

# BORAMBIL

MERINO AND POLL STUD

## 23RD ANNUAL ON PROPERTY RAM SALE

TUESDAY 17TH SEPTEMBER, 2019

SALE COMMENCING 1PM

'COLLENDINA', 1955 SPRING DRIVE, COROWA 2646

**110 MERINO AND POLL RAMS  
ON OFFER**

MAY / JUNE 2018 DROP

SHORN APRIL 2019 - FLEECE TESTED JULY 2019



# BORAMBIL MERINO AND POLL STUD

**BORAMBIL MERINO STUD FLOCK NO. 4354**  
**BORAMBIL POLL STUD FLOCK NO. 1586**

In recent years, Borambil Merino Stud has successfully concentrated on increasing sheep size and wool cut. We have maintained soft and nourished fine/ medium wool in quick maturing, and highly fertile sheep.

We pride ourselves on producing quality rams whose progeny thrive in all environments, to ensure our clients have success with their Borambil rams, wherever they may be located.

We continually strive to improve our ram selection and increase the number of quality rams available to our clients.

From all the Mathews family, we thank you for your support of Borambil Merino Stud.

We hope that you are all rewarded with another strong year for the sheep and wool industry.



# BORAMBIL

MERINO AND POLL STUD

## Borambil Merino and Poll Merino Stud

Borambil Merino Stud was established in 1968, and purchased in 2006 by Rodger and Kim Mathews. Traditionally based on Roseville Park and Nerstane bloodlines, the introduction of genetics from Wanganella and White River has complemented existing bloodlines and supported Borambil's breeding objectives.

In 2014 Borambil established a poll flock (Borambil Poll Merino Stud) with great success. Initially based on Moorundie ewes and Poll Boonoke sires, in recent years the Borambil Poll Merino Stud has been supported with the introduction of Coddington Poll, Roseville Park Poll and East Mundalla genetics. In 2018, polls accounted for 36% of the total Borambil on-farm ram sales and will account for >40% in 2019.

Rams offered at the 2019 Borambil on-property sale, in summary:

Poll/Horn	# Rams	Micron	SD	CV	CF	SF
P	46	20.1	2.8	14.1	99.6	18.6
H	64	19.2	2.9	15.4	99.6	17.9
<b>Total</b>	110	19.6	2.9	14.8	99.6	18.2

## Borambil Merino and Poll Merino Sire Information

### Merino Sires

Tag	Sire	Dam	Description
B 162	TJ 910	BSE	A Borambil bred ram, son of TJ190. B162 has lovely soft fine wool with richness and style. Has been used in our breeding program for several years. Progeny of B162 have achieved strong and consistent sale results.
N 183	OO104	NSE	N183 has thick, richly styled wool. He was purchased in 2016 from Nerstane to help Borambil enhance wool quality.
N 412	N 43	NSE	N412 was the son of well renowned sire N43, and had exceptionally productive wool with thickness and style. Used in our AI program, consistently breeds quality progeny.
N 485	N4636	NSE	A Nerstane bred ram. The son of N4636, considered one of the best sires to come out Nerstane with rich stylish wool. Progeny of N485 have always proven strong sellers for Borambil.
RP 113	RP 09-114	RPSE	Purchased from Roseville Park in 2015. The son of RP09114, a well-known Roseville Park ram who left his mark across Australia with progeny having heavy cutting, highly nourished wool.
RP 2779	RP 38	RPSE	Purchased from Roseville Park in 2014 and is still used in our AI program. Sire is RP38 who was recognised for heavy wool cut. RP2779 has delivered progeny with exceptional wool cutting ability.

TJ 910	N 910	NSE	A Trefusus bred sire with pure Nerstane genetics. Purchased in 2014, TJ910 had magnificent soft, supple skin with silky white fine/ medium wool. Continues to be used in our AI program. Progeny of TJ90 are also used in our breeding program and continue to deliver consistently strong results for Borambil.
W 812	EM (Jonty)	WSE	A Wanganella sire purchased in 2016 who is already leaving a very positive mark on Borambil. This sire, and his progeny have excellent confirmation, richly nourished wool and heavy wool cut.
W 887	C 240	WSE	A Wanganella sire purchased in 2017 whose father was Charinga C240. W887 is a very big, plain body sire with smart wool, who has begun to deliver favourable results for our stud.

