



2020 ROMA DROUGHTMASTER BULL SALE

Supplementary Information

Understanding Veterinary Bull Breeding Soundness Evaluation (VBBSE) Reports by the Australian Cattle Vets (ACV)
Terms and Conditions of the sale are available in the sale catalogue or www.droughtmaster.com.au

General

A VBBSE generally includes an evaluation of the feet, legs, scrotum and other structural aspects in the Physical section. Crush-side assessment of semen motility is compulsory and laboratory evaluation of Sperm Morphology is optional but results must be declared if tested. If a bull records a "Q" for semen motility (crush-side) it is excluded from the sale unless the bull passes a morphology test.

Scrotum and Physical

ACV standards for Scrotum are the scrotal contents are normal on palpation, and that scrotal size is within normal ranges for the breed, age, and nutrition of the bull.

The standards for Physical require compulsory assessment of eight components. If a bull is noted to fail on any of these, he fails this category.

Report Indicators

Tick = Pass: All attributes for this component measured were consistent with the ACV standards. No risk factors for reduced fertility were identified during this part of the VBBSE examination.

Q = Qualified: Not all attributes for this component were consistent with the ACV standards but these abnormalities may not necessarily preclude the bulls use. A further comment is provided on the individual animal VBBSE certificate.

The standards for Crush-side Semen and Sperm Morphology

Crush-side Semen evaluation and laboratory evaluation of Sperm Morphology are strong indicators of whether a bull is fertile or sub-fertile. If a physically-normal bull is rated as having passed these evaluations, he is expected to be fertile, i.e., if mated, he can impregnate (pregnant at day 42 of gestation) by natural service at least 60% and 90% of 50 normal, cycling, disease-free females within 3 and 9 weeks, respectively.

The ACV has 2 pass levels for crush-side semen evaluation. The highest level - Tick – indicates that the bull is fertile with 60% or higher progressively forward motile sperm. Further, it is very likely that the semen of this bull will be fertile after freezing. The lower level ("Q") was introduced to indicate that a bull may be fertile under natural mating, but it is likely his semen is not suitable for freezing. The Q level is given to bulls with between 30% and 59% motile sperm in a crush-side semen evaluation.

Bulls have to pass thresholds for eight Sperm Morphology categories and achieve 70% or higher normal sperm, as assessed by a sperm morphologist, to gain a Tick for Morphology. A "Q" for Morphology means the bull doesn't meet all the criteria for a Tick and that some risks have been identified which may impact the bull's fertility in the short or long term. The veterinarian conducting the test will provide an explanation of these risks in the comments section.

It is possible that physically normal, Q-level bulls (and especially those close to the lower threshold) may be shown to be less than fully fertile when mated. Such bulls are acceptable under multiple-sire mating, but veterinary advice should be considered before single-sire mating of such bulls.

Bulls in the Droughtmaster catalogue with semen motility in the Q category are required to have passed a semen morphology test prior to acceptance in the sale.

Changes in semen quality in sexually-mature bulls

Once bulls are sexually mature and producing satisfactory quality ejaculates, testes function is relatively stable, ie, if the bull is tested 3 months prior to sale and passes a semen evaluation, then, if managed under the same conditions without experiencing conditions that cause problems with function of the testes, there is a high probability (based on research done in northern Australia) that if tested again on the day of sale it would produce an ejaculate containing a similar proportion of normal sperm. If a bull experiences trauma, fever, inflammation, fat insulation or stress, that are sufficient to impair sperm formation and maturation, semen quality may be affected within days and may persist for several months.

It takes about 60 days for a sperm cell to develop and then a further 10 days for it to mature and be available for ejaculation. Therefore, a sperm quality assessment reflects function of the testes in the preceding 70 – 80 days. Conversely, if a bull experiences problems such as trauma, fever, inflammation, fat insulation or stress, which are sufficient to impair sperm formation, he may produce effective ejaculates for at least 2 months.

If a bull has passed a semen evaluation, and does suffer an event that causes temporary sub-fertility, it is most likely that fertility will be restored once the bull is returned to sound stable management.

Dentition

The dentition reported in the Supplementary Sheet is relevant to the date of the veterinary inspection which may be performed up to 42 days prior to the sale.

There is evidence that the time taken from emergence to fully erupted of a pair of permanent teeth can be as little as 2 weeks, therefore an additional set may have appeared within the allowable inspection window.

