



2018 ANGUS JOURNAL

THE BEST RED & BLACK ANGUS



**RCM 1318 Suré. Senior en Groot
Kampioen Vroulik**



veilings:

ANGUS ALLIANCE:

Bothaville,
15 Augustus 2018

MALHERBE & ROBERTS:

Hertzogville,
26 September 2018

ROECHAMA

Nasionale Kampioene 2018.



**RCM 1504 (Honey 04), Junior en Reserwe
Groot Kampioen Vroulik**



RCM 15202 (Honey 202), Kampioen Verskalf

Gert, RC & André Malherbe
082 807 9216 | 084 851 8262
Posbus 208, Hertzogville, 9482

photos by
Jan van Dyk & Wayne Southwood

Besoek webwerf by

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MEQUATLING ROOI EN SWART ANGUS JAARLIKSE VEILING

DONDERDAG 19 JULIE 2018,
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*"WHY SETTLE FOR LESS,
WHEN YOU CAN HAVE THE BEST!"*



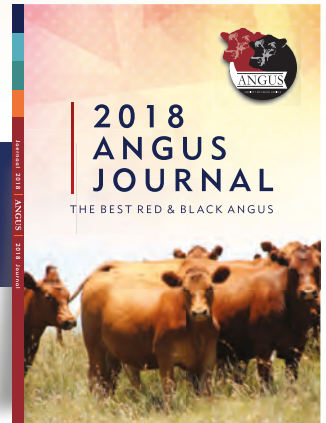
INHOUD | CONTENTS

2	Inhoud Contents
7	A Word from the Chairman
9	Editor's note & Council 2017/2018
13	From the Breed Director
16	2017 National Centenary Championship show
27	National Centenary Prizegiving 2017
34	Sale of Champions
38	2017 Jaarlikse Prysuitdeling & Aandete
42	Vleis vanaf die veld
50	Clinomics Angus Judges Symposium
53	Single Step Genomic Breeding Values
58	AGRI-EXPO 2017
61	Ultrasoniese karkas skandeing van vleisbeeste
66	The Voyage of the Bulls
72	Ananiël Landgoed
78	Nismarkte
82	Hinterland Nasionale Interraskompetisie
85	People's Choice Beef Challenge
86	Genomics: Cutting-edge technology for age-old challenges
88	Graded Beef
92	Angus Carcass Traits
96	Swartlandskou 2017

99	World Angus Forum Scotland 2017
104	Hertzogville 2018
108	ARC National Beef performers awards
113	Afrigus. Form follows function!
116	Angus Members List Angus Ledelys
120	Afrigus Members List Afrigus Ledelys

Rooi Anguskoeie van
Maluti Angus.
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26	De Panne Angus
31	Angus Pioniers
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36	Lovu Red Angus
37	Bodeel Angus
	Groote Post
41	Maluti Angus
46,47	Joyce's Angus

48	Hide-A-Way's Angus
49	Clinomics
52	CRV XSEED
56	Spoor Angus
	Sparta & Woodview Angus
57	Syferpan Angus
60	Netherwood Angus
65	Waterkloof Rooi Angus
69	Holvlei Angus
70	Kwa-Zulu Natal Angus Club
71	Bar A & Tashinga Angus
76	Rheeboksplaas Angus
77	Geluksbron Angus
81	Boschendal Black Angus
83	Roechama Angus
84	Milagro Angus
91	Sparta & Woodview Angus
95	Taurus Evolution
97	De Panne & Spoor Angus
98	Meadowbrook Angus
102	Dunedin Angus

103	Onbedacht Angus
105	Gannapan Angus
106	Lael Angus
107	Foleshill Angus
	Sid Knott Angus
110	Bungaree Red Angus
	Macey Afrigus
111	Transgariep Angus & Afrigus
112	Victorio Angus & Afrigus
114	Aucdeen Angus
115	Bona Bona Angus

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MEQUATLING RED AND BLACK

THURSDAY 20TH JULY 2018

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- PAST FREE STATE FARMER OF THE YEAR.

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A WORD FROM THE CHAIRMAN

SA ANGUS - WHAT DO WE DO?

The next two years in the history of our beautiful country are going to be remembered as two of the most difficult and uncertain years in agriculture. Remaining positive about our future and believing in our industry is extremely challenging right now. With all the questions around land and viability of farming in general, it has become very difficult not to be caught in a negative spiral of doubt and insecurity. The challenges that we as farmers are facing are very real and are certainly going to test our character and resilience.

The South African farmer is resilient and used to challenges and trying times, but has always had the ability to overcome whatever obstacles are put in our way. We have always found a way to remain positive and focused on our future. The current political situation is a proverbial stone in our road and we cannot place all our focus and attention on the stone.

Exciting times lie ahead for us in the beef industry. The price of beef, the value of breeding stock and the demand for registered Angus bulls is at an all-



Andrew Masterson

time high. The Angus is the breed that has globally stood the test of time and we need to continually make commercial beef producers aware of the outstanding characteristics of the breed.

I do not believe that there is another breed that can offer the characteristics, such as small calves that grow well, outstanding feed conversion, good mothering ability, polled progeny and hardiness. Angus beef also provides the consumer with an unforgettable taste and tenderness experience at a very affordable price.

As a member of the Angus society it is your responsibility to make beef producers and consumers aware of the value of Angus. Angus is the total package!

The society needs the support of every member to ensure that we can offer a service of value. Members need to pay their accounts punctually to ensure that the society meets its obligations towards fellow members.

During the last year the Angus breed has received much exposure in all forms of the media and as breeders of registered Angus cattle we need to make sure that we benefit from all the opportunities that this exposure has created. You have to market the Angus breed and the Angus brand at every opportunity.

We have a lot to be grateful for. Let us remain focused and positive about the future, because being positive is the unmistakable mark of a farmer.

Best wishes

Andrew

We have a lot to be grateful for. Let us remain focused and positive about the future, because being positive is the unmistakable mark of a farmer.



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South Africa's first choice
for world class genetics.



Contact Brian Angus on 082 573 9687 or office@woodview.co.za

editor's NOTE

Hoe kry ek my lewe betydsklaar geleef in die klein bestek vir my beskik, as die ure nou tot sekondes slink en *wik-wik-wik-wik* my hart en die wekkers elke dag elke nag bietjie vinniger tik?

(Ina Rousseau; Keerderatum)

Met elke dag se beplanning en gehaas om take betyds afgehandel te kry en binne sperdatums te bly, voel dit soms vir my of ons, ons lewens afjaag en omwens.

My wish is, that those of you that have the time to pick up this Angus Journal, will take enough time to celebrate the achievements of our breeders and our wonderful breed, and to enjoy each photo, advertisement and article, that were important enough for someone, to spent time on.

Our Angus breeders can be proud of their achievements this past centenary year, the Angus breed has done very well in various agricultural shows and events. We have tried to include as many of them as possible in this publication.



Linette van Niekerk

Met die samestelling van hierdie Joernaal is daar ook baie klem geplaas op die kommersiële kant van die vleisbedryf – met die Angus se vleiskwaliteit wat steeds die onderskeidende karaktereenskap is, wanneer dit met ander rolspeleers vergelyk word. Baie dankie aan almal wat bygedra het tot die 2018 Angus Joernaal. ■

Front: Lexie Gradwell (Afrigus Klub),
John Boulle (Breed Director SA Angus),
Andrew Masterson (Chairman),
RC Malherbe (Vice-Chairman)

Back: Jannie Kotzé (Additional council member),
Piet Delpert (Additional council member),
Kevin Miles (Eastern Cape),
Basie Bezuidenhout (Southern & Western Cape),
Chrisjan du Toit (Mpumalanga, Limpopo & Gauteng),
Kevin Culverwell (Kwazulu Natal),
MJ Ernst (Northern Cape & North West),
Linette van Niekerk (SA Angus)



SA Angus Council 2017/2018

MaKoJaLo

ANGUS



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Genetics in Action

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ANGUS



We invite you to our "Makojalo and Friends" auction on 29 August 2018

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FROM THE BREED DIRECTOR

“Transforming the Angus brand where we must build on the past to reach an even greater future.”



John Boule



It follows that another challenge for us is to accredit and certify all localised SA Angus Beef production, slaughter and sales facilities, thereby ensuring maintenance of the standards for the registered trademark and allows for independent audit by SAMIC for ratification. There is currently no other registered beef brand being sold nationally which lays an open field for our registered product.

The next challenge is to develop a marketing chain of hormone- and additive-free Angus carcasses being slaughtered at an older age, a heavier weight where there is more marbling presenting a greater tasting eating experience to the consumer. This chain would reward the primary (calf) producer as well as the smaller feedlot operator in producing a quality product even if it is on the periphery of the current grading system.

Such a move would ensure that SA Angus Beef is positively differentiated. This needs to be communicated electronically to the housewife, who is the principal buyer of meat. This would ensure we reach a larger, new more sophisticated market.