### Poll Merino Sires

Tag	Sire	Dam	Description
CP 5065	WP (Real Deal)	CPSE	A Coddington Poll sire purchased in 2015 that comes from a family of strong genetics. His sire was Wallaloo Park 'Real Deal' whose presence is evident in the big sheep with soft wool that are being produced. CP was the highest performing sire at the 2018 on-property sale.
PB 001	PB004	PBSE	A Poll Boonoke sire purchased in 2015. PB1 is a large, heavy wool cutting ram.

RP Poll	RP 12052	RPSE	Roseville Park poll sire purchased in 2015 for his soft white wool, suitable for higher rainfall areas. This sire is a thick heavy wool cutter.
WP 007	WRV (Premier)	WPSE	A Wallaloo Park bred ram purchased in 2016. WP007 is a huge ram with excellent constitution. Has excellent style but slightly broader wools and is delivering positive results when joined over our finer ewe base.
EM 43	EM Imperial 141	EMSE	EM43 is a very stylish, very big ram with soft skin, smart wool and excellent constitution. Was the highest priced ram at Bendigo in 2017 and has already delivered fantastic results over our PB54 ewes with progeny selling very strongly at both Hamilton and Bendigo in 2019.
MRD 190	PB 004	MRDSE	A Moorundie bred ram acquired in 2017, whose sire is PB004. MRD190 is a well-balanced ram whose wool is suitable for all environments.
MRD 215	PB 004	MRDSE	A Moorundie bred ram, son of PB004. MRD215 is a big ram with plenty of fine, rich white wool.
B54- 250	PB 54	BSE	B54-250 is a Borambil bred ram and son of PB54. Like his father, this sire is a thick, heavy wool cutting ram with richly nourished wool.

Note: If exact Dam details are not recorded, the relevant stud syndicate ewe will be provided. For example, BSE refers to Borambil Stud Ewe while LDSE refers to Langdeen Stud Ewe.

## WOOL TESTING GLOSSARY

**Micron** figures represent mean fibre diameter. They are a guide only and should be used as such. They do not necessarily tell how an individual ram will breed. Some rams tested are in full show feed; their micron results can be expected to show stronger figures than those under natural conditions.

The **Comfort Factor (CF)** is the proportion of fibres which have a diameter of less than 30um. It is represented as a percentage (%). A wool with a CF of 100% contains no fibres greater than 30um. A CF greater than 98% is very acceptable.

The **Standard Deviation (SD)** summarises the way diameter results from individual fibres are spread around the mean fibre diameter. As a measure of the fibre diameter variation within the sample, the smaller the SD value, the more evenly sized the fibres are. Good SD values are less than 4.0.

The **Coefficient of Variation (CV)** is a measure of the relative distribution of fibre diameter and is expressed as a percentage (%). It is a useful guide to assessing staple strength. High CV is usually associated with tender wool. CV is calculated by dividing the SD by the mean micron, then multiplying this by 100 to gain a percentage value.

**Spinning Fineness (SF)** provides an estimate of the performance of the wool when it is spun into yarn. It is a calculation of mean fibre diameter and CV into a single measure of fineness, and is expressed in microns.

The Micron, SD, and CV values have been measured by AWTA Ltd using Laser scan instrumentation. The CF and SF are values that have been calculated using formulas derived from research studies, they are not values that are directly measured by AWTA Ltd and care should be taken in their use. In all cases, these figures are to be used as a guide only.