ACV Soundness Evaluation – Explanation Codes

Tick in Physical = Pass

Q in Physical = Pass with Qualifications

Tick in Semen = 60% (or greater) Progressively Motile Sperm

NT = Not Tested

Q in Semen = 30 to 59% motile – requires a mandatory morphology test result of >50% Normal Sperm.

ACV Soundness Evaluation Vet Code

- | | | |
|--------------------|---------------------|------------------|
| 1. Ced Wise | 8. Peter Atkinson | 15. Charles Hann |
| 2. Kim Groner | 9. Tim McClymont | 16. Michael Read |
| 3. Adam Wise | 10. Joanne Hanssens | |
| 4. James Staunton | 11. David Thomson | |
| 5. Emily Etheridge | 12. Mac Kneipp | |
| 6. William Roughen | 13. Adam Hayes | |
| 7. Phillip Sharman | 14. Abigail Guthrie | |

Ultrasound Scanner Code

1. Paul Kenny
2. David Reid
3. Lonnie Stone
4. Roger Evans

Registration Status

- 1 – Parental Verified
- 2 – Sire or Dam Verified
- 3 – Registered, may have DNA profile
- 4 – Herd Bull

Pesti Testing

Y – Tested Negative

Pompes Testing

Y – Tested Free

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Disclaimer:-

The descriptions of the animals including their pedigree and other genetic Information has not been verified by the Droughtmaster Stud Breeders' Society Limited, the Sale Committee, Vendors or the Selling Agents, unless stated otherwise. Whilst all care is applied in producing this catalogue, industry experience suggests that up to 4-5% of DNA parent verification tests may have errors. Consequently, the Droughtmaster Stud Breeders' Society Limited, the Sale Committee, Vendors and the Selling Agents and their representative(s) do not assume any responsibility whatsoever for the correctness, use or interpretation of the information on animals included in this sale catalogue.

The Droughtmaster Stud Breeders' Society Limited, the Sale Committee, Vendors and the Selling Agents make no warranties about the animals in relation to disease, ailments or genetic disorders.

National Bull Sale Supplementary Sheet

National Bull Sale Supplementary Sheet																		
Lot	Age	Horn Status	ACV Soundness Evaluation						Ultrasound						JBAS Score	Registration Status	Pompe tested neg	Pesti tested neg
			Dentition	Scrotal	Physical	Semen	Morphology	Vet Code	Weight (S=)	P8 Fat	Rib Fat	EMA	IMF %	Scanner Code				
