tag No: 15004607
Shorn: May-16 Horn: Polled Sire: 12004652

Australian Sheep Breeding Values - 21 September 2016

yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-2.355	18.738	0.34	1.144	154.4	164.99
Acc - 67	Acc - 61	Acc - 61	Acc - 63		

Wool Test Results - 25 May 2016

Micron	GFW	CV
17.23	5.2	17.44

Buyer _____ \$ _____

Lot: 98 Property: Cooma Tag No: 15004665
Shorn: May-16 Horn: Scurred Sire: 12004652

Australian Sheep Breeding Values - 21 September 2016

yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-2.275	16.684	-0.915	2.098	161.56	169.06
Acc - 71	Acc - 65	Acc - 65	Acc - 68		

Wool Test Results - 25 May 2016

Micron	GFW	CV
17.17	4.3	16.28

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 99	Property: Cooma	Tag No: 15004564			
Shorn: May-16	Horn: Scurred	Sire: 12004652			
Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.288	16.688	-1.044	0.851	160.28	166.82
Acc - 71	Acc - 65	Acc - 65	Acc - 65		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
17.32		4.7		15.61	

Buyer _____ \$ _____

Lot: 100	Property: Cooma	Tag No: 15004606			
Shorn: May-16	Horn: Scurred	Sire: 12004652			
Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.306	18.031	0.131	1.06	150.77	162.79
Acc - 67	Acc - 61	Acc - 61	Acc - 62		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
16.78		5.3		16.67	

Buyer _____ \$ _____

Lot: 101	Property: Cooma	Tag No: 15004637			
Shorn: May-16	Horn: Scurred	Sire: 12004652			
Australian Sheep Breeding Values - 21 September 2016					
yFDµm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.609	15.913	0.409	2.349	162.06	169.81
Acc - 74	Acc - 68	Acc - 68	Acc - 70		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
17.21		3.6		19.19	

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 102	Property: Cooma	Tag No: 15004616			
Shorn: May-16	Horn: Horned	Sire: 12004652			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.567	20.155	-0.527	1.743	157.77	164.4
Acc - 71	Acc - 65	Acc - 65	Acc - 65		
Wool Test Results - 25 May 2016					
Micron	GFW		CV		
18.73	5		17.65		

Buyer _____ \$ _____

Lot: 103	Property: Cooma	Tag No: 15004568			
Shorn: May-16	Horn: Horned	Sire: 12004652			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.266	20.156	0.119	1.891	156.71	166.12
Acc - 72	Acc - 66	Acc - 66	Acc - 67		
Wool Test Results - 25 May 2016					
Micron	GFW		CV		
16.46	4.4		20.61		

Buyer _____ \$ _____

Lot: 104	Property: Cooma	Tag No: 15004561			
Shorn: May-16	Horn: Horned	Sire: 12004652			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.197	16.354	-0.289	2.183	155.98	163.12
Acc - 71	Acc - 65	Acc - 65	Acc - 67		
Wool Test Results - 25 May 2016					
Micron	GFW		CV		
17.94	3.7		17.88		

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 105	Property: Cooma	Tag No: 15004644			
Shorn: May-16	Horn: Horned	Sire: 12004652			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.4	21.273	-0.206	0.474	165.3	173.7
Acc - 72	Acc - 66	Acc - 66	Acc - 66		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
17.23	5.1	18.02			

Buyer _____ \$ _____

Lot: 106	Property: Cooma	Tag No: 15004460			
Shorn: May-16	Horn: Polled	Sire: 12004030			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.628	22.517	-0.298	3.7	158.13	165.12
Acc - 71	Acc - 65	Acc - 65	Acc - 65		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
17.9	4.7	16.2			

Buyer _____ \$ _____

Lot: 107	Property: Cooma	Tag No: 15004452			
Shorn: May-16	Horn: Scurred	Sire: 12004030			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.241	23.041	0.257	2.713	160.58	164.21
Acc - 67	Acc - 61	Acc - 61	Acc - 62		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
19.2	5.4	18.75			

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 108		Property: Cooma		Tag No: 15004459	
Shorn: May-16		Horn: Horned		Sire: 12004030	
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.597	24.236	0.523	3.52	174.92	176.24
Acc - 71	Acc - 65	Acc - 65	Acc - 65		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
18.02		5		18.89	

Buyer _____

\$ _____

Lot: 109		Property: Cooma		Tag No: 15004454	
Shorn: May-16		Horn: Horned		Sire: 12004030	
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.417	20.694	0.027	2.469	165.34	173.19
Acc - 72	Acc - 67	Acc - 67	Acc - 69		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
17.54		4.7		17.71	

Buyer _____

\$ _____

Lot: 110		Property: Cooma		Tag No: 15004461	
Shorn: May-16		Horn: Horned		Sire: 12004030	
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.523	22.028	-1.217	3.588	181.67	178.75
Acc - 72	Acc - 66	Acc - 66	Acc - 68		
Wool Test Results - 25 May 2016					
Micron		GFW		CV	
18.26		4.4		17.49	

Buyer _____

\$ _____



HAZELDEAN
LITCHFIELD

Lot: 111	Property: Cooma	Tag No: 15004472			
Shorn: May-16	Horn: Horned	Sire: 12004030			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-0.91	22.327	-0.651	3.582	165.5	166.46
Acc - 71	Acc - 65	Acc - 65	Acc - 68		
Wool Test Results - 25 May 2016					
Micron	GFW		CV		
18.99	4.2		17.89		

Buyer _____

\$ _____

Lot: 112	Property: Cooma	Tag No: 15004499			
Shorn: May-16	Horn: Horned	Sire: 12004030			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.746	23.533	-0.596	1.924	173.35	177.14
Acc - 71	Acc - 65	Acc - 65	Acc - 65		
Wool Test Results - 25 May 2016					
Micron	GFW		CV		
17.73	4.1		15.82		

Buyer _____

\$ _____

Lot: 113	Property: Cooma	Tag No: 15004503			
Shorn: May-16	Horn: Horned	Sire: 12004030			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.746	21.858	-1.098	2.667	171.4	175.32
Acc - 71	Acc - 65	Acc - 65	Acc - 65		
Wool Test Results - 25 May 2016					
Micron	GFW		CV		
17.86	4.3		16.2		

Buyer _____

\$ _____



HAZELDEAN
LITCHFIELD

Lot: 114	Property: Cooma	Tag No: 15004457			
Shorn: May-16	Horn: Horned	Sire: 12004030			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-0.901	23.979	-0.828	2.006	169.61	169.06
Acc - 68	Acc - 62	Acc - 61	Acc - 63		
Wool Test Results - 25 May 2016					
Micron	GFW		CV		
19.57	5.1		18.37		

Buyer _____

\$ _____

Lot: 115	Property: Cooma	Tag No: 15004458			
Shorn: May-16	Horn: Horned	Sire: 12004030			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.105	21.878	0.722	1.717	161.98	169.46
Acc - 71	Acc - 65	Acc - 65	Acc - 68		
Wool Test Results - 25 May 2016					
Micron	GFW		CV		
17.15	4.4		18.13		

Buyer _____

\$ _____

Lot: 116	Property: Cooma	Tag No: 15004463			
Shorn: May-16	Horn: Horned	Sire: 12004030			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.002	25.841	0.772	0.958	167.07	173.12
Acc - 69	Acc - 65	Acc - 63	Acc - 65		
Wool Test Results - 25 May 2016					
Micron	GFW		CV		
17.93	5.5		20.11		

Buyer _____

\$ _____



HAZELDEAN
LITCHFIELD

Lot: 117	Property: Cooma	Tag No: 15004482			
Shorn: May-16	Horn: Horned	Sire: 12004030			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.511	23.774	0.326	2.086	160.37	166.51
Acc - 67	Acc - 61	Acc - 61	Acc - 62		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
18.55	6	17.3			