### WOOL TEST TERMINOLOGY SUMMARY

MICRON	Test of Mean Fibre Diameter
SD	Standard Deviation (Less than 4% is good)
CV	Co-efficient of Variation (Less than 18% is good)
CF	Comfort Factor is the % of Fibres less than 30 microns
SF	Spinning Fineness

<b>LOT 1</b>		<b>TAG 238</b>		<b>SIRE N485</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>19.5</b>	<b>3.2</b>	<b>16.4</b>	<b>99.2</b>	<b>18.3</b>	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 2</b>		<b>TAG 93</b>		<b>SIRE RP113</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>19.4</b>	<b>2.5</b>	<b>12.9</b>	<b>99.6</b>	<b>17.8</b>	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 3</b>		<b>TAG 676</b>		<b>SIRE RPOLL</b>		<b>POLL</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>19.5</b>	<b>2.8</b>	<b>14.4</b>	<b>99.5</b>	<b>17.8</b>	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 4</b>		<b>TAG 97</b>		<b>SIRE W812-887 (SYN)</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>18</b>	<b>2.8</b>	<b>15.6</b>	<b>99.7</b>	<b>16.8</b>	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 5</b>		<b>TAG 161</b>		<b>SIRE TJ910</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>19.3</b>	<b>2.8</b>	<b>14.5</b>	<b>99.6</b>	<b>17.9</b>	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 6</b>		<b>TAG 169</b>		<b>SIRE TJ910</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>17.9</b>	<b>2.4</b>	<b>13.4</b>	<b>99.7</b>	<b>16.5</b>	<b>Buyer</b>		
<b>Comment</b>							