In transforming our breed and repositioning the Angus brand as a primary producer of quality beef, we will continue to be the market leader of beef breeds using innovative marketing methods and will attain our target of 1 000 Angus bulls sold in 2019. ■

2018 is a watershed year. Angus SA enters a new

millennia and on the 15th February Cyril Ramaphosa was elected the 5th President of South Africa. Change has swept across our country and there lie many daunting challenges ahead which the Angus breed can certainly use to its benefit.

In order to do so, the Society and its members have to ask themselves where they want to be positioned the cattle industry in the next 5, 10, 20 and 50 years? Will our product of both breeding and slaughter stock meet the demands of a more discerning market in these years to come? We must transform ourselves to meet the challenges ahead and that can only happen by constant interaction with Angus customers, the cattle buyers and the end-user (housewife).

It is important to state where we have come from in order to plot the way forward. The following table illustrates the Angus bull prices for sales held under the auspices of the Society over a 13 year period.

ANGUS BULL PRICES OVER 13 YEAR PERIOD IN SOUTH AFRICA

Year	Number Bulls	Average price per bull in Rands
2004	252	R 13 786
2006	294	R 18 895
2008	410	R 18 247
2010	443	R 21 966
2012	410	R 28 716
2014	442	R 32 259
2016	520	R 31 600
2017	690	R 40 400

Our goal is to sell 1 000 Angus bulls into the market by 2019 which will be achievable if 800 bulls are sold this year-a 15% increase per annum. This would position the Angus breed at 10 % of the commercial bull market. With the existing Angus bulls already in this sector, I estimate that at least 99 000 Angus-sired calves would be available per annum as from 2019-another achievable goal which presents Angus Beef with an opportunity of identification and marketing these calves.

**VJ SENIOR
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bulle jaarliks in Oktober
by die Kroon Angus-
veiling, te Viljoenskroon,
beskikbaar.



Suid-Afrikaanse
Nasionale Reserwe
Bulkalf Kampioen
2017
(Wenspan JK 1521)

Suid-Afrikaanse
Nasionale Reserwe
Junior Kampioen
2017
(Wenspan JK 1403)

Dr. Johan Kahts

082 453 9817 • 056 343 2807 • wenspan.angus@vodamail.co.za

2017 *National Centenary Championship Show*

The cattle transporting trucks rolled into Bloemfontein from the Western Cape on Saturday, 29 March late in the evening. This was in preparation for the forthcoming Angus National Championship judging, one of the highlights of the Centenary celebrations for the Angus Society of South Africa. Cattle which travel from afar (over 1000 km from Moorreesburg to Bloemfontein) have to stand on a moving truck for at least 24 hours. When they arrive in their new surroundings, they require time to rest, relax, feed and drink lots of water. A secret to get cattle to drink water which is not their home-tasting type, is to put the

new-home water together with Coca-Cola in a bucket for them to drink. The sugar in Coke acts as an appetizer. Such cattle need to rest in order to be on their best performance for judging on Thursday 4th May for the Red Angus and Friday 5th May for the Black Angus.

The Society was privileged to have a world-renown Angus judge in Dennis Serhienko from Canada to judge the cattle over a two day period.

The Red Angus totaled 123 in all and it took all day, Thursday, to judge these entries. In some of the classes there were up to 18 entries. The competing breeders came from all over the country (North West, Free State, Southern-

and Western – Cape, Eastern Cape, North Cape and Gauteng), each expecting to receive top honors.

In the Black Angus section, competition was equally tough with 56 entries in all, largely represented by 3 breeders each from the Western Cape and North West, two from the Free State and one each from the Eastern Cape and Gauteng.

An interesting observation on the completion of the show was the equal spread of champions across all provinces – a sure sign of the strength of the breed in our country as well as that of the breeders, also illustrating the depth of cattle in their respective herds. ■

All photos by Jan van Dyk.



ROECHAMA Honey 202, RCM 150202
RC Malherbe & Vennote, Hertzogville



LUSAN LPA 160012, Lusan Premium Angus
Stellenbosch, Estate Manager: Mr. Rudi Buys



ROECHAMA RCM 150004, RC Malherbe & Vennote, Hertzogville
RCM15004 was also the Reserve Grand Champion Female.



WENSPAN JK 140003
Dr. J. Kahts, Viljoenskroon



ROECHAMA SURÈ RCM 130018

RC Malherbe & Vennote, Hertzogville

ROECHAMA SURÈ was also the Grand Champion Female, and Reserve Interbreed Champion, beef and dual purpose cattle, on the Bloem Show. During the Sale of Champions, GROENPUNT Angusstoet van André Markgraaffboerdery, bought a 50% share in her.



WATERVAL ELIZABETH

Owned by Mr. P.F. & H. L. Delport (HIDE-A-WAY'S), Migdol



MAKOJALO KD 151461

Mr. J.P. Delport, Potchefstroom



WENSPAN JK 150021

Dr J. Kahts, Viljoenskroon



MILAGRO NADAL ACM 140041

Andrew Masterson Family Trust, Humansdorp
MILAGRO NADAL was also the Reserve Grand Champion bull.



LUSAN LPA 150021
Lusan Premium Angus, Stellenbosch
Estate manager: Mr. Rudi Buys



WENSPAN RED ROCK JK 130049
Owned by André Markgraaf Boerdery from Kimberley.



LOUMOTTA JOHN DEERE AC 130871

Mr. Loutjie Campher, Venterdorp

LOUMOTTA JOHN DEERE was also Grand Champion bull and awarded the Best Red Angus at the 2017 National Championships.

LOUMOTTA JOHN DEERE also sold for a new record prize of R255 000 during the Sale of Champions.

He was bought by JC Malherbe & Vennote from Hertzogville.



4 Mei Rooi Angus Skouresultate

KLAS PLEK

Klas 1
1 **LUSAN LPA 16012**
2 **HIDE-A-WAY'S PHD 16048**

Klas 2
1 **ROECHAMA RCM 150202**
2 **HIDE-A-WAY'S PHD 16010**
3 **BONISA MJ 15017**
4 **HIDE-A-WAY'S PHD 15081**

Klas 3
1 **HIDE-A-WAY'S PHD 15050**
2 **ROECHAMA RCM 150186**
3 **HI LAND PHD 15066**
4 **ROECHAMA RCM 150187**
5 **ROECHAMA RCM 150156**

Klas 3.1 **ROECHAMA RCM 150202**
Klas 3.2 **LUSAN LPA 16012**

Klas 4
1 **JOYCE'S SCJ 15013**
2 **LOUMOTTA AC 150144**
3 **ROECHAMA RCM 150202**
4 **HIDE-A-WAY'S PHD 15036**
5 **ROECHAMA RCM 150135**

Klas 5
1 **GROENPUNT GR 14024**
2 **HI LAND HL 15020**
3 **LUSAN LPA 15006**
4 **MILAGRO ACM 1509**
5 **HIDE-A-WAY'S PHD 15010**

Klas 6
1 **ROECHAMA RCM 15004**
2 **ROECHAMA JMS 150938**
3 **MAKOJALO KD 141410**

Klas 7 1 **WENSPAN JK 14003**
 2 **JOYCE'S PV 14059**
 3 **HIDE-A-WAY'S PHD 14025**
 4 **WENSPAN JK 14006**

Klas 8 1 **HIDE-A-WAY'S WAF 14033**
 2 **LOUMOTTA AC 140981**
 3 **LOUMOTTA AC 14001**
 4 **VANSIA JMS 140871**

Klas 8.1 **ROECHAMA RCM 15004**

Klas 8.2 **WENSPAN JK 14003**

Klas 9 1 **ROECHAMA RCM 13018**
 2 **ROECHAMA WAF 130118**
 3 **LUSAN LPA 14019**
 4 **LOUMOTTA AC 130962**
 5 **LUSAN LPA 14017**

Klas 10 1 **ZEC AC 120772**
 2 **ROECHAMA RCM 120102**
 3 **LOUMOTTA AC 120790**
 4 **ZEC ZEC 120026**
 5 **HIDE-A-WAY'S PHD 13002**

Klas 11 1 **GROENPUNT RCM 070113**
 2 **ROECHAMA RCM 10082**
 3 **HIDE-A-WAY'S JAN 122600**
 4 **ROECHAMA RCM 090067**
 5 **HIDE-A-WAY'S PHD 110025**

Klas 12 1 **ROECHAMA RCM 10082**
Klas 12.1 **ROECHAMA RCM 13018**
Klas 12.2 **HIDE-A-WAY'S WAF 130118**
Klas 12.3 **ROECHAMA RCM 13018**
Klas 12.4 **ROECHAMA RCM 15004**

Klas 13 1 **LUSAN LPA 16005**
 2 **LUSAN LPA 16006**

Klas 14 1 **HIDE-A-WAY'S PHD 16008**
 2 **ROECHAMA RCM 150208**

Klas 15 1 **MAKOJALO KD 151461**
 2 **WENSPAN JK 150021**
 3 **MAKOJALO KD 151456**
 4 **WENSPAN JK 150018**
 5 **VANSIA JMS 150992**

Klas 15.1 **MAKOJALO KD 151461**

Klas 15.2 **WENSPAN JK 150021**

Klas 16 1 **LILY WHITE GLO 15009**
 2 **ROECHAMA RCM 15019**
 3 **VANSIA JMS 150945**
 4 **ROECHAMA RCM 150076**
 5 **HIDE-A-WAY'S PHD 150037**

Klas 17 1 **LUSAN LPA 150021**
 2 **HIDE-A-WAY'S PHD 140045**
 3 **HIDE-A-WAY'S PHD 14046**
 4 **LUSAN LPA 15004**
 5 **HIDE-A-WAY'S PHD 15002**

Klas 18 1 **MILAGRO ACM 140041**
 2 **ROECHAMA RCM 14066**
 3 **ROECHAMA RCM 14026**
 4 **LOUMOTTA AC 140020**
 5 **WENSPAN JK 140035**

Klas 18.1 **MILAGRO ACM 140041**

Klas 18.2 **LUSAN LPA 150021**

Klas 19 1 **LOUMOTTA AC 130871**
 2 **GROENPUNT JK 130049**
 3 **GROENPUNT PHD 14002**
 4 **BOUWERSKLOOF ACM 140013**

Klas 20 1 **VANSIA JMS 120721**
 2 **GROENPUNT PHD 120052**

Klas 21.1 **LOUMOTTA AC 130871**

Klas 21.2 **GROENPUNT JK 130049**

Klas 21.3 **LOUMOTTA AC 130871**

Klas 21.4 **MILAGRO ACM 140041**

Klas 22.1 1 **LUSAN LPA 16005**

Klas 22.2 1 **LUSAN LPA 150021**

2 **WENSPAN JK 150018**

3 **LUSAN LPA 16006**

Klas 23 1 **ROECHAMA**
 2 **LOUMOTTA**
 3 **LUSAN**
 4 **HIDE-A-WAY'S**
 5 **VANSIA**

Klas 24 1 **ROECHAMA**
 2 **LOUMOTTA**
 3 **HIDE-A-WAY'S**
 4 **ROECHAMA**
 5 **VANSIA**

Klas 25 1 **HIDE-A-WAY'S**
 2 **ROECHAMA**
 3 **LUSAN**
 4 **VANSIA**
 5 **HIDE-A-WAY'S**

Klas 26 1 **ROECHAMA**
 2 **ROECHAMA**
 3 **LOUMOTTA**
 4 **HIDE-A-WAY'S**

Klas 27 1 **LOUMOTTA**
 2 **HIDE-A-WAY'S**
 3 **LOUMOTTA**

Klas 28 1 **ROECHAMA**
 2 **LOUMOTTA**
 3 **LUSAN**
 4 **HIDE-A-WAY'S**
 5 **MAKOJALO**

Klas 29 1 **ROECHAMA**
 2 **HIDE-A-WAY'S**
 3 **GROENPUNT**
 4 **LOUMOTTA**
 5 **LUSAN**



ROECHAMA RCM 120410
Bred by ROECHAMA and owned by Mr. Louren Campher from Koster.



MARRIGOLD MR T, MGS 130014
Mr. Russell Marriott, Vereeniging



DE PANNE Hot Girl 11de DE 150021,
Mr. Jannie Kotze, Moorreesburg



FREDERICKSBURG LANDGOED FG 160420
Cattle Manager: Mr. Stefan Terblanche, Franschhoek



MILAGRO Power 1324, ACM 130024, Andrew Masterson Family Trust, Humansdorp.
She was also the Grand Champion Cow and awarded the best Black Angus at the National Championship show.
MILAGRO Power 1324 was also the crowned as Interbreed Champion, beef and dual purpose cattle at the Bloem show 2017



MILAGRO Black Pride 1447, ACM 140047
Andrew Masterson Family Trust, Humansdorp



DE PANNE Hot Girl 7 De, DE 150008
Mr. Jannie Kotze, Moorreesburg



MILAGRO Black Pride 1232, ACM 120032
Andrew Masterson Family Trust, Humansdorp
She was both Reserve Senior Cow and Reserve Grand Champion.



DE PANNE TC Stockman No.1, DE 150014
Mr. Jannie Kotze, Moorreesburg



DE PANNE International no.1 DE 150013, Mr. Jannie Kotze, Moorreesburg
The Champion Bull Calf was also the Grand Champion Black Angus Bull and won the title of Interbreed Champion bull, beef and dual purpose cattle at the Bloem show.



FREDERICKSBURG FG 140245, Frederickburg Landgoed, Franschoek
Cattle Manager: Mr Stefan Terblanche, Estate Manager: Mr Robert Hobson
The bull was also the Reserve Champion Black Bull



FREDERICKSBURG FG 150348
Fredericksburg Landgoed
Cattle manager: Mr. Stefan Terblanche

5 Mei Swart Angus Skouresultate

KLAS PLEK

Klas 1 1 **FREDERICKSBURG FG 160420**
2 **MILAGRO ACM 16005**
3 **MILAGRO ACM 16009**
4 **FREDERICKSBURG FG 160425**

Klas 2 1 **MILAGRO ACM 16003**

Klas 3 1 **DE PANNE DE 150021**
2 **DE PANNE DE 150031**
3 **DE PANNE DE 150012**
4 **DE PANNE DE 150010**
5 **JOYCE'S SCJ 150069**

Klas 3.1 **DE PANNE DE 150021**

Klas 3.2 **FREDERICKSBURG FG 160420**

Klas 4 1 **DE PANNE DE 15008**
2 **HOT HAR 15037**
3 **HOT HAR 15026**
4 **HOT HAR 15046**

Klas 5 1 **MILAGRO ACM 14060**
2 **JOYCE'S SCJ 15009**

Klas 6 GEEN

Klas 7 GEEN

Klas 8 1 **MILAGRO ACM 14047**
2 **ROECHAMA RCM 14004**
3 **MILAGRO ACM 14046**
4 **MILAGRO ACM 14039**

Klas 8.1 **MILAGRO ACM 14047**

Klas 8.2 **DE PANNE DE 15008**

Klas 9 1 **MILAGRO ACM 13024**

Klas 10 1 **MILAGRO ACM 12032**
2 **ROELOU RL 12095**

Klas 11 1 **JOYCE'S SCJ 12001**
2 **MAKOJALO KD 111128**

Klas 12 1 **MILAGRO ACM 12032**

Klas 12.1 **MILAGRO ACM 13024**

Klas 12.2 **MILAGRO ACM 12032**

Klas 12.3 **MILAGRO ACM 13024**

Klas 12.4 **MILAGRO ACM 12032**

Klas 13 1 **FREDERICKSBURG FG 160437**

Klas 14 1 **MILAGRO ACM 16002**

Klas 15 1 **DE PANNE DE 15013**
2 **DE PANNE DE 15014**
3 **DE PANNE DE 1509**
4 **DE PANNE DE 15019**
5 **MILAGRO ACM 15034**

Klas 15.1 **DE PANNE DE 15013**

Klas 15.2 **DE PANNE DE 15014**

Klas 16 1 **FREDERICKSBURG FG 150348**
2 **ROECHAMA RCM 150101**
3 **HOT HAR 15018**
4 **HOT HAR 15028**
5 **HOT HAR 15022**

Klas 17 1 **MILAGRO ACM 1504**

Klas 18 1 **FREDERICKSBURG FG 140245**
2 **MAKOJALO KD 141377**
3 **MILAGRO ACM 14024**
4 **MILAGRO ACM 14032**
5 **MAKOJALO KD 141384**

Klas 18.1 **FREDERICKSBURG FG 140245**

Klas 18.2 **FREDERICKSBURG FG 150348**

Klas 19 1 MARRIOTT MGS 13014

Klas 20 1 ROELOU RCM 120410

Klas 21.1 ROELOU RCM 120410

Klas 21.2 MARRIOTT MGS 13014

Klas 21.3 DE PANNE DE 15013

Klas 21.4 FREDERICKSBURG FG 140245

Klas 22.1 1 HOT HAR 15022

Klas 22.2 1 DE PANNE DE 15009

Klas 23 1 DE PANNE

2 MILAGRO

Klas 24 1 DE PANNE

2 MILAGRO

3 MILAGRO

4 MILAGRO

Klas 25 1 DE PANNE

2 FREDERICKSBURG

3 MILAGRO

4 HOT

Klas 26 1 MILAGRO

2 MILAGRO

3 DE PANNE

4 HOT

Klas 27 1 MILAGRO

2 DE PANNE

3 DE PANNE

4 MILAGRO

Klas 28 1 DE PANNE

2 MILAGRO

3 MILAGRO

4 ROELOU

5 FREDERICKSBURG

Klas 29 1 MILAGRO

2 ROELOU

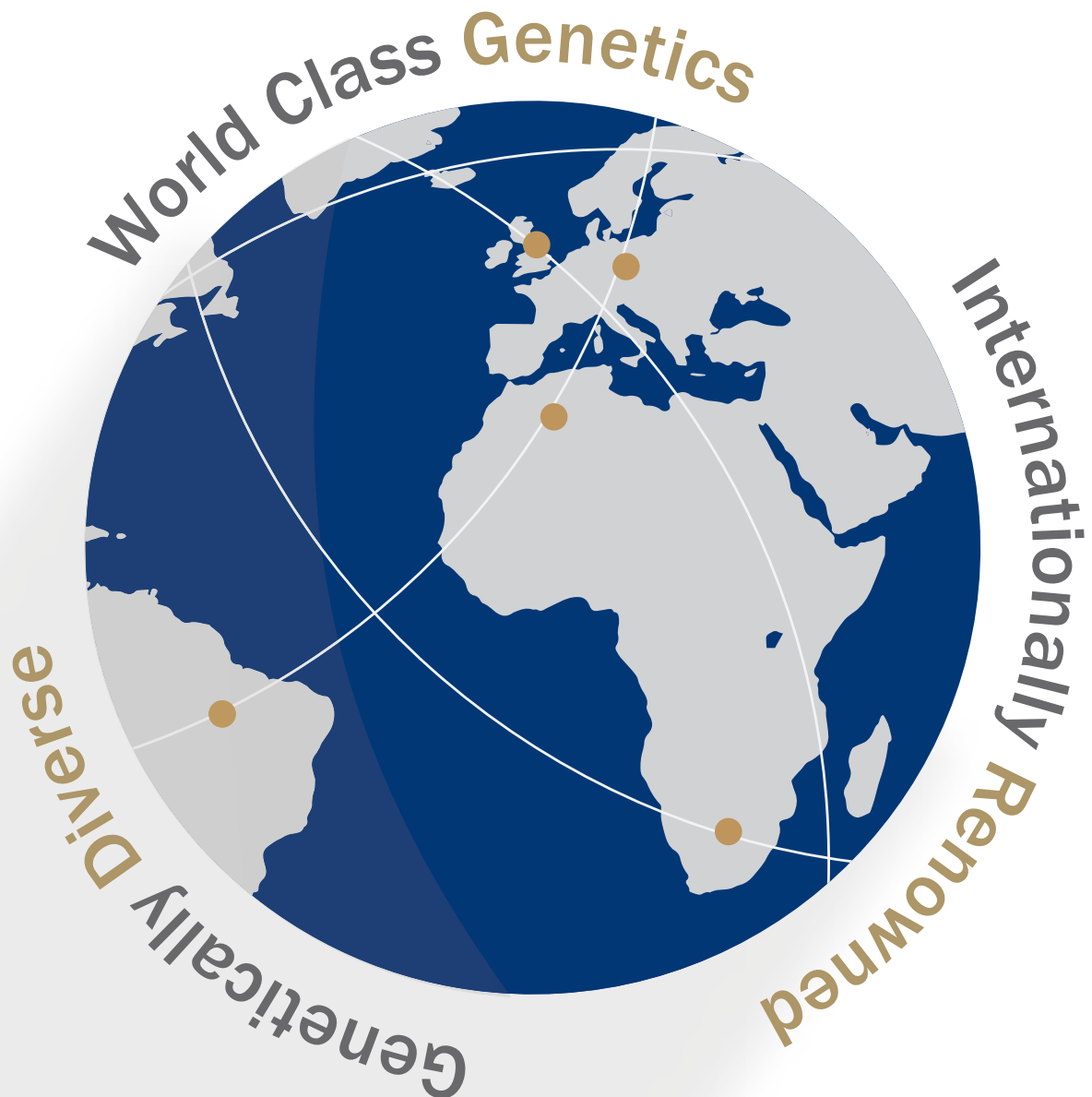
3 MILAGRO



MILAGRO Power 1324 was the GOLD CUP winner at the Bloem Show, for the Interbreed Championships (beef and dual purpose cattle) held on Saturday, 6 May 2017. Danwill Daniels (MILAGRO) Coen van Tonder (Bloem Show) Andrew Masterson (MILAGRO) Llewellyn Angus (Senior Judge) and John Boule (Junior Judge).

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programs
for product
differentiation.
Creating the next top
sires for pedigree and
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Annie Kotze: 082 592 9969

depanne@agrizone.co.za



DE PANNE
International no1 (DE15-13)

National Black Junior and
Grand Champion Bull 2017

BLUP (Breedplan) Interbreed
Champion Bull (Moorreesburg
2017)

*Our Passion
Since 1986*

VEILING:
21 Julie 2018
te De Panne,
Moorreesburg.

Besoekers altyd welkom.

PLAAS VENUE

De Panne, Moorreesburg S 33° 11' 57" O 18° 33' 22"

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DE PANNE



ANGUS

National Centenary Prizegiving

2017



Mr. Cox Kakebeke (Danielsrus) was awarded the SA Angus Society Floating Trophy for the Best Commercial Producer for Year for 2016.



Dennis Serhienko (judge) with Cox Kakebeke.



Mr. Klasie Loubser (HOLVLEI, Vredenburg) was awarded Personality of the Year 2016. The Ben Oosthuizen Trophy was handed to him by Dennis Serhienko.



Mr. Dennis Serhienko handed the Hennie Langenhoven Trophy to Mr. Rudi Buys.

Buys is the Chairman of the Western and Southern Cape club, who was awarded the Best Club of the Year 2016.



Mr. Dennis Serhienko was the International Judge for the 2017 National Centenary Championship Show. Serhienko is from Canada and was sponsored by Semex and the Canadian Angus Society. John Boulle handed Dennis Serhienko a kierre made from olienhout.



Dennis Serhienko with Mr. Rudi Buys, Estate Manager for Uitkyk Wines. Mr. Rudi Buys received the N.J. Kruger Memorial Trophy for Best Young Breeder for the Year 2016. Mr. Buys is in charge of LUSAN PREMIUM ANGUS (Western Cape).



RC Malherbe & Vennote (ROECHAMA, Hertzogville) won the title of Breeder of Champions Red. Dennis Serhienko & RC Malherbe.



Mr. Jannie Kotzé (DE PANNE, Moorreesburg) was awarded Breeder of Champions Black. Dennis Serhienko with Jannie Kotzé.

The Joyce's Trophy for the Junior Champion Bull (Black) was won by Frederickburg Landgoed.

Dennis Serhienko with Mr. Stefan Terblanche, Cattle Manager at Fredericksburg Landgoed, Franschoek.



The Holvlei Trophy for the Junior Champion Red Bull, was won by the Andrew Masterson Family Trust. Dennis Serhienko handed the trophy to Andrew Masterson (MILAGRO, Humansdorp).



Andrew Masterson Family Trust received the De Panne Trophy for the Junior Champion Female Black.

Receiving the trophy is Mr. Andrew Masterson (MILAGRO, Humansdorp) and the Judge, Mr. Dennis Serhienko.



The Pioniers Trophy for Junior Champion Red Female went to RC Malherbe & Vennote (ROECHAMA, Hertzogville). Dennis Serhienko handed the trophy to RC Malherbe.



The Hide-A-Way's Trophy was awarded to Mr Loutjie Campher (LOUMOTTA John Deere AC13 0871) for the Best Red Angus at the National Championship. Dennis Serhienko handed the trophy to Loutjie Campher. Mr. Loutjie Campher also received the Rosewick Trophy (Grand Champion Bull Red).

Mr. Dennis Serhienko handed the Kynoch Feeds Trophy to Mr. Gert Malherbe (RC Malherbe & Vennote, ROECHAMA, Hertzogville) for the Grand Champion Angus Female Red.



The Andrew Masterson Family Trust received both the Greig Challenge Cup (Best Black Angus) and the Jurie Geldenhuys Trophy (Grand Champion Female) for MILAGRO Power 1324.

Dennis Serhienko handed the trophies to Andrew Masterson (MILAGRO, Humansdorp).

Angus



Mr. Jannie Kotze was the winner of the Willem Barnard Memorial Trophy for the Grand Champion Bull Black. Dennis Serhienko with Jannie Kotze (DE PANNE, Moorreesburg)



Dennis Serhienko handing the AE & CI Trophy to Andrew Masterson (MILAGRO, Humansdorp) for winning the most points during the Black Angus National Championships 2017.



RC Malherbe (ROECHAMA, Hertzogville) receiving the Rathmines Trophy from Dennis Serhienko for winning the most points during the Red Angus National Championships.

Jannie Kotze also won the FNB Trophy for Sire Progeny Group Black. Mr. Dennis Serhienko and Mr. Jannie Kotze (DE PANNE, Moorreesburg)



Mr. Russell Marriott (MARRIGOLD, Three Rivers, Vereeniging) was the winner of the Kobus & Louise Delpont Trophy for the Best Novice Breeder at the 2017 National Championships. Mr. Dennis Serhienko and Mr Russell Marriott.



Mr. Gert Malherbe receiving the Mequatling Trophy for the Sire Progeny Group Red. Dennis Serhienko and Gert Malherbe (RC Malherbe & Vennote, ROECHAMA, Hertzogville).



The SA Angus Society extended a special word of thanks to Mrs. Marietjie Delpont from SA Stud Book for her commitment and the hard work she is doing for the Angus breed.

Mr. Andrew Masterson (Chairman) and Mrs. Marietjie Delpont.



It was also a sad goodbye to Mrs. Johanna Cloete, who retired on 30 April 2017, after 22 years of service to the SA Angus Society.



The Society also extended a word of thanks to Mr. Hennie Langenhoven for his contributions towards the Angus Breed. Mr. Klasie Loubser and Mr. Hennie Langenhoven.



The SA Angus Society also thanked Mr. Hannes Muller for his dedication and his continues hard work towards the Angus breed. Mr. Hannes Muller and Mr. Klasie Loubser



Mrs. Lyn Marwick (Special Honorary Member) was thanked for the hard work she is still doing in KZN.

Mr. John Boulle (Angus Breed Director) and Mrs. Lyn Marwick.



RC Malherbe (Vice-chairman) thanked Mrs. Colette Masterson for organising the 2017 Angus National Centenary Championship show and celebrations in Bloemfontein during May 2017.

Centenary National Championship Show 2017
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Wade Pringle (World Wide Sires) acted as the Announcer during the show, Andrew Masterson (Chairman), Wikus van der Merwe (Embryo Plus) was the very efficient Ring Steward and our esteemed international Judge Dennis Serhienko.

ANGUS



Jaarlikse Veiling

21 Junie 2018 - 11vm

BLAAUWBERG PLAAS, M19, Melkbosstrand

20 Bulle 10 Stoetkoeie 15 Dragtige Kommersiële Verse
20 Oop Kommersiële Verse 20 Tweejaar Osse

JOYCE'S STOET

083 327 9186

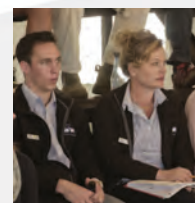
jdfarms@mweb.co.za

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rkleinloog@ehhc.co.za

SALE OF CHAMPIONS



At the conclusion of a very successful Centenary National Championship Show, a dinner was held at Ilanga Estate in Bloemfontein, where various prizes were handed over and the prestigious Sale of Champions was held.

The idea of the Sale of Champions arose from the Annual National Angus Sale except that it would be an exclusive sale of champion animals. The champions were photographed and these were displayed on a large screen, post a sumptuous dinner. The champions were offered one by one. The highlights of the evening were:

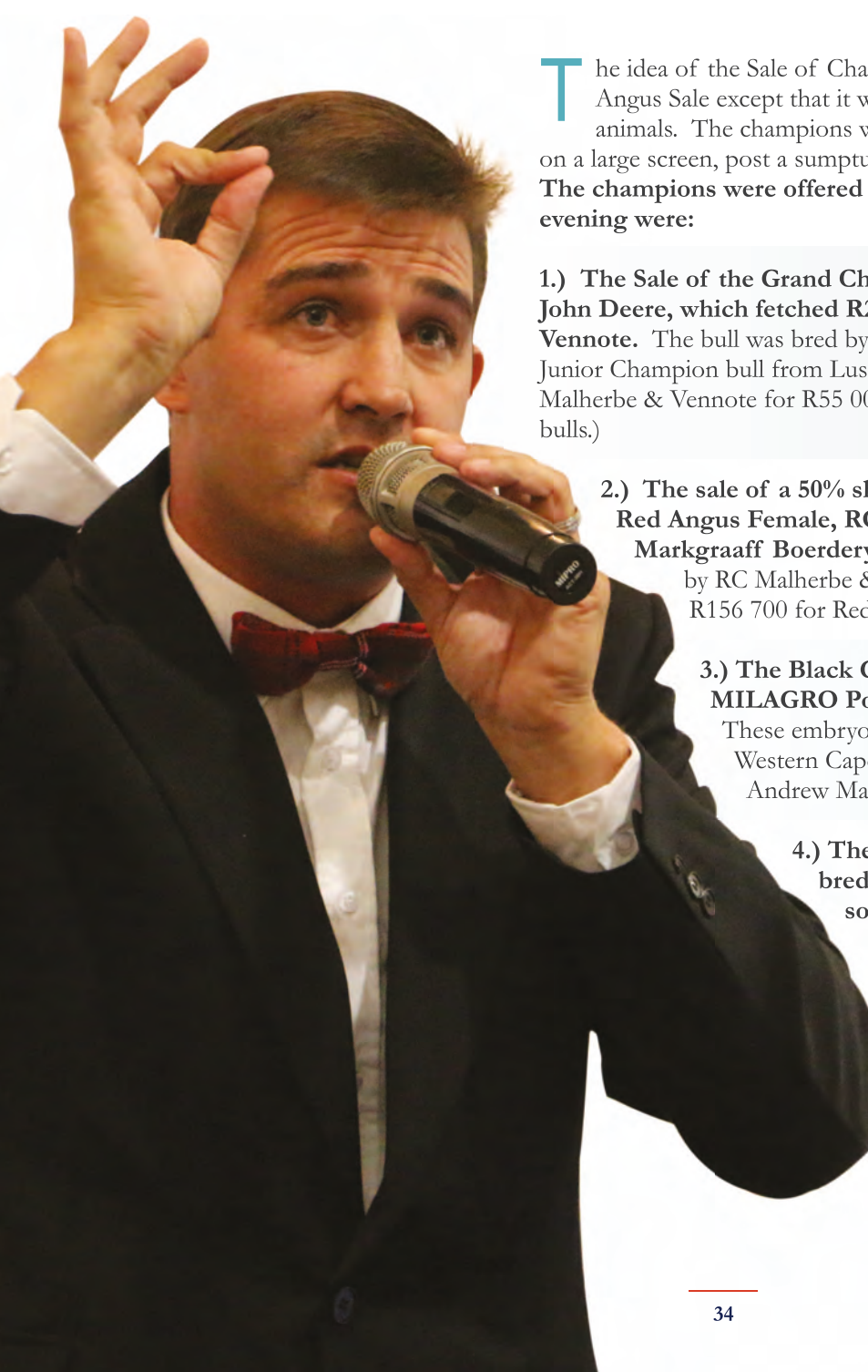
1.) The Sale of the Grand Champion Red Angus bull, **LOUMOTTA John Deere**, which fetched **R255 000**, bought by **RC Malherbe & Vennote**. The bull was bred by Loutjie Campher (Venterdorp). The Reserve Junior Champion bull from Lusan Premium Angus was also bought by RC Malherbe & Vennote for R55 000. (Average price R155 000 for champion bulls.)

2.) The sale of a 50% share in the Senior and Grand Champion Red Angus Female, **ROECHAMA Surè**, for **R145 000** to **André Markgraaff Boerdery (Kimberley)**. **ROECHAMA Surè** was bred by RC Malherbe & Vennote (Hertzogville). (Average price R156 700 for Red Angus females.)

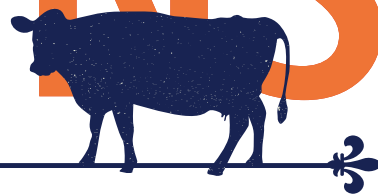
3.) The Black Grand and Senior Champion Angus cow, **MILAGRO Power 1324**, offered an embryo contract. These embryos were purchased by Roland Boucher (Paarl, Western Cape) for R10 000 each. The cow was bred by Andrew Masterson from Humansdorp.

4.) The reserve Black Angus bull calf champion, bred by Jannie Kotzé of Moorreesburg was sold telephonically for **R105 000** to **Freddie Dreyer of Namibia**. Semen from the Junior Champion Angus bull, bred by Fredericksburg Landgoed Franschoek, was sold at R300 per unit to Kevin Miles from Dordercht, Eastern Cape.

The sale was conducted by BKB, as part of their Platinum sponsorship to the Angus National Centenary Championship show, and the auctioneer was Gert Jordaan.



HAMPIONS



1 Loumotta John Deere AC 13871 bred by Loutjie Campher and sold to RC Malherbe & Vennote for a new national record price of R255 000



2 Roechama Surè RCM 130018 bred by RC Malherbe & Vennote sold a 50% share to André Markgraaff Boerdery for R145 000 setting a new record.



3 Milagro Power ACM 13024 bred by Andrew Masterson sold embryos for R10 000 each to Roland Bouwer.



4 De Panne TC Stockman No 1 DE 15014 bred by Jannie Kotzé and sold to Freddie Dryer for R105 000

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PVC - 051 448 5832/4



VEILINGDATUM: 4 SEPTEMBER 2018

Johannes Botha 083 272 6338 | Marijke Botha 083 289 5913
Bodeel.botha@outlook.com | Viljoenskroon

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upon Darling Hills

Groote Post Farms, PO BOX 103, Darling Hills Rd, Darling 7345.
Peter Pentz 083 228 1664 | Nick Pentz 082 894 3699

**Die 100ste Algemene
Jaarvergadering is gehou op
11 Oktober te Sandringham,
Stellenbosch.**

2017 JAARLIKSE PRYSUIDELING & AANDETE.

Die vergadering is redelik goed bygewoon met die meeste lede uit die Wes- en Suid-Kaapse.

Mnr. Andrew Masterson is weer verkies as Voorsitter en dien tans sy tweede termyn as Voorsitter uit.

Mnr. R.C. Malherbe is ook weer as Ondervoorsitter verkies, dit is ook sy tweede termyn.

Die Genootskap verwelkom twee nuwe Raadslede in hul midde. Mnr. Jannie Kotze (DE PANNE, Moorreesburg) dien die eerste keer op die Angusraad as addisionele raadslid, sowel as Mnr. M.J. Ernst (BONA BONA, Klerksdorp) wat as die verteenwoordiger van die Noord-Wes en Noord-Kaap sal dien.

Mnr. Klasie Loubser se termyn as ex officio op die Angusraad het met afloop van die Algemene Jaarvergadering ten einde gekom. Uit die Anguskantoor is ons baie dank aan Mnr. Louber verskuldig vir sy hulp, ondersteuning en leiding gedurende die tydperk wat hy op die Angusraad gedien het. Ons sien egter uit daarna om steeds saam met hom aan die Angusbiefprojek te werk.

Die Algemene Jaarvergadering is oudergewoonte afgesluit met die Jaarlikse Prysuitdelingsfunksie en aandete wat op die vooraand van die Agri-Expo te Sandringham plaasgevind het.

Die Wes- en Suid- Kaap Klub het as gashere opgetree en hul uitstekend van hul taak gekwyt.

Die toekenning van Beste Kommiersiële Produsent 2017 het gegaan aan Hendrik Botha van Ananiël Landgoed te Marquard in die Vrystaat.

Ananiël Landgoed het gedurende 2017 kwaliteit Angusdiere aan die Angusbiefprojek gelever.

Mev. Colette Masterson is aangewys as Persoonlikheid van die Jaar 2017 vir die uitstekende wyse waarop sy beide die 2015 en 2017 Nasionale Kampioenskappe georganiseer het.

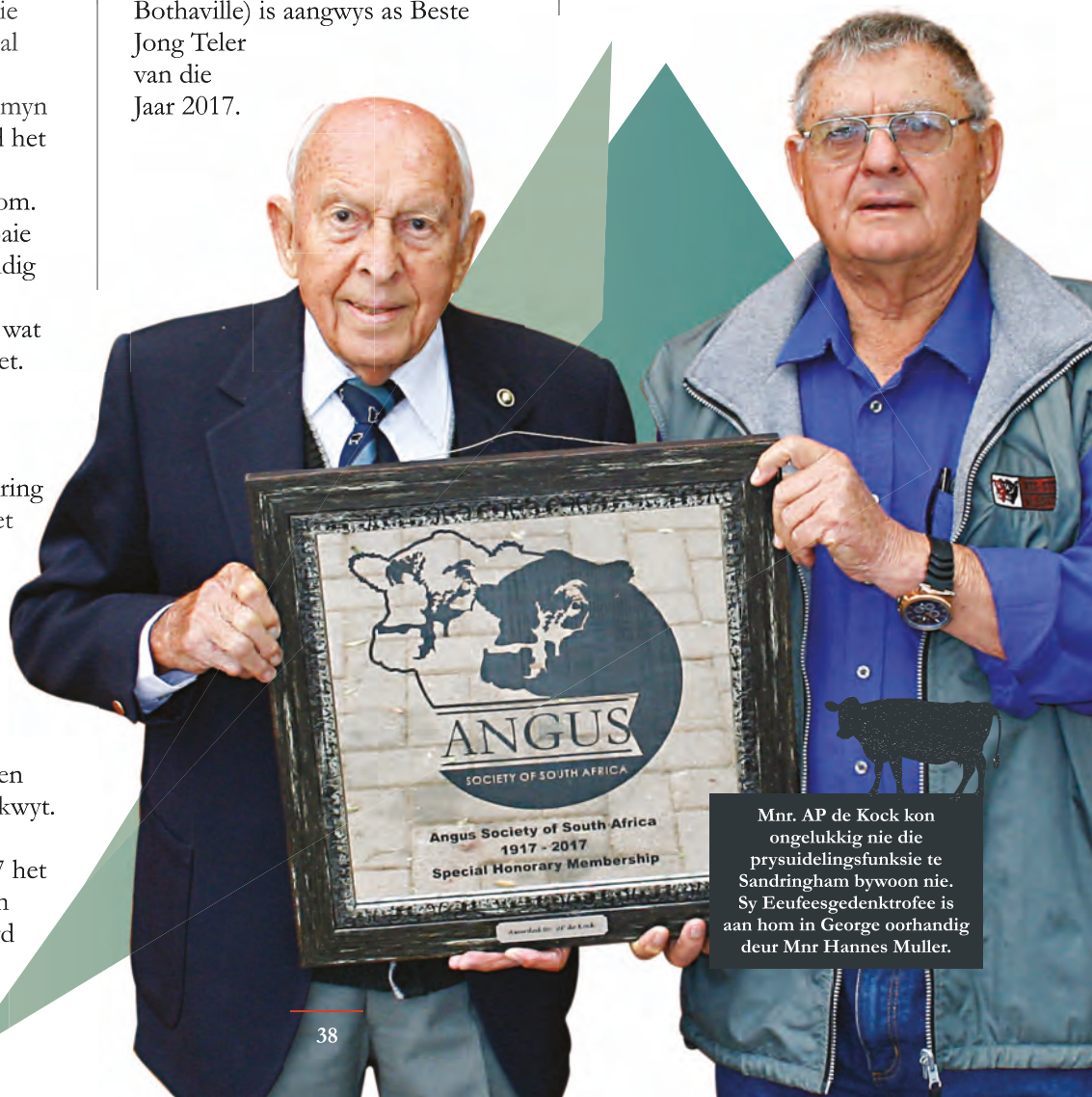
Die Vrystaatse Angusklub is as Klub van die Jaar 2017 aangewys, en het ook in goeie getalle aan die Agri-Expo die daarop volgende dae (12, 13 en 14 Oktober 2017) deelgeneem.

Nog 'n Vrystater, Mnr. Issie Liebenberg (ZEC Angus, Bothaville) is aangewys as Beste Jong Teler van die Jaar 2017.

Ook die Pat Mossop Goue- en Silwermeriete-toekennings is, volgens tradisie, op die Jaarlike Prysuideling uitgedeel.

In die lig van die Genootskap wat sy 100ste betaansjaar vier, is Spesiale Erelidmaatskaptoekennings gemaak aan AP de Kock, Hannes Muller, Jan Aucamp, Barry Kramer en Charles Pope vir die rolle wat hulle in die verlede gespeel het in die opbou en uitbreiding van die Angusras.

Philip Barnard van



Mnr. AP de Kock kon ongelukkig nie die prysuitdelingsfunksie te Sandringham bywoon nie. Sy Eeufeesgedenktrofee is aan hom in George oorhandig deur Mnr Hannes Muller.

MEQUATLING en Chris Purdon van VJ is vereër vir hul aktiewe bydraes en het Erelidmaatskaptoekennings ontvang tydens die Algemene Jaarvergadering. Die amptelike toekennings is tydens die prysuitdelingsfunksie gedoen. ■



SA Angus Genootskap Wisseltrofee is toegeken aan Hendrik Botha van ANANIEL LANDGOED te Marquard, Vrystaat. Hendrik Botha was ongelukkig nie teenwoordig nie, die trofee is in ontvangs geneem deur Klasie Loubser wat die amptelike teenwoordiger van Angus Beef (Pty) Ltd is. Klasie Loubser van Angus Beef, Linette van Niekerk SA Angus, Andrew Masterson Voorsitter SA Angus, RC Malherbe Ondervoorsitter SA Angus



Die Hennie Langenhoven Wisseltrofee is toegeken aan die Vrystaat as Klub van die Jaar 2017. Links na regs: Linette van Niekerk (SA Angus), Andrew Masterson (Voorsitter SA Angus), RC Malherbe (Vrystaat Klubvoorsitter en Ondervoorsitter SA Angus) Vrystaat Klublede teenwoordig Issie Liebenberg, Martiens le Roux, Philip Barnard en JM Steyn



NJ Kruger Gedenktrofee is toegeken aan Issie Liebenberg van ZEC Angus (Bothaville, Vrystaat) vir die Beste Jong Teler in 2017. Andrew Masterson Voorsitter SA Angus, Issie Liebenberg, Linette van Niekerk SA Angus en RC Malherbe Ondervoorsitter SA Angus



Colette Masterson is aangewys as persoonlikheid van die jaar 2017. Sy was die organiseerder van die Nasionale kampioenskappe 2015 en ook die Nasionale kampioenskappe in 2017. Sy het die Ben Oosthuizen Trofee in ontvangs geneem en is ook vereër met 'n Eeufoesgedenktrofee. Andrew Masterson (voorsitter SA Angus), Colette Masterson, RC Malherbe (Ondervoorsitter SA Angus), Linette van Niekerk (SA Angus)



As deel van die eeufoesjaar is Spesiale erelidmaatskaptoekennings gemaak. Charles Pope (nie teenwoordig, Kevin Miles het sy toekenning in ontvangs geneem) AP de Kock (nie teenwoordig, Martiens le Roux het sy toekenning in ontvangs geneem) Hannes Muller Jan Aucamp en Barry Kramer (nie teenwoordig, Kevin Culverwell het sy toekenning in ontvangs geneem)



Tydens die Jaarlikse prysuitdeling en as deel van die 100ste Algemene Jaarvergadering wat gehou is, is Erelidmaatskap toegeken aan twee aktiewe Angustelers, naamlik Mnr Philip Barnard en Mnr. Chris Purdon, vir erkenning van hul bydraes tot die Angusras. Andrew Masterson Voorsitter SA Angus, Philip Barnard van Mequatling Angus, Clocolan (Erelidmaatskap) Chris Purdon van VJ Angus, Cathcart (Erelidmaatskap) RC Malherbe Ondervoorsitter SA Angus



Dit was lekker om van ons nuwe lede te leer ken. Mnr & Mev Streuderst van Hartenbos, wat onlangs by die Genootskap aangesluit het.

Johan Coetzee (Landbouweekblad) en Johan Ehlers (Agri – Expo) geniet van die wyn wat deur die borge Vredeheim en Grootepost verskaf is.





SILWER PAT MOSSOP TOEKENNINGS TEENWOORDIG:

Chrisjan du Toit ASTRO Angus, Hendrina,
Nick Pentz GROOTE POST Angus, Darling
Klasie Loubser HOLVLEI Angus, Vredenburg
Nico Uys WATERKLOOF Angus, Heidelberg
WP Anton Vermaak BIRDS ISLAND REDS Angus,
Alexandria Mari Delpont Roets, MAKOJALO Angus, Potchefstroom
Issie Liebenberg ZEC Angus, Bothaville
JM Steyn VANSIA Angus, Bothaville
John Boule SA Angus Rasdirekteur.



PAT MOSSOP Toekennings | Awards: KUDDES MET DIE LAAGSTE TKP VIR 2016/17 • HERDS WITH THE LOWEST ICP FOR 2016/7

Die Genootskap maak jaarliks die Pat Mossop-toekennings aan kuddes wat goed presteer ten opsigte van lae Tussenkalfperiodes (TKPs). Die kriteria is die volgende: Slegs kuddes met 25 en meer vroulike diere met TKP-rekords kom in aanmerking; kuddes met 'n TKP van 380 dae en korter, ontvang 'n Goue TKP Sertifikaat, en kuddes met 'n TKP van 381 dae tot 390 dae ontvang 'n Silwer TKP Sertifikaat, volgens 'n Raadsbesluit. Die toekennings word tydens die jaarlikse prysuitdelingsonthaal gemaak, en die onderstaande persone word vriendelik uitgenooi om teenwoordig te wees vir hierdie prestigetoekennings.

The Society annually presents the Pat Mossop awards to herds that perform well in terms of low Inter Calving Periods (ICPs). The criteria are the following: Only herds with 25 and more females with ICP records qualify; herds with an ICP of 380 days and shorter receive a Gold ICP Certificate, and herds with an ICP of 381 to 390 days receive a Silver ICP Certificate, in terms of a Council decision. The presentations are made at the annual prize-giving event and the undermentioned members are kindly invited to be present for these prestigious awards.

L - R: Chris Purdon van VJ Angus, Cathcart
Philip Barnard van Mequatling, Clocolan
André Breytenbach van Maluti Angus, Bethlehem
Jan Aucamp van Aucdeen, Molteno
John Boule Rasdirekteur SA Angus



Tydens die prysuitdeling is die kalenderadvertensies vir 2018, tesame met uitsoek bladsye van die Angus Joernaal 2018 opgeveel. Almal wat advertensies, of 'n "Mistry Prize" gekoop het, het in aanmerking gekom vir die gelukstrekking.

Die gelukkige winners was Spoor | De Panne Veiling wat in 2018 vir die eerste keer aangebied gaan word. Leon van Rooyen (SPOOR, George)
Jannie Kotze (DE PANNE, Moorsburg), Linette van Niekerk (SA Angus), Appie Maritz (BKB)

Philip Barnard (MEQUATLING, Clocolan) and Gary Baumgartner (FREDERICKSBURG, Franschoek) having a "not so serious" discussion...

Oom Piet (Pieter Albertyn) Jacobsz is gebore op 22 September 1939, oorlede 11 Desember 2017. Sy kudde (VAN RENS) is die oudste Angusstoet in die land, en het in 1932 tot stand gekom toe sy pa hul eerste Angusverse aangekoop het.

Piet Jacobsz was 'n man wat met 'n sagte hart vir mens en dier. Hy was ook 'n man met vele talente en kon beskryf word as 'n "gentleman and a stockman".

Die foto van hom met Vettie vertel sy eie verhaal.

Hy laat sy vrou, Etta, sy kinders Jan, Thys en Sandra en kleinkinders agter.

Jan Jacobsz gaan voort met die Angusstoet en boerdery op Rensburgskop.

Oom Piet is begrawe op 'n koppie, met 'n mooi uitsig oor die opstal en die plaas.

*Huldeblyk aan
Piet Jacobsz
(1939 -2017)*





MALUTI ANGUS

Andre Breytenbach: 082 774 6804 | E: cattleman@maluti-angus.co.za
Posbus | P.O. Box 1775, Bethlehem, 9700

“VERGENOEG” is the home of Maluti Angus, a Red Angus herd owned by Andre Breytenbach.

The farm is situated in the Eastern Free State between Bethlehem, Clarens and Kestell, close to the Golden Gate Nature Reserve. The area with its extreme conditions and veldt fires presents unique challenges. The area is known for its harsh weather conditions where we deal with sour veld, snow, wind, frost. It becomes bitterly cold and we can experience temperatures of below -10 degrees Celsius.

At Maluti Angus, we aim to breed “middle-of-the-road” cattle that perform well in extreme conditions, functional cows that calf every 365 days without assistance and calves with a light birth weight.

We are very strict on inter-calving periods, and try to limit it to 380 days. Semen of “calving ease” bulls is imported and all cows and heifers are artificially inseminated.

The herd has tested negative for CA on several occasions. The herd is regularly treated against CA, BVD, Anthrax, Black Quarter, Botulism, Lumpy Skin and Scour Guard. Growth stimulants, chicken litter or any form of steroids is forbidden on this farm. The cattle perform excellent on the veld and do not need these additives.

People with a passion for cattle are always welcome. If you pass by, please pay us a visit.



Herd manager on duty!





Vleis vanaf die VELD



Deur Johan Mouton | Molatek & Epol (RCL FOODS) | johan.mouton@rclfoods.com | (083 278 7746)

Die grootste komponent van rooivleis wat verbruik word in Suid Afrika is voerkraal gebaseerd met graan wat 'n wesenlike deel van die afrondings dieet uitmaak.

'n Hoë digtheid dieet bestaande uit $\pm 13\%$ proteïen en > 11 MJ/Me word benodig om in die korste moontlike tyd tot by 'n bemarkbare karkas te vorder. Die produksiestelsel het ontwikkel tot 'n gespesialiseerde voerkraalbedryf.

Hierteenoor het rumendiëre die vermoë om natuurlike weiding wat in oorvloed in die natuur voorkom om te skakel na proteïen, sonder dieselfde vlakke van eksterne insette as by 'n konvensionele voerkraal. Die feit dat insette in terme van aanvulling laer is by vleisproduksie van veld maak die stelsel nie minder gespesialiseerd nie. Dit is 'n ander benadering tot

'n markklaar produk met sy eie uitdagings en moet nie vergelyk word met 'n voerkraal nie.

Uit 'n produksie oogpunt is daar 'n aantal faktore wat in ag geneem moet word indien bemarkbare vleis van veld produseer wil word.

- Genetiese samestelling van die dier
- Hulpbron se voervloei
- Produksiestelsel van die produsent
- Praktiese realiteite



GENOTIPE

Hierdie is 'n gespesialiseerde onderwerp op sy eie maar dit is wel bekend dat sekere genotipes beter aangepas is om bemarkbare vleis vanaf die veld te produseer. Dit kan vroeër of later ryp tipes wees afhangend van die produksiestelsel wat gevolg gaan word. Diere wat in 'n agtienmaande bemarkinstelsel is en in die herfs bemark wil word moet verkieslik later ryp wees. 'n Produksiestelsel waar diere direk na speen op besproeide weiding afgerond word verkies weer vroeër ryp diere.

Geslag het 'n groot rol te speel. Net soos in die geval met 'n voerkraal is verse geneig om vinniger vet te akkumuleer en ligter karkasse te produseer. Dit moet nie as 'n negatief gesien word nie aangesien die koste van massatoename normaalweg laag is en verse ekonomies op die veld afgerond word.

Welke produksiestelsel gevolg word met manlike diere moet diere kastreer word aangesien ongekastrateerde diere baie stadig vet akkumuleer op weiding en konstant karkasgroeï openbaar.

In 'n RCL Animal Feeds studie op besproeide raaigras het alle diere wat gekastreer was A2 karkas graderings behaal met selfs lae vlakke van aanvulling. By ongekastrateerde diere het 36% van die karkasse A1 graderings behaal teenoor die 64% wat A2 gradeer het met hoë dightheid voer van tot 1% van liggaamsmassa aanvulling.

HULPBRON SE VOERVLOEI

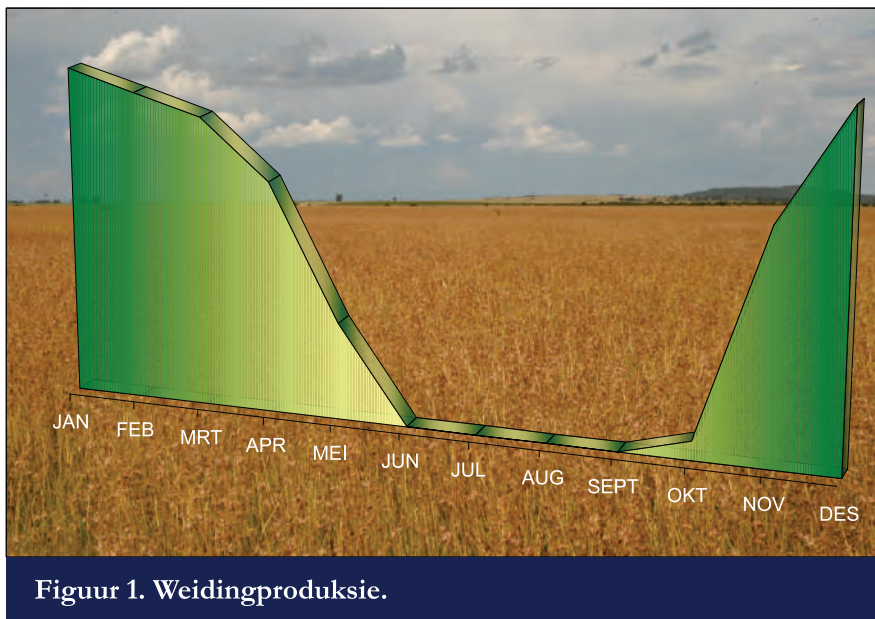
Voervloei is die deurslaggewende faktor vir suksesvolle vleisproduksie vanaf veld. In die inleiding is gemeld dat die behoefte vir afronding $\pm 13\%$ proteïen en > 11 MJ/Me is. Dit is tipies 'n mengsel van met 71 % graan, 16% Beesvet 33+, 80 Molassameel en 10% ruvoer. Dit laat groei diere teen 1.6 – 1.8 kg per dag en rond hulle in 120 dae af. Hierdie is die boonste sport van groei en diereprestasie. Geen weiding het die vermoë om vir 120 dae voedingstowwe teen hierdie tempo te lewer nie. Vandaar 'n ander denkwysie en filosofie wat diere

stadiger laat groei, maksimum van die weiding gebruik maak en die koste van massatoename so laag moontlik hou.

Diere kan in die hoogsomer 13% proteïen uitselkteer in veld met hoë vlakke van energie maar nie om op dieselfde vlak as voerkraaldiere te presteer nie. Die seisoenale aard van weidingproduksie soos getoon in figuur 1 dikteer vanselfsprekend dat vleisproduksie vanaf veld gedurende die somermaande moet geskied. Suid Afrikaanse winterveld benodig reeds redelike vlakke van aanvulling net om massa te handhaaf. Die produksie van A2 karkasse is eenvoudig net nie ekonomies lewensvatbaar nie. Dit beteken nie dat die winterveld nie deel van so 'n produksiestelsel sal uitmaak nie maar wel dat die somerveld die tydperk is waar die waarde toegevoeg word en die geld gemaak word. Variasie kom op die tema voor waar winterbesproeiing en oesreste beskikbaar is.



Angusverse wat wei op 'n hawerstoppelland in Melkbosstrand, Wes-Kaap. Die verse word ook van 'n byvoeding (lek) voorsien. Joyce's Angus van Seymour Currie. | Foto: Jan van Dyk



Figuur 1. Weidingproduksie.

'n Onderwerp op sy eie is die effek van somerveldbenutting op diereprestasie wat deurslaggewend vir sukses is. Die basis hiervan is dat diere altyd toegang tot jong weiding moet geniet om die beste diereprestasie te genereer.

Indien die aspekte van hulpbroninstandhouding en verhoogde diereprestasie saamgevoeg word, is die produksiestelsel om beide doelwitte te bereik eenvoudig. Gestel die hulpbron is 100 hektaar groot en kan 20 diere volhoubaar hanteer. Al 20 diere word een seisoen op 50 hektaar geplaas en die ander 50 hektaar ontvang 'n groeiseisoensrus. Die oppervlakte roteer dan op 'n jaarbasis. (Die beginsel lê in die rus

gedurende die groeiseisoen) Verskeie variasies kom op die beginsel voor, maar die gedeelte wat benut word, word die weiding binne perke kort ontblaar en die kans gegun om die volgende seisoen uit te groei. Die uitgegroeide weiding kan wel as winterkos dien.

PRODUKSIESTELSELS

Waar besproeiing beskikbaar is kan kalwers direk na speen gedurende Mei op raaigrasweiding geplaas word. 'n Energie – Proteïen aanvulling van 0.5 – 1% van liggaamsmassa word gegee om teen middel November

afgeronde karkasse te produseer. Ongeveer 1200 kg lewende massa kan per hektaar produseer word met die praktyk. Raaigraskoste en bestuursinsette kan die ekonomie van die stelsel onder druk plaas wat deeglike beplanning noodsaak.

'n Hulpbronsamestelling van veld en genoegsame oesreste open die geleentheid dat kalwers nagenoeg 50 kg massa kan toeneem gedurende die wintermaande. Diere moet deurgaans toegang tot vars gestroopte lande hê tesame met 'n proteïen produksieaanvulling soos Restelek. Gedurende die somer vind die afrondfase plaas met 'n energie produksieaanvulling (Background 18). Die weidingsbestuur tesame met aanvullingspeile van nie meer as 1% van liggaamsmassa gedurende die somer is deurslaggewend vir sukses in hierdie stelsel. Gedurende die laaste 4-6 weke kan aanvulling verhoog word.

Die uitdagende scenario is waar net weiding beskikbaar is. Soos reeds genoem is ekonomiese produksie gedurende die wintermaande nie lewensvatbaar nie. Kallers word oorwinter met 'n produksielek (Meester 20 / Kondisielek) op die mees beskutte veld van weiding wat gedurende die somer gespaar is. Die doel is om massaverlies te voorkom. Slegs 'n proteïenaanvulling (Dryveld 46 / Proteïenlek 40) is onvoldoende vir die diere en massaverlies van ongeveer 20 kg kom voor.

Kompensering gedurende die somer is nie voldoende om by 'n mark gereed dier te kom nie.

Gedurende die somer word weer 'n energie produksieaanvulling (Background 18) gebruik om diere op kort veld af te rond teen die einde van die somer.

Aangeplante weiding kan in die somer gebruik word wat primêr weikapasiteit opstoot met 'n effense verhoging in diereprestasie. Bemeste weiding (Smuts / Sorghumtypes) kan 300 – 400 kg



lewende massa onder droëland toestande vir die somer produseer.

PRAKTIESE REALITEITE

Weens die feit dat die omgewing en voeding nie naastebly beheer kan word soos met voerkraaltoestande nie is daar noodwendig meer variasie in die uitkoms van diereprestasie. Dit beteken diere word soms vroeër as “stoorosse” bemark wat nie noodwendig afgerond is nie of kan vir 'n kort tyd na die voerkraal gaan. Bestuursbesluite moet oop wees vir verandering en aangepas word namate die seisoen ontwikkel. Soos reeds genoem pas uitskotverse goed in die stelsel in en rond met meer sekerheid af.

Karkasse produseer binne hierdie produksiestelsels is geneig om vet wat geel kan wees te produseer waarteen die mark soms onregmatