

FOREWORD

On behalf of Koonwarra Merino Stud, we welcome you to the 27th Annual Koonwarra On-Property Ram Sale.

Last year proved very successful with Koonwarra's return to an auction sale. The sale team of large-framed, heavy-cutting Merino rams sold to a top of \$6,400 and averaged \$1,153 for the 53 rams sold.

The 70 August/September 2003 drop rams included in this year's sale catalogue will be available for inspection on the morning of Friday 15 October 2004 from 10:00am with the auction to commence at 1:00pm.

To assist with your selections, the sale rams have been mid-side sampled and tested on 9 September 2004. The results from Riverina Wool Testers were very impressive with the 70 rams for auction averaging 19.33 Micron, 3.50 SD, 18.16 CV and 98.98 Comfort Factor.

As with last year, the rams presented have been grazing on improved pastures, predominantly lucerne and will be presented in excellent working order.

July 2004 saw the abolition of OJD Zoning and the introduction of the Assurance Based Credit (ABC) Scheme on a national level. With a strict Gudair vaccination program over the past 3 years all stock on Koonwarra have become "Approved Vaccinates", placing the stud in a very strong trade situation. Koonwarra has the ability to confidently trade sheep within New South Wales and into Victoria.

We take this opportunity to thank you for your support and extend to you an invitation to join us for post sale refreshments at the conclusion of the sale.

Ben Lane
Stud Manager

Sale Date Friday 15 October 2004
Sale to commence at 1:00pm
KOONWARRA MERINO STUD
Fish Fossil Drive, Canowindra NSW

Inspection Time: Friday 15 October 2004
From 10:00am

Shearing: 2003 drop rams shorn 3 April 2004

Delivery: Please complete Buyer's Instruction Slip on
Page 17 of the catalogue.

If rams have to await transport or clients wish to have transport arranged, please advise after the sale on the Buyer's Instruction Slip.

Health: All rams catalogued have been multiple vaccinated with 6-in-1. These rams on offer have also been vaccinated with Gudair and are classified as "Approved Vaccinates". Koonwarra Merino Stud is a Brucellosis and Footrot Accredited Free Flock. All rams were drenched with Cydectin Oral, plus Selenium on 22 September 2004.

Disclaimer: Koonwarra Merino Stud accepts no responsibility for the accuracy or the repeatability of the fleece production information supplied in this catalogue.

Selling Agents: Vendor Rebate of 3% will be allowed to outside agents introducing buyers in writing prior to the sale and settling on their behalf within seven days of invoicing.



LANDMARK
an AWB company

SIRE REFERENCE FOR KOONWARRA 2004 ON-PROPERTY RAM SALE

<i>SIRE</i>	<i>BREEDING BACKGROUND</i>
KWA 7.49	KWA 7.49 X KWA 3.21 (YOUNG SAM) X 7.14 (SAM) X KWA V5 X UNIFORM
KWA 8.186	KWA 8.186 (ANDRE) X KWA 7.49 X KWA 3.21 (YOUNG SAM) X 7.14 (SAM) X KWA V5 X UNIFORM – TOP PRICED RAM 2000 ON PROPERTY RAM SALE \$16,000
MER 836 (BG)	MERRYVILLE 836 (BG) X MERRYVILLE GRAND MONARCH
KWA 0.52	KWA 0.52 X KWA 7.49 X KWA 3.21 (YOUNG SAM)
GREEN TAGS	KWA 7.78 X KWA 4.13 X KWA GEM SYNDICATE X MERRYVILLE FAMILY. RESERVE CHAMPION FINE WOOL RAM SYDNEY ROYAL SHOW 1999.
GREEN TAGS	SP/MEDIUM X KWA SPECIAL STUD MEDIUM WOOL SYNDICATE RAMS
GREEN TAGS	GEN/STUD X KWA GENERAL SYNDICATE RAMS
GREEN TAGS	SP/MAIDENS X KWA SPECIAL STUD SYNDICATE RAMS

Fleece Testing Definitions

FD Fibre Diameter:

The mean (average) micron result of a sample.