BOILING SPRINGS - AJ & SJ Wenham & Family																		
1	26 Mths	P	2	39	✓	✓	NT	2	740	11	7	131	4.8	2	7WA	2	Y	
2	22 Mths	P	2	38	✓	✓	NT	2	707	13	8	122	5.3	2	7WA	2	Y	
3	23 Mths	P	2	38	✓	✓	NT	2	725	11	8	124	5.6	2	7WA	3	Y	
CLAYFIELD - J Allan																		
4	25 Mths	P	4	38.5	✓	✓	NT	16	780	10	6	131	4.5	5	6	2	Y	Y
5	Withdrawn																	
6	28 Mths	S	4	39	✓	✓	NT	16	840	13	7	134	4.6	5	6	2	Y	Y
7	24 Mths	S	4	36	✓	✓	NT	16	762	10	5	126	5.1	5	6	2	Y	Y
HEITIKI - JS & MA & TS Lloyd																		
8	25 Mths	PH	2	39	✓	✓	Q	15	810	11	7	136	5.6	2	7	2	Y	
9	Withdrawn																	
10	23 Mths	P	0	41	✓	✓	✓	15	715	9	7	130	4.1	2	7	3	Y	
GLENN VALLEY - DG & AL Schloss																		
11	26 Mths	PH	2	36	✓	✓	NT	3	770	13	9	142	4.8	2	7	3	Y	Y
12	23 Mths	PH	0	44	✓	✓	NT	3	738	11	8	128	4	2	7	3	Y	Y
13	23 Mths	PH	2	38	✓	✓	NT	3	704	13	10	133	4.4	2	7	3	Y	Y
14	24 Mths	PH	0	38	✓	✓	NT	3	670	14	10	136	4.2	2	7	3	Y	Y
WINDY GULLY - AJ & SA Irwin																		
15	25 Mths	PP	0	37	✓	✓	✓	2	752	13	8	125	4.7	2	7WA	2	Y	Y
16	27 Mths	P	2	38	✓	✓	✓	2	736	11	7	126	5.1	2	7WA	3	Y	Y
KARON - Ron Pollock																		
17	25 Mths	PH	0	36	✓	✓	NT	14	710	10	6	120	4.7	2	7	3	Y	
CARLTON - Robert & Kerri-Ann Pollock																		
18	Withdrawn																	
19	26 Mths	PH	0	40	✓	✓	NT	14	750	13	8	127	5.7	2	7	2	Y	
20	Withdrawn																	
21	Withdrawn																	
CALCO - Calco Droughtmasters, ELJAY - L Farquhar																		
22	22 Mths	PP	0	38	✓	✓	✓	13	808	11	7	138	4.6	2		2	Y	
23	24 Mths	PP	0	35	✓	✓	✓	13	730	8	6	118	4.1	2		2	Y	
24	Withdrawn																	
25	Withdrawn																	
WILDEST DREAMS - Wildest Dreams Droughtmasters																		
26	Withdrawn																	
CRIBRUM - Cribrum Pastoral Co																		
27	Withdrawn																	
28	Withdrawn																	
COOLIBAH - PJ & CE Mailer																		
29	25 Mths	P	2	42	✓	✓	NT	12	870	10	7	134	4.6	2	7	3		
30	24 Mths	P	2	43	✓	✓	NT	12	858	15	10	133	4.3	2	7	3		
31	24 Mths	P	2	38	✓	✓	NT	12	774	11	7	124	4.4	2	7	3		
SMITHY'S - Smithy's Droughtmaster																		
32	23 Mths	HH	0	35.5	✓	✓	NT	11	781	16	11	129	4.8	3	7	1	Y	Y
33	Withdrawn																	
HEITIKI - JS & MA & TS Lloyd																		
34	26 Mths	PH	2	41	✓	✓	✓	15	865	10	8	142	5.2	2	7	3	Y	Y
35	Withdrawn																	

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Lot	Age	Horn Status	ACV Soundness Evaluation							Ultrasound							Registration Status	Pompe tested neg	Pesti tested neg
			Dentition	Scrotal	Physical	Semen	Morphology	Vet Code	Weight (S=)	P8 Fat	Rib Fat	EMA	IMF %	Scanner Code	JBAS Score				
KARRAGARRA - York Cattle Company Pty Ltd																			
36	23 Mths	P	0	40	✓	✓	NT	4	842	12	9	144	6.3	2	7	2			
37	22 Mths	P	0	38	✓	✓	NT	4	808	12	8	134	4.6	2	7	2			
38	23 Mths	P	2	39	✓	✓	NT	4	826	11	8	145	6.2	2	7	2			
39	21 Mths	P	0	35.5	✓	✓	NT	4	774	14	10	140	4.8	2	7	2			
40	22 Mths	PP	0	38	✓	✓	NT	4	812	13	10	137	4.2	2	7	2			
41	22 Mths	PP	0	42	✓	✓	NT	4	844	12	10	134	5.7	2	7	2			
42	23 Mths	P	2	40	✓	✓	NT	4	812	11	8	134	4.6	2	7	2			
43	22 Mths	P	0	42	✓	✓	NT	4	848	14	11	136	5.3	2	7	2			
44	23 Mths	P	2	38	✓	✓	NT	4	728	12	8	138	4.5	2	7	4			
45	22 Mths	P	2	38	✓	✓	NT	4	758	10	7	138	3.8	2	7	2			
46	Withdrawn																		
47	22 Mths	P	0	36	✓	✓	NT	4	772	13	10	140	3.8	2	7	2			
48	21 Mths	PP	0	41	✓	✓	NT	4	766	11	7	144	4.2	2	7	2			
49	21 Mths	PP	0	36	✓	✓	NT	4	756	9	7	140	5.2	2	7	2			
S6 - George Smith																			
50	Withdrawn																		
51	Withdrawn																		
GEN Y - Emma Warne																			
52	26 Mths	PH	0	40.5	✓	✓	NT	7	892	10	7	138	4.5	3	6	3	Y	Y	
53	27 Mths	PP	0	35	✓	✓	NT	7	796	8	6	141	3.8	3	6	3	Y	Y	
54	Withdrawn																		
55	Withdrawn																		
56	Withdrawn																		
3D - KA & SE Terry																			
57	Withdrawn																		
58	26 Mths	PP	0	36.5	✓	✓	✓	6	817	10	8	136	5.1	2	7WA	2	Y		
WALLACE VALE - R & J Underwood, EVERSLEIGH - Underwood Grazing Co																			
59	26 Mths	PP	2	42	✓	✓	✓	9	994	10	7	133	3.8	2	7	2	Y	Y	
60	Withdrawn																		
61	24 Mths	PP	2	42	✓	✓	Q	9	912	12	10	142	4.6	2	7	3	Y	Y	
62	26 Mths	PH	0	44	✓	✓	✓	9	898	9	6	127	4.8	2	7	2	Y	Y	
63	25 Mths	PH	2	45	✓	✓	✓	9	912	14	10	142	5.7	2	7	2	Y	Y	
64	24 Mths	PH	0	40	✓	✓	✓	9	818	10	7	126	5.2	2	7	2	Y	Y	
65	Withdrawn																		
66	22 Mths	PP	0	40	✓	✓	✓	9	816	15	9	132	4.6	2	7	2	Y	Y	
67	24 Mths	PH	2	43	✓	✓	✓	9	842	9	7	137	4.2	2	7	2	Y	Y	
68	24 Mths	PH	0	37	✓	✓	✓	9	790	14	12	125	4.7	2	7	2	Y	Y	
YACKATOON - Yackatoon Grazing Co.																			
69	25 Mths	PP	2	39	✓	✓	NT	1	713	7	5	124	4.2	2	7	2	Y		
70	24 Mths	PH	0	34	✓	✓	NT	1	775	12	7	126	4.3	2	7	2	Y		
71	21 Mths	PP	0	33	✓	✓	NT	1	669	7	6	124	3.8	2	7	2	Y		
72	22 Mths	PP	0	41	✓	✓	NT	1	725	11	8	133	4.7	2	7	2	Y		
73	Withdrawn																		
74	23 Mths	PH	0	34	✓	✓	NT	1	650	8	6	116	5.2	2	7	2	Y		
75	23 Mths	PH	0	43	✓	✓	NT	1	701	9	6	120	3.8	2	7	2	Y		
76	22 Mths	PP	0	34	✓	✓	NT	1	713	9	7	125	4.7	2	7	2	Y		

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			Dentition	Scrotal	Physical	Semen	Morphology	Vet Code	Weight (S=)	P8 Fat	Rib Fat	EMA	IMF %	Scanner Code	JBAS Score				
MAJOR - Major Droughtmasters																			
77	Withdrawn																		
78	Withdrawn																		
79	23 Mths	PP	0	36.5	✓	✓	✓	8	810	14	10	140	5	2	7	3	Y		
DALMALLY - Dalmally Grazing Co																			
80	23 Mths	PH	0	35	✓	✓	NT	14	755	12	8	122	6.1	2	7	3	Y	Y	
81	22 Mths	PH	0	36	✓	✓	NT	14	715	13	9	122	5.3	2	7	2	Y	Y	
82	23 Mths	PH	0	38	✓	✓	NT	14	860	11	7	143	4.3	2	7	3	Y	Y	
83	23 Mths	PH	0	41	✓	✓	NT	14	825	9	6	131	4.2	2	7	3	Y	Y	
CONDAMINE - DJ & GM Kroll																			
84	36 Mths	P	4	46	✓	✓	NT	5	1125	16	12	147	5.2	2	6	3			
85	21 Mths	P	0	37	✓	✓	NT	5	698	14	10	124	5.3	2	6	3			
86	22 Mths	P	0	36.5	✓	✓	NT	5	714	11	7	123	4.8	2	6	3			
87	20 Mths	P	0	33	✓	✓	NT	5	700	10	7	125	4.4	2	6	3			
WALM -LEY - D & S Walmsley																			
88	25 Mths	P	0	44	✓	✓	NT	10	815	13	10	131	4.7	2	7WA	3			
89	24 Mths	P	2	44	✓	✓	NT	10	830	16	10	136	5.5	2	7WA	3			
90	Withdrawn																		
91	26 Mths	P	0	39	✓	✓	NT	10	720	9	7	121	5.1	2	7WA	3			
92	26 Mths	P	2	42	✓	✓	NT	10	784	11	8	132	4	2	7WA	3			
OAKMORE - S Harms																			
93	28 Mths	PH	0	36	✓	✓	NT	3	920	12	9	140	5.1	2	7	2	Y	Y	
94	28 Mths	PP	2	34	✓	✓	NT	3	842	11	8	128	6.2	2	7	2	Y	Y	
95	23 Mths	PH	0	36	✓	✓	NT	3	765	12	9	120	4.4	2	7	2	Y	Y	
96	23 Mths	PP	0	34	✓	✓	NT	3	731	9	7	125	5.4	2	7	2	Y	Y	
97	22 Mths	PP	0	36	✓	✓	NT	3	765	13	9	121	6.3	2	7	2	Y	Y	
98	31 Mths	PP	2	39	✓	✓	NT	3	903	13	10	130	6.3	2	7	2	Y	Y	
CEDAR SPRINGS - PJ & WE Carter & Sons																			
99	28 Mths	PP	2	36	✓	✓	✓	7	814	12	9	138	4.4	3	7	3	Y	Y	
100	25 Mths	PP	2	34	✓	✓	✓	7	774	13	11	128	5.3	3	7	3	Y	Y	
101	25 Mths	PP	2	36	✓	✓	✓	7	748	11	7	121	5.9	3	7	3	Y	Y	
102	Withdrawn																		
SEVENELL - LR & LJ Philp, IL Hayes																			
103	28 Mths	P	2	45	✓	✓	✓	7WA	831	12	9	135	5.1	1	7WA	3	Y		
104	25 Mths	P	0	43	✓	✓	✓	7WA	780	13	10	130	5.1	1	7WA	4	Y		
105	24 Mths	P	2	41	✓	✓	NT	7WA	836	13	11	132	5.4	1	7WA	2	Y		
LYNSEY PARK - LR & LJ Philp																			
106	25 Mths	P	0	39	✓	✓	✓	7WA	776	13	10	126	5.1	1	7WA	3	Y		
107	23 Mths	P	0	45	✓	Q	✓	7WA	756	11	10	131	4.8	1	7WA	4	Y		
WYNWOOD - JTG Irwin & Sons																			
108	Withdrawn																		
109	24 Mths	PP	0	37	✓	✓	✓	2	742	10	7	133	4.2	2	7WA	2	Y	Y	
110	23 Mths	PH	0	34	✓	✓	✓	2	724	12	9	120	4.6	2	7WA	2	Y	Y	
JEMBRAE - BW & LJ Warne																			
111	27 Mths	PP	2	42.5	✓	✓	NT	7	898	14	10	141	5	3	6	3	Y	Y	
112	23 Mths	PP	2	38	✓	✓	NT	7	810	8	6	133	3.8	3	6	3	Y	Y	
113	25 Mths	PP	2	38.5	✓	✓	NT	7	885	16	11	128	7.2	3	6	3	Y	Y	
114	27 Mths	PP	2	41.5	✓	✓	NT	7	951	13	8	137	5.2	3	6	3	Y	Y	
115	Withdrawn																		
116	27 Mths	PH	2	41	Q	✓	NT	7	783	7	5	134	4.7	3	6	3	Y	Y	

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			Dentition	Scrotal	Physical	Semen	Morphology	Vet Code	Weight (S =	P8 Fat	Rib Fat	EMA	IMF %	Scanner Code	JBAS Score				
117	25 Mths	PH	2	39.5	✓	✓	NT	7	821	11	9	137	4.9	3	6	3	Y	Y	
118	Withdrawn																		
119	25 Mths	HH	2	37	✓	✓	NT	7	792	15	10	130	6.1	3	6	3	Y	Y	
VET SCHOOL - University of Queensland																			
120	26 Mths	PH	0	41	✓	✓	✓	3	826	13	10	133	4.9	1	7	2	Y	Y	
121	Withdrawn																		
122	26 Mths	PP	2	45	✓	✓	✓	3	908	15	13	134	5.8	1	7	2	Y	Y	
123	26 Mths	PH	0	39	✓	✓	✓	3	820	14	13	134	5.7	1	7	2	Y	Y	
124	23 Mths	PP	0	36	✓	✓	✓	3	772	13	12	131	5.5	1	7	2	Y	Y	