<b>LOT 7</b>		<b>TAG 235</b>		<b>SIRE N485</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>18</b>	3.3	18.3	99.3	17.1	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 8</b>		<b>TAG 166</b>		<b>SIRE TJ910</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>18.1</b>	2.8	15.5	99.8	16.9	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 9</b>		<b>TAG 164</b>		<b>SIRE TJ910</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>20.8</b>	3.6	17.3	99.1	19.6	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 10</b>		<b>TAG 188</b>		<b>SIRE PB01</b>		<b>POLL</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>19.3</b>	3	15.5	99.7	18	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 11</b>		<b>TAG 104</b>		<b>SIRE CP5065</b>		<b>POLL</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>21</b>	2.9	13.8	99.6	19.4	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 12</b>		<b>TAG 95</b>		<b>SIRE W812-887 (SYN)</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>18.3</b>	3	16.4	99.6	17.2	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 13</b>		<b>TAG 107</b>		<b>SIRE N183</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>19.4</b>	3.1	16	99.5	18.2	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 14</b>		<b>TAG 98</b>		<b>SIRE RP2779</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>18.6</b>	2.9	15.6	99.7	17.4	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 15</b>		<b>TAG 95</b>		<b>SIRE RP2779</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>17.3</b>	2.9	16.8	99.8	16.3	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 16</b>		<b>TAG 170</b>		<b>SIRE TJ910</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>17.9</b>	2.7	15.1	99.8	16.6	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 17</b>		<b>TAG 236</b>		<b>SIRE N485</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>19.2</b>	3.2	16.7	99.5	18.1	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 18</b>		<b>TAG 232</b>		<b>SIRE N485</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>17.8</b>	2.1	11.8	100	16.2	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 19</b>		<b>TAG 96</b>		<b>SIRE W812-887 (SYN)</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>18.2</b>	2.8	15.4	99.8	17	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 20</b>		<b>TAG 87</b>		<b>SIRE MRD (SYN)</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>18.8</b>	2.9	15.4	99.8	17.5	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 21</b>		<b>TAG 88</b>		<b>SIRE EM43</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>21.3</b>	2.6	12.2	99.7	19.5	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 22</b>		<b>TAG 94</b>		<b>SIRE WP</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>21.9</b>	3.3	15.1	99.6	20.4	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 23</b>		<b>TAG 90</b>		<b>SIRE B54 250</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>18.2</b>	2.8	15.4	99.5	17	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 24</b>		<b>TAG 146</b>		<b>SIRE WP</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>20.8</b>	3.3	15.9	99.6	19.4	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 25</b>		<b>TAG 147</b>		<b>SIRE CP5065</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>18.4</b>	2.5	13.6	99.8	16.9	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 26</b>		<b>TAG 85</b>		<b>SIRE MRD (SYN)</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>21.3</b>	2.6	12.2	99.7	19.5	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 27</b>		<b>TAG 73</b>		<b>SIRE MRD (SYN)</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>20.9</b>	2.6	12.4	99.7	19.1	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 28</b>		<b>TAG 120</b>		<b>SIRE WP</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>20.3</b>	2.7	13.3	99.6	18.7	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 29</b>		<b>TAG 91</b>		<b>SIRE MRD (SYN)</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>20.8</b>	2.9	13.9	99.3	19.2	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 30</b>		<b>TAG 127</b>		<b>SIRE CP5065</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>19.3</b>	2.8	14.5	99.2	17.9	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 31</b>		<b>TAG 340</b>		<b>SIRE CP5065</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>16.9</b>	<b>2.8</b>	<b>16.6</b>	<b>99.8</b>	<b>15.9</b>	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 32</b>		<b>TAG 89</b>		<b>SIRE MRD (SYN)</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>20.3</b>	<b>2.6</b>	<b>12.8</b>	<b>99.8</b>	<b>18.6</b>	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 33</b>		<b>TAG 147</b>		<b>SIRE WP</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>21.5</b>	<b>3.1</b>	<b>14.4</b>	<b>99</b>	<b>19.9</b>	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 34</b>		<b>TAG 232</b>		<b>SIRE RP2779</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>18.9</b>	<b>3.3</b>	<b>17.5</b>	<b>99.7</b>	<b>17.9</b>	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 35</b>		<b>TAG 113</b>		<b>SIRE N183</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>18.3</b>	<b>2.8</b>	<b>15.3</b>	<b>99.5</b>	<b>17</b>	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 36</b>		<b>TAG 107</b>		<b>SIRE N485</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>19.7</b>	<b>2.9</b>	<b>14.7</b>	<b>99.7</b>	<b>18.3</b>	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 37</b>		<b>TAG 101</b>		<b>SIRE N485</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>19.1</b>	<b>2.7</b>	<b>14.1</b>	<b>99.8</b>	<b>17.6</b>	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 38</b>		<b>TAG 122</b>		<b>SIRE WP</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>21.6</b>	<b>2.9</b>	<b>13.4</b>	<b>99.7</b>	<b>19.9</b>	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 39</b>		<b>TAG 227</b>		<b>SIRE RP2779</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>19.7</b>	<b>2.6</b>	<b>13.2</b>	<b>99.7</b>	<b>18.1</b>	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 40</b>		<b>TAG 96</b>		<b>SIRE EM43</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>20.5</b>	<b>3</b>	<b>14.6</b>	<b>99.8</b>	<b>19</b>	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 41</b>		<b>TAG 1</b>		<b>SIRE B54 250</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>20</b>	<b>2.4</b>	<b>12</b>	<b>100</b>	<b>18.2</b>	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 42</b>		<b>TAG 26</b>		<b>SIRE W812-887 (SYN)</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>20.6</b>	<b>3</b>	<b>14.6</b>	<b>99.3</b>	<b>19.1</b>	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 43</b>		<b>TAG 24</b>		<b>SIRE W812-887 (SYN)</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>19</b>	3	15.8	99.2	17.8	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 44</b>		<b>TAG 41</b>		<b>SIRE RPOLL</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>19.5</b>	2.8	14.4	99.6	18	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 45</b>		<b>TAG 98</b>		<b>SIRE W812-887 (SYN)</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>19.7</b>	3.4	17.3	99.4	18.6	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 46</b>		<b>TAG 105</b>		<b>SIRE N183</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>19.4</b>	3	15.5	99.6	18.1	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 47</b>		<b>TAG 14</b>		<b>SIRE MRD (SYN)</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>21</b>	3.5	16.7	98.8	19.7	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 48</b>		<b>TAG 350</b>		<b>SIRE CP5065</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>20</b>	3	15	99.7	18.6	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 49</b>		<b>TAG 116</b>		<b>SIRE RPOLL</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>20.1</b>	2.8	13.9	99.6	18.5	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 50</b>		<b>TAG 264</b>		<b>SIRE RP2779</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>20.3</b>	2.9	14.3	99.5	18.8	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 51</b>		<b>TAG 242</b>		<b>SIRE RP2779</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>19.9</b>	3.2	16.1	99.3	18.6	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 52</b>		<b>TAG 103</b>		<b>SIRE N485</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>20</b>	3.1	15.5	99.2	18.6	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 53</b>		<b>TAG 261</b>		<b>SIRE TJ910</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>17.5</b>	2.8	16	99.8	16.4	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 54</b>		<b>TAG 56</b>		<b>SIRE RP113</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>18.9</b>	3	15.9	99.8	17.7	<b>Buyer</b>	
<b>Comment</b>						