Buyer _____ \$ _____

Lot: 118	Property: Cooma	Tag No: 15004476			
Shorn: May-16	Horn: Horned	Sire: 12004030			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.372	18.174	-0.123	1.475	162.44	170.03
Acc - 68	Acc - 62	Acc - 61	Acc - 62		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
16.5	4.8	18.18			

Buyer _____ \$ _____

Lot: 119	Property: Cooma	Tag No: 15005337			
Shorn: May-16	Horn: Horned	Sire: 11004632			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.334	19.01	0.021	1.348	159.4	168.11
Acc - 62	Acc - 55	Acc - 54	Acc - 58		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
16.12	4.4	19.25			

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 120	Property: Cooma	Tag No: 15005133			
Shorn: May-16	Horn: Horned	Sire: 11004613			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.605	17.142	-1.292	3.164	162.39	171.27
Acc - 72	Acc - 67	Acc - 67	Acc - 66		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
16.85	4.5	13.69			

Buyer _____ \$ _____

Lot: 121	Property: Cooma	Tag No: 15005136			
Shorn: May-16	Horn: Horned	Sire: 11004613			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.947	22.674	0.303	1.044	159.15	166.67
Acc - 67	Acc - 62	Acc - 61	Acc - 62		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
18.33	5.8	19.67			

Buyer _____ \$ _____

Lot: 122	Property: Cooma	Tag No: 15005184			
Shorn: May-16	Horn: Horned	Sire: 11004613			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.823	13.352	-1.159	3.388	160.19	168.5
Acc - 72	Acc - 67	Acc - 67	Acc - 67		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
16.97	3.6	15.29			

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 123 Property: Cooma Tag No: 15005218
Shorn: May-16 Horn: Horned Sire: 11004613

Australian Sheep Breeding Values - 21 September 2016

yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-2.539	19.562	0.241	0.328	158.89	168.56
Acc - 67	Acc - 62	Acc - 61	Acc - 62		

Wool Test Results - 25 May 2016

Micron	GFW	CV
16.86	5	19.53

Buyer _____ \$ _____

Lot: 124 Property: Cooma Tag No: 15005164
Shorn: May-16 Horn: Horned Sire: 11004613

Australian Sheep Breeding Values - 21 September 2016

yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-2.289	20.864	0.02	1.922	164.09	170.67
Acc - 72	Acc - 66	Acc - 66	Acc - 65		

Wool Test Results - 25 May 2016

Micron	GFW	CV
17.47	4.6	18.86

Buyer _____ \$ _____

Lot: 125 Property: Cooma Tag No: 15005194
Shorn: May-16 Horn: Horned Sire: 11004613

Australian Sheep Breeding Values - 21 September 2016

yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-2.109	19.009	-0.481	0.665	152.56	163.36
Acc - 67	Acc - 62	Acc - 61	Acc - 62		

Wool Test Results - 25 May 2016

Micron	GFW	CV
17.81	5.2	15.17

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 126	Property: Cooma	Tag No: 15005160			
Shorn: May-16	Horn: Horned	Sire: 11004613			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.104	24.43	-0.004	1.973	162.42	172.3
Acc - 71	Acc - 66	Acc - 66	Acc - 65		
Wool Test Results - 25 May 2016					
Micron	GFW		CV		
18.56	4.6		19.35		

Buyer _____ \$ _____

Lot: 127	Property: Cooma	Tag No: 15005215			
Shorn: May-16	Horn: Horned	Sire: 11004613			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.772	14.081	-0.187	-0.69	154.63	163.41
Acc - 67	Acc - 62	Acc - 61	Acc - 62		
Wool Test Results - 25 May 2016					
Micron	GFW		CV		
16.42	4.3		17.68		

Buyer _____ \$ _____

Lot: 128	Property: Cooma	Tag No: 15005036			
Shorn: May-16	Horn: Polled	Sire: 11004242			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.891	17.408	-1.078	4.534	158.76	163.45
Acc - 70	Acc - 64	Acc - 63	Acc - 64		
Wool Test Results - 25 May 2016					
Micron	GFW		CV		
16.44	4.7		17.68		

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 129	Property: Cooma	Tag No: 15005042			
Shorn: May-16	Horn: Horned	Sire: 11004242			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.738	15.47	-1.684	2.911	158.63	160.74
Acc - 70	Acc - 63	Acc - 63	Acc - 64		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
17.79	3.5	15.73			

Buyer _____ \$ _____

Lot: 130	Property: Cooma	Tag No: 15005110			
Shorn: May-16	Horn: Horned	Sire: 11004242			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.45	22.528	-0.921	3.032	161.79	164.67
Acc - 70	Acc - 63	Acc - 63	Acc - 63		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
18.51	5	18.38			

Buyer _____ \$ _____

Lot: 131	Property: Cooma	Tag No: 15005034			
Shorn: May-16	Horn: Horned	Sire: 11004242			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-0.166	28.93	-1.026	1.639	172.59	167.15
Acc - 70	Acc - 64	Acc - 63	Acc - 64		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
20.6	5.3	20.39			

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 132	Property: Cooma	Tag No: 15005105			
Shorn: May-16	Horn: Horned	Sire: 11004242			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.114	23.562	-0.458	1.618	167.14	172.7
Acc - 70	Acc - 63	Acc - 63	Acc - 63		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
16.61	4.6	18.67			

Buyer _____ \$ _____

Lot: 133	Property: Cooma	Tag No: 15004923			
Shorn: May-16	Horn: Scurred	Sire: 11003955			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.436	17.961	0.203	1.86	150.62	164.25
Acc - 67	Acc - 62	Acc - 61	Acc - 62		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
16.64	4.3	16.87			

Buyer _____ \$ _____

Lot: 134	Property: Cooma	Tag No: 15004911			
Shorn: May-16	Horn: Horned	Sire: 11003955			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.963	22.582	-0.439	2.687	160.86	170.53
Acc - 72	Acc - 67	Acc - 66	Acc - 65		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
18.08	5.5	16.02			

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 135	Property: Cooma	Tag No: 15004947			
Shorn: May-16	Horn: Horned	Sire: 11003955			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.71	21.249	-0.223	1.317	172.41	179.8
Acc - 72	Acc - 67	Acc - 67	Acc - 66		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
15.29	4.6	20.26			

Buyer _____ \$ _____

Lot: 136	Property: Cooma	Tag No: 15004325			
Shorn: May-16	Horn: Polled	Sire: 11003661			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.82	24.902	0.453	3.591	161.34	167.87
Acc - 70	Acc - 64	Acc - 64	Acc - 64		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
17.67	4.8	22.03			

Buyer _____ \$ _____

Lot: 137	Property: Cooma	Tag No: 15004392			
Shorn: May-16	Horn: Polled	Sire: 11003661			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.633	25.597	0.561	4.153	164.48	170.26
Acc - 71	Acc - 65	Acc - 65	Acc - 67		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
18.32	4.8	21.31			

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 138 Property: Cooma Tag No: 15004414
Shorn: May-16 Horn: Horned Sire: 11003661

Australian Sheep Breeding Values - 21 September 2016

yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-1.508	23.382	-0.171	2.68	162.98	167.95
Acc - 70	Acc - 64	Acc - 64	Acc - 63		

Wool Test Results - 25 May 2016

Micron	GFW	CV
18.01	4.4	18.89

Buyer _____ \$ _____

Lot: 139 Property: Cooma Tag No: 15004401
Shorn: May-16 Horn: Horned Sire: 11003661

Australian Sheep Breeding Values - 21 September 2016

yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-1.86	21.409	0.493	1.166	154.4	161.78
Acc - 70	Acc - 64	Acc - 64	Acc - 64		

Wool Test Results - 25 May 2016

Micron	GFW	CV
17.02	4.2	20.59

Buyer _____ \$ _____

Lot: 140 Property: Cooma Tag No: 15004854
Shorn: May-16 Horn: Polled Sire: 10005106

Australian Sheep Breeding Values - 21 September 2016

yFD μ m	CFW%	yFDCV%	yWT kg	MP+	7%
-1.958	17.107	-0.591	2.388	155.55	160.8
Acc - 72	Acc - 65	Acc - 66	Acc - 65		

Wool Test Results - 25 May 2016

Micron	GFW	CV
17.37	4.7	18.39

Buyer _____ \$ _____



HAZELDEAN
LITCHFIELD

Lot: 141	Property: Cooma	Tag No: 15004845			
Shorn: May-16	Horn: Horned	Sire: 10005106			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-2.509	12.414	-1.169	3.013	157.24	163.96
Acc - 72	Acc - 65	Acc - 66	Acc - 65		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
16.63	4.7	17.47			

Buyer _____ \$ _____

Lot: 142	Property: Cooma	Tag No: 15004873			
Shorn: May-16	Horn: Horned	Sire: 10005106			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.291	18.358	-1.332	3.533	160.47	162.19
Acc - 73	Acc - 67	Acc - 68	Acc - 67		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
18.45	4.8	15.14			

Buyer _____ \$ _____

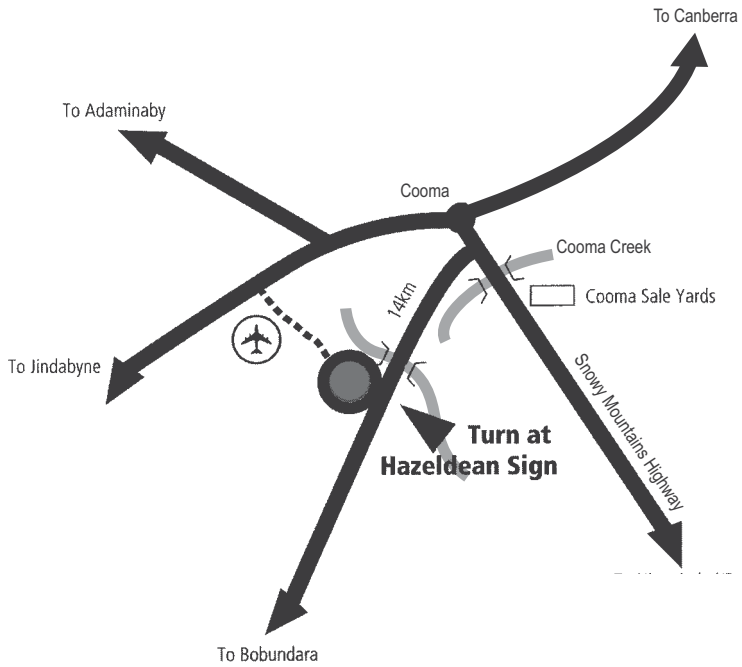
Lot: 143	Property: Cooma	Tag No: 15004839			
Shorn: May-16	Horn: Horned	Sire: 10005106			
Australian Sheep Breeding Values - 21 September 2016					
yFDμm	CFW%	yFDCV%	yWT kg	MP+	7%
-1.74	19.254	-1.077	2.917	165.13	167.65
Acc - 74	Acc - 66	Acc - 68	Acc - 67		
Wool Test Results - 25 May 2016					
Micron	GFW	CV			
18.37	5.1	20.65			

Buyer _____ \$ _____

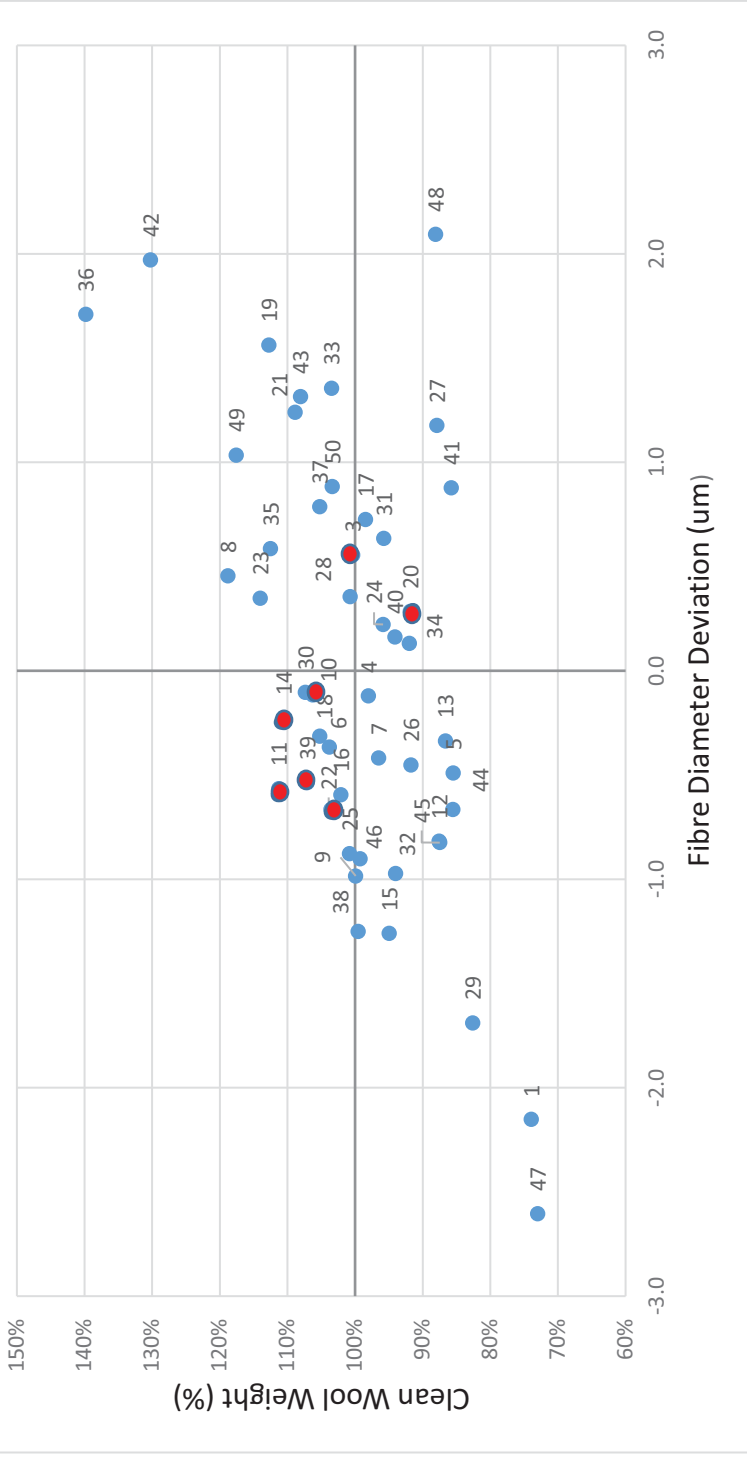


HAZELDEAN

LITCHFIELD



PETER WESTBLADE MEMORIAL MERINO CHALLENGE FINAL RESULTS 2014- 2016

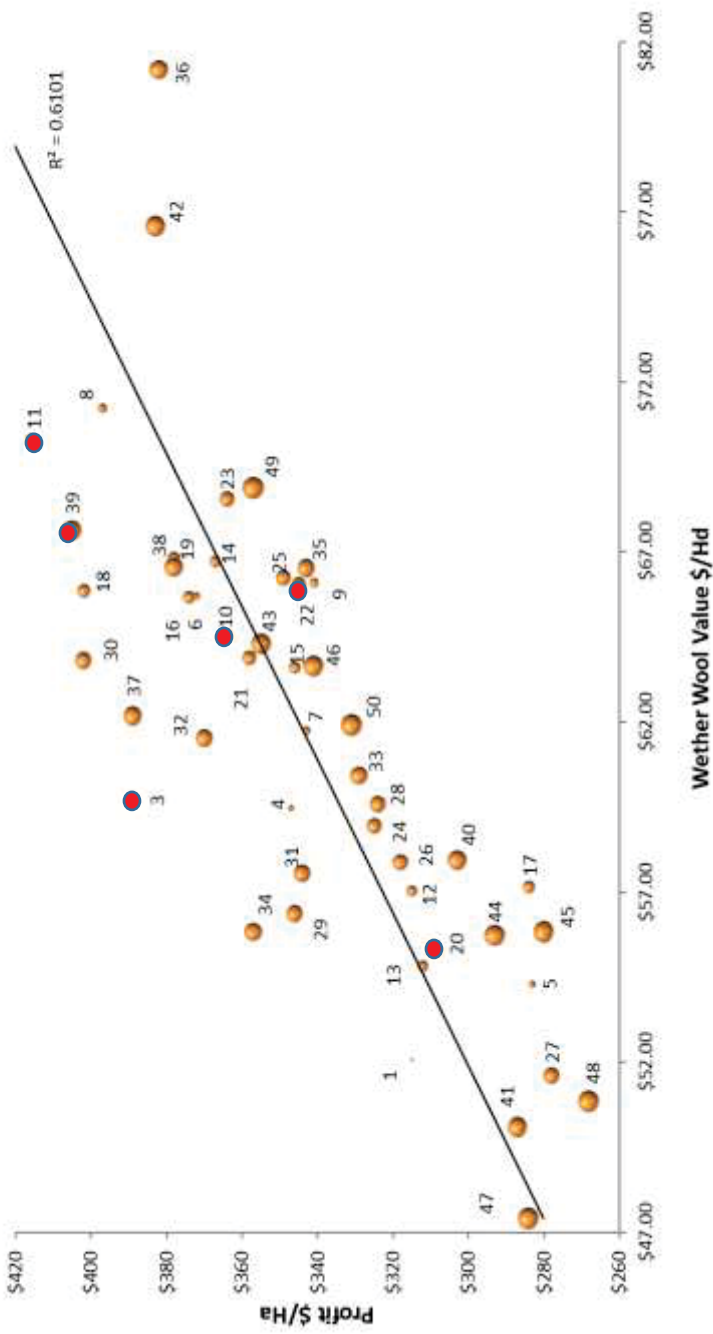


160 teams have entered the PWMMC since 2010. This is the 3rd trial of its kind and has seen 50 commercial breeders enter teams, from 39 bloodlines.

● denotes teams that are pure Hazeldean blood or Hazeldean base, most of which are in the top of the quadrant for greater Clean wool weight and finer micron.

PETER WESTBLADE MEMORIAL MERINO CHALLENGE FINAL RESULTS 2014- 2016

GrassGro Profit and Wool Value relationship



● Denotes teams that are either pure Hazeldean blood or Hazeldean base



Hazeldean Haricot 11-000043

Hazeldean Haricot is a Poll ram sired by Coromandel Sir Thomas. A beautifully balanced sire with great growth, fleece weight, he has an elite wool type with superior style and handle. Haricot has been very potent in stamping his progeny at Hazeldean with this lustrous wool and in volume. His ewe and ram progeny are early maturing with consistency of type, and real standouts amongst their contemporaries. A trait leader for all indexes, in the top 10% for Yearling Weight Haricot brings some very worthwhile traits to our program.

12 sons in the sale

Top 2% Fleece weight Top 10% Yearling weight Top 1% FP+ and MP+ indexes

www.hazeldean.com.au

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