SD Standard Deviation:

Measures in Microns the spread of fibres either side of the mean FD in which 68% (two thirds) of the fibres lie. The lower the SD the more uniform the wool.

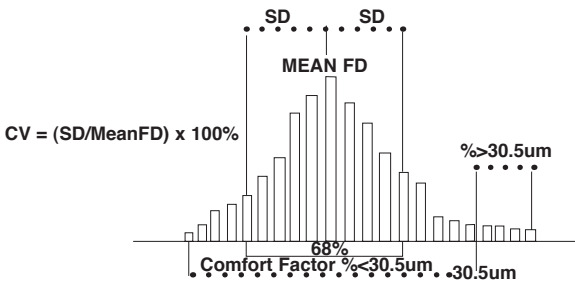
CV Coefficient of Variation:

The CV is the SD divided by the mean FD x 100. CV measures the FD variability as a percentage. CV tends to fall in the range of 15% to 30%, 15% is a very uniform wool, while 30% is highly variable wool.

CF Comfort Factor:

Measures the percentage of fibres below 30.5 microns. Calculated as 100 minus % of fibres below 30.5um.

$$CV = (SD/MEAN FD) \times 100\%$$



SF Spinning Fineness:

Calculated using mean FD and CV to determine an “effective” fineness. This figure gives a measure of spinning performance for wools of any particular micron the spinning performance decreases as the CV increases.

CURV Curvature:

Measures how rapidly a fibre bends along an average standard short length of the fibre. Expressed as degrees of curve per millimetre of fibre (deg/mm). Curvature measurements usually range between 70 and 150 deg/mm. Curvature strongly relates to crimp frequency. High curvature/ High crimp frequency, Low curvature/Low crimp frequency.

LOTS 1-70

Lot No.	Tag	Sire	Micron	Spin Mic.	S.D.	CV%	CF%	Curv.
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* Wool results conducted by Australian Wool Testing Authority. Measurement of Curvature varies to that of RWT.

1	3-017	8.186	19.00	17.60	2.80	14.70	99.90	63.00*
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PURCHASER

COMMENT

2	3-051	0.52	19.80	18.30	2.90	14.60	99.80	47.00*
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PURCHASER

COMMENT

3	3-024	BG	18.80	17.50	2.90	15.40	99.80	58.00*
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PURCHASER

COMMENT

4	3-309	SP/MEDIUM	18.68	17.74	3.36	18.18	99.30	88.03
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PURCHASER

COMMENT

5	3-203	7.78	17.25	16.79	3.62	20.93	99.10	98.65
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PURCHASER

COMMENT

6	3-158	7.78	19.30	18.76	4.01	20.73	99.10	97.50
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PURCHASER

COMMENT

7	3-572	GEN/STUD	19.32	18.48	3.64	18.65	98.90	92.98
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PURCHASER

COMMENT

Lot No.	Tag	Sire	Micron	Spin Mic.	S.D.	CV%	CF%	Curv.
8	3-178	7.78	19.44	18.19	3.10	15.98	99.30	102.26
PURCHASER								
COMMENT								
9	3-544	GEN/STUD	19.75	19.20	4.11	20.71	98.00	86.83
PURCHASER								
COMMENT								
10	3-644	GEN/STUD	19.82	18.82	3.56	18.18	99.00	95.30
PURCHASER								
COMMENT								
11	3-142	7.78	18.52	17.69	3.46	18.92	99.00	88.24
PURCHASER								
COMMENT								
12	R/3-14	BG	18.12	16.97	2.92	16.02	99.30	100.53
PURCHASER								
COMMENT								
13	3-189	7.78	20.06	19.26	3.89	19.40	99.20	96.01
PURCHASER								
COMMENT								
14	3-576	GEN/STUD	19.12	18.09	3.35	17.28	99.10	92.62
PURCHASER								
COMMENT								

Lot No.	Tag	Sire	Micron	Spin Mic.	S.D.	CV%	CF%	Curv.
15	P/3-10	8.186	19.22	18.23	3.42	17.71	99.40	101.41
PURCHASER								
COMMENT								
16	3-582	GEN/STUD	21.08	20.37	4.25	20.38	98.60	99.44
PURCHASER								
COMMENT								
17	3-354	SP/MEDIUM	20.17	19.12	3.57	17.82	98.80	94.35
PURCHASER								
COMMENT								
18	3-112	7.78	21.00	19.80	3.58	17.14	98.30	104.95
PURCHASER								
COMMENT								
19	3-685	7.49	16.83	16.21	3.33	19.64	99.20	119.90
PURCHASER								
COMMENT								
20	3-310	SP/MEDIUM	20.26	19.26	3.67	18.23	98.60	97.25
PURCHASER								
COMMENT								
21	3-473	GEN/STUD	17.74	16.81	3.14	17.51	99.00	101.09
PURCHASER								
COMMENT								

Lot No.	Tag	Sire	Micron	Spin Mic.	S.D.	CV%	CF%	Curv.
22	3-665	GEN/STUD	20.41	18.99	3.10	15.20	98.90	85.76
PURCHASER								
COMMENT								
23	3-215	SP/MEDIUM	20.40	19.52	3.86	19.12	98.40	98.43
PURCHASER								
COMMENT								
24	3-383	SP/MAIDEN	17.80	16.85	3.12	17.42	99.40	100.16
PURCHASER								
COMMENT								
25	3-301	SP/MEDIUM	21.09	19.97	3.72	17.54	98.70	103.14
PURCHASER								
COMMENT								
26	3-561	GEN/STUD	21.13	20.26	4.06	19.43	97.90	97.24
PURCHASER								
COMMENT								
27	3-422	SP/MAIDEN	18.50	17.66	3.46	18.92	99.00	104.65
PURCHASER								
COMMENT								
28	3-379	SP/MAIDEN	17.96	17.17	3.38	18.89	98.70	108.47
PURCHASER								
COMMENT								

Lot No.	Tag	Sire	Micron	Spin Mic.	S.D.	CV%	CF%	Curv.
29	3-391	SP/MAIDEN	17.38	16.34	2.89	16.67	99.50	98.97
PURCHASER								
COMMENT								
30	3-599	GEN/STUD	21.95	20.57	3.55	15.91	98.70	92.20
PURCHASER								
COMMENT								
31	3-568	GEN/STUD	19.64	18.47	3.27	16.84	99.00	103.46
PURCHASER								
COMMENT								
32	3-185	7.78	20.49	20.11	4.49	21.95	97.20	110.32
PURCHASER								
COMMENT								
33	3-194	7.78	20.21	19.05	3.44	16.83	99.10	91.84
PURCHASER								
COMMENT								
34	3-206	7.78	16.87	16.20	3.26	19.53	99.80	114.27
PURCHASER								
COMMENT								
35	3-638	GEN/STUD	19.93	18.94	3.60	18.09	99.10	106.58
PURCHASER								
COMMENT								

Lot No.	Tag	Sire	Micron	Spin Mic.	S.D.	CV%	CF%	Curv.
36	3-636	GEN/STUD	18.70	17.64	3.19	17.11	99.40	95.57
PURCHASER								
COMMENT								
37	3-677	GEN/STUD	20.06	18.77	3.21	15.92	99.70	84.92
PURCHASER								
COMMENT								
38	3-449	SP/MAIDEN	19.99	18.40	2.71	13.50	99.50	102.48
PURCHASER								
COMMENT								
39	3-368	SP/MAIDEN	20.32	18.95	3.14	15.27	98.90	92.21
PURCHASER								
COMMENT								
40	3-479	GEN/STUD	20.83	19.94	3.96	19.23	97.70	92.64
PURCHASER								
COMMENT								
41	3-433	SP/MAIDEN	18.92	18.12	3.60	19.05	99.00	102.41
PURCHASER								
COMMENT								
42	P/3-43	0.52	20.36	19.35	3.67	18.14	98.90	101.50
PURCHASER								
COMMENT								

Lot No.	Tag	Sire	Micron	Spin Mic.	S.D.	CV%	CF%	Curv.
43	3-103	7.78	17.22	16.86	3.73	21.51	99.00	117.01
PURCHASER								
COMMENT								
44	3-303	SP/MEDIUM	20.11	18.86	3.27	16.42	99.20	108.88
PURCHASER								
COMMENT								
45	3-387	SP/MAIDEN	20.14	18.74	3.06	15.42	99.20	102.21
PURCHASER								
COMMENT								
46	P/3-7	8.186	19.32	18.35	3.48	18.13	99.50	100.78
PURCHASER								
COMMENT								
47	P/3-25	8.186	20.18	19.19	3.67	18.32	98.50	94.66
PURCHASER								
COMMENT								
48	3-501	GEN/STUD	19.36	18.66	3.83	19.59	99.10	94.23
PURCHASER								
COMMENT								
49	3-485	GEN/STUD	21.44	19.95	3.26	15.42	99.00	96.21
PURCHASER								
COMMENT								

Lot No.	Tag	Sire	Micron	Spin Mic.	S.D.	CV%	CF%	Curv.
50	3-659	GEN/STUD	19.40	18.43	3.49	18.04	99.10	107.62
PURCHASER								
COMMENT								
51	3-300	SP/MEDIUM	19.28	18.79	4.07	21.24	98.90	100.99
PURCHASER								
COMMENT								
52	3-180	7.78	18.79	18.06	3.66	19.68	99.10	103.65
PURCHASER								
COMMENT								
53	3-138	7.78	20.63	19.62	3.75	17.96	98.30	103.78
PURCHASER								
COMMENT								
54	3-157	7.78	19.64	18.65	3.53	17.86	99.20	96.84
PURCHASER								
COMMENT								
55	P/3-20	8.186	18.36	17.78	3.75	20.11	99.00	100.53
PURCHASER								
COMMENT								
56	3-134	7.78	19.93	18.78	3.38	17.09	98.80	96.01
PURCHASER								
COMMENT								

Lot No.	Tag	Sire	Micron	Spin Mic.	S.D.	CV%	CF%	Curv.
57	3-286	SP/MEDIUM	19.15	17.83	2.93	15.18	99.40	116.60
PURCHASER								
COMMENT								
58	3-361	SP/MEDIUM	20.29	19.52	3.99	19.70	98.10	101.79
PURCHASER								
COMMENT								
59	3-569	GEN/STUD	20.09	19.42	4.06	20.40	97.80	99.73
PURCHASER								
COMMENT								
60	3-355	SP/MEDIUM	19.52	18.40	3.32	16.92	99.00	94.98
PURCHASER								
COMMENT								
61	R/3-10	BG	18.61	17.58	3.21	17.20	99.40	103.29
PURCHASER								
COMMENT								
62	G/3-61	8.186	17.97	17.11	3.30	18.33	99.30	109.23
PURCHASER								
COMMENT								
63	3-116	7.78	18.54	17.81	3.60	19.46	98.90	92.20
PURCHASER								
COMMENT								

Lot No.	Tag	Sire	Micron	Spin Mic.	S.D.	CV%	CF%	Curv.
64	3-155	7.78	18.01	17.65	3.93	21.67	99.10	98.31
PURCHASER								
COMMENT								
65	3-628	GEN/STUD	18.11	18.12	4.36	24.31	97.90	91.92
PURCHASER								
COMMENT								
66	3-111	7.78	18.66	18.12	3.87	20.86	99.10	102.87
PURCHASER								
COMMENT								
67	3-188	7.78	17.39	17.36	4.14	23.56	99.20	112.83
PURCHASER								
COMMENT								
68	3-113	7.78	17.72	16.63	2.91	16.38	99.40	102.84
PURCHASER								
COMMENT								
69	3-370	SP/MAIDEN	18.54	17.50	3.18	17.30	99.50	91.18
PURCHASER								
COMMENT								
70	R/3-17	BG	20.48	18.97	2.98	14.63	99.70	98.76
PURCHASER								
COMMENT								

NOTES

NOTES

BUYER'S INSTRUCTION SLIP

(to be handed to Delivery Agent)

Name:.....

Address:.....

Phone Number:.....

Lot No.	Price	Lot No.	Price

Account to:.....

Delivery Instructions:.....

Insurance for:.....

Buyer's Name:.....

No Verbal instructions will be accepted