<b>LOT 55</b>		<b>TAG 92</b>		<b>SIRE EM43</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>21.1</b>	3.1	14.7	99.4	19.6	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 56</b>		<b>TAG 40</b>		<b>SIRE B54 250</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>21.3</b>	2.9	13.6	99.4	19.6	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 57</b>		<b>TAG 233</b>		<b>SIRE N485</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>20.2</b>	2.9	14.4	99.7	18.7	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 58</b>		<b>TAG 15</b>		<b>SIRE MRD (SYN)</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>18.3</b>	2.5	13.7	99.6	16.9	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 59</b>		<b>TAG 178</b>		<b>SIRE RPN</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>19.3</b>	3.4	17.6	99.3	18.3	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 60</b>		<b>TAG 277</b>		<b>SIRE RP2779</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>19.1</b>	2.7	14.1	99.4	17.6	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 61</b>		<b>TAG 209</b>		<b>SIRE N183</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>18.5</b>	<b>3.5</b>	<b>18.9</b>	<b>99.4</b>	<b>17.7</b>	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 62</b>		<b>TAG 234</b>		<b>SIRE N485</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>18.7</b>	<b>2.9</b>	<b>15.5</b>	<b>99.6</b>	<b>17.4</b>	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 63</b>		<b>TAG 163</b>		<b>SIRE TJ910</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>18.6</b>	<b>3</b>	<b>16.1</b>	<b>99.8</b>	<b>17.4</b>	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 64</b>		<b>TAG 12</b>		<b>SIRE B54 250</b>		<b>POLL</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>20.4</b>	<b>2.5</b>	<b>12.3</b>	<b>99.9</b>	<b>18.6</b>	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 65</b>		<b>TAG 257</b>		<b>SIRE RP2779</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>19.9</b>	<b>2.4</b>	<b>12.1</b>	<b>99.9</b>	<b>18.2</b>	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 66</b>		<b>TAG 106</b>		<b>SIRE N485</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>18.8</b>	<b>3</b>	<b>16</b>	<b>99.7</b>	<b>17.6</b>	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 67</b>		<b>TAG 78</b>		<b>SIRE MRD (SYN)</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>19.9</b>	<b>2.4</b>	<b>12.1</b>	<b>99.8</b>	<b>18.2</b>	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 68</b>		<b>TAG 118</b>		<b>SIRE WP</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>21.3</b>	<b>3.2</b>	<b>15</b>	<b>99.7</b>	<b>19.8</b>	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 69</b>		<b>TAG 91</b>		<b>SIRE B54 110</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>20.2</b>	<b>3.6</b>	<b>17.8</b>	<b>99.2</b>	<b>19.2</b>	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 70</b>		<b>TAG 82</b>		<b>SIRE RP636</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>17.2</b>	<b>2.3</b>	<b>13.4</b>	<b>99.8</b>	<b>15.8</b>	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 71</b>		<b>TAG 192</b>		<b>SIRE B162</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>19.5</b>	<b>3.5</b>	<b>17.9</b>	<b>99.5</b>	<b>18.5</b>	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 72</b>		<b>TAG 10</b>		<b>SIRE RP2779</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>18.2</b>	<b>2.6</b>	<b>14.3</b>	<b>99.8</b>	<b>16.8</b>	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 73</b>		<b>TAG 270</b>		<b>SIRE N485</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>19</b>	2.6	13.7	99.8	17.5	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 74</b>		<b>TAG 44</b>		<b>SIRE RP113</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>20.1</b>	3.1	15.4	99.9	18.7	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 75</b>		<b>TAG 126</b>		<b>SIRE W812-887 (SYN)</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>18</b>	3.4	18.9	99.5	17.2	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 76</b>		<b>TAG 209</b>		<b>SIRE EM43</b>		<b>POLL</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>19.8</b>	2.5	12.6	99.6	18.1	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 77</b>		<b>TAG 106</b>		<b>SIRE WP</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>20.2</b>	3	14.9	99.4	18.8	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 78</b>		<b>TAG 94</b>		<b>SIRE W812-887 (SYN)</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>20.5</b>	3.3	16.1	99.5	19.2	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 79</b>		<b>TAG 90</b>		<b>SIRE RP636</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>16.8</b>	2.6	15.5	99.9	15.7	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 80</b>		<b>TAG 125</b>		<b>SIRE B162</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>20.2</b>	3	14.9	99.9	18.8	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 81</b>		<b>TAG 160</b>		<b>SIRE N183</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>19.1</b>	2.7	14.1	99.8	17.6	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 82</b>		<b>TAG 16</b>		<b>SIRE W812-887 (SYN)</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>20.9</b>	3.4	16.3	99.1	19.6	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 83</b>		<b>TAG 128</b>		<b>SIRE WP</b>		<b>POLL</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>20.4</b>	3.3	16.2	99.7	19.1	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 84</b>		<b>TAG 128</b>		<b>SIRE B162</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>17.5</b>	2.7	15.4	99.4	16.3	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 85</b>		<b>TAG 254</b>		<b>SIRE TJ910</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>19.6</b>	<b>3.5</b>	<b>17.9</b>	<b>99.3</b>	<b>18.6</b>	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 86</b>		<b>TAG 143</b>		<b>SIRE WP</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>21.3</b>	<b>2.7</b>	<b>12.7</b>	<b>99.6</b>	<b>19.5</b>	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 87</b>		<b>TAG 111</b>		<b>SIRE RPOLL</b>		<b>POLL</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>20.9</b>	<b>2.9</b>	<b>13.9</b>	<b>99.3</b>	<b>19.3</b>	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 88</b>		<b>TAG 99</b>		<b>SIRE EM43</b>		<b>POLL</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>22</b>	<b>3.2</b>	<b>14.5</b>	<b>99.3</b>	<b>20.4</b>	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 89</b>		<b>TAG 51</b>		<b>SIRE MRD (SYN)</b>		<b>POLL</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>21.3</b>	<b>2.8</b>	<b>13.1</b>	<b>99.5</b>	<b>19.6</b>	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 90</b>		<b>TAG 130</b>		<b>SIRE B162</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>17.7</b>	<b>3.6</b>	<b>20.3</b>	<b>99.5</b>	<b>17.1</b>	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 91</b>		<b>TAG 148</b>		<b>SIRE CP5065</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>19.7</b>	2.6	13.2	99.9	18.1	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 92</b>		<b>TAG 25</b>		<b>SIRE W812-887 (SYN)</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>20</b>	3.2	16	99.7	18.7	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 93</b>		<b>TAG 15</b>		<b>SIRE W812-887 (SYN)</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>20.2</b>	2.6	12.9	99.8	18.5	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 94</b>		<b>TAG 129</b>		<b>SIRE W812-887 (SYN)</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>18.3</b>	2.8	15.3	99.7	17	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 95</b>		<b>TAG 50</b>		<b>SIRE MRD (SYN)</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>20.8</b>	3	14.4	99.6	19.3	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 96</b>		<b>TAG 17</b>		<b>SIRE B54 250</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>20</b>	2.7	13.5	99.7	18.4	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 97</b>		<b>TAG 7</b>		<b>SIRE B54 250</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>19.9</b>	3.5	17.6	99.4	18.8	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 98</b>		<b>TAG 100</b>		<b>SIRE EM43</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>19.2</b>	2.4	12.5	99.8	17.6	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 99</b>		<b>TAG 95</b>		<b>SIRE EM43</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>21.5</b>	3.1	14.4	99.5	19.9	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 100</b>		<b>TAG 23</b>		<b>SIRE W812-887 (SYN)</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>21.3</b>	3.3	15.5	99.1	19.9	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 101</b>		<b>TAG 251</b>		<b>SIRE TJ910</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>20.1</b>	2.5	12.4	99.7	18.4	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 102</b>		<b>TAG 230</b>		<b>SIRE RP2779</b>		<b>HORN</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>20.8</b>	3.8	18.3	98.2	19.8	<b>Buyer</b>	
<b>Comment</b>						



<b>LOT 103</b>		<b>TAG 256</b>		<b>SIRE TJ910</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>18.2</b>	2.8	15.4	99.8	17	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 104</b>		<b>TAG 123</b>		<b>SIRE W812-887 (SYN)</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>22.5</b>	2.4	10.7	100	20.4	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 105</b>		<b>TAG 252</b>		<b>SIRE TJ910</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>17.2</b>	2.6	15.1	99.8	16	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 106</b>		<b>TAG 127</b>		<b>SIRE W812-887 (SYN)</b>		<b>HORN</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>20.4</b>	2.8	13.7	99.6	18.8	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 107</b>		<b>TAG 157</b>		<b>SIRE CP5065</b>		<b>POLL</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>18.5</b>	2.4	13	100	17	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 108</b>		<b>TAG 2</b>		<b>SIRE WP</b>		<b>POLL</b>	
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>		
<b>19.4</b>	2.3	11.9	100	17.7	<b>Buyer</b>		
<b>Comment</b>							

<b>LOT 109</b>		<b>TAG 101</b>		<b>SIRE CP5065</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>19.5</b>	2.3	11.8	99.9	17.8	<b>Buyer</b>	
<b>Comment</b>						

<b>LOT 110</b>		<b>TAG 675</b>		<b>SIRE RPOLL</b>		<b>POLL</b>
<b>Micron</b>	<b>SD</b>	<b>CV</b>	<b>CF</b>	<b>SF</b>	<b>Price</b>	
<b>18.2</b>	2.5	13.7	100	16.8	<b>Buyer</b>	
<b>Comment</b>						

# LAMBING PLANNER

## Time of Joining/Lambing

Choosing the optimum time to lamb relies on many factors. Production per hectare is maximised when lactation (peak feed demand) matches the time of the peak supply of cheap green feed, however there are other important considerations:

- Having ewes in good condition at joining. Lambing percentage increases with increasing Condition Score (CS)
- Using the natural breeding season (Feb-April) for Merinos to gain higher fertility
- Meeting a specific market for lamb turnoff
- The risk of poor weather at lambing
- Being able to feed weaners to grow and survive over summer
- Fitting in with other farming operations such as cropping programs.

## Ram Preparation and Joining Percentage

At least 8 weeks prior to joining, inspect for faults, particularly testes and penis. Sick rams need 8 weeks after recovery to produce healthy sperm.

Cull any rams with abnormal genitals, feet or teeth. Don't crutch or shear rams during this time as infections from cuts especially to the scrotum can stop sperm production. Rams need maximum testes size to work effectively. To ensure this, feed lupins at up to 750 g/h/d for the 8 weeks leading up to joining (feeding rates may be lower if paddock nutrition is very good). Ensure you have adequate numbers of rams for joining. Fit, healthy rams should be used a minimum of 1% (with a minimum 4 rams per mob). Join mature rams to maiden ewes. Immature rams tend to have smaller testes size and therefore lower sperm production so a minimum of 2% should be used. With a synchronised joining or out of breeding season joining it is safer to use 3%.

## Use of Teasers

Merino sheep cycle spontaneously in late summer. If joining before 1st February, use teasers to ensure that ewes are ready to conceive at the

beginning of joining. Teasers also stimulate more ewes to come into oestrus. This produces a closer lambing and makes managing the ewes and lambs easier. Teasing for 14 days followed by a 35 day joining is recommended. Teasers can be testosterone treated wethers (or ewes) or vasectomised rams. If using vasectomised rams, they must be removed at the start of joining; wethers can be left in the mob until the rams are removed (unless they are large and aggressive and likely to compete with rams for ewes). Inject teasers with testosterone 7 days prior to being used. Teasers should be used at 1% for 14 days before the rams go in. Teasers must be introduced directly to the mob to ensure that all ewes make contact as soon as possible.

### **Ewe Preparation for Joining**

Condition score/live weight at joining has a major effect on reproduction rate (fertility and twinning rate combined). Ewes in poor condition and maidens below 40kg may not cycle at all. Highest reproduction rates have been obtained with ewes in CS 3+ at joining. Flocks at or below CS 2 will have a low reproductive rate, but there is little further benefit for flocks fatter than average CS 3.5. A method to stimulate ovulation rates is to feed ewes 500 g/h lupins daily from 7 days prior to rams going in, and continue for no more than 7 days after rams in. This method can be variable in its response and the cost of feeding lupins to the value of extra lambs needs to be taken into account. [Note – ewes are more likely to respond to lupin feeding if they are less than CS 3. It is suggested that ewes be fed daily rather than twice weekly, or join on un-grazed lupin stubbles. Be prepared to manage the extra twins generated – twinning ewes will need higher nutrition in pregnancy and lactation. Check with your sheep advisor for the suitability of any of these options.]

### **Pregnancy Testing**

Ultrasound scanning can accurately identify dry, single and multiple bearing ewes at 35 – 42 days after ram removal, following a joining of 35 days. Scanning allows separate management of twin bearing ewes, the effective use of supplementary feed, and the option of selling dry ewes if necessary. The percentage of multiple pregnancies in your flock will determine the value of setting up a separate flock of twin bearing ewes. Knowing twin bearing ewes also allows feeding to minimise the chances of pregnancy toxæmia and the identification of higher value breeding ewes and lambs.

## **Nutrition of Pregnant and Lactating Ewes**

The ewe has an increasing feed demand, especially those bearing twins, in the last 6 weeks before birth. At this time the ewe's condition determines the birth weight of the lamb which in turn has a large impact on its survival. It is important, at any condition, that ewes either maintain or increase condition in the last trimester of pregnancy. Ewes that are pregnant while green feed is available need at least 700-1000 kg DM/ha of pasture (FOO) during late pregnancy and increasing amounts during lactation (1500-2500 kg DM/ha FOO on annual pastures and 1200 -2000 kg DM/ha FOO on mixed perennial pastures). Lactating ewes' appetite and feed demand increases immediately after birth and ewes require at least 2.5x that of a dry sheep, for maximum milk production. Higher feed during lactation means higher lamb growth rate.



We would like to thank all clients for their support and attendance at our sale.

We hope you are all very satisfied with the rams you are purchasing.

Classing and selection of rams is a service available to you upon request.

If we can be of any assistance to you, please phone Rodger on 0428 358233.

Our sincere thank you to all agents for their promotion and support of our stud.

Rodger and Kim Mathews

#### Disclaimer

Whilst all care and attention has been paid to accuracy in the compilation of this catalogue, neither the vendors, the selling agents, or representative/s thereof assume any responsibility whatsoever for the correctness, use or interpretation of the information on animals included in the sale catalogue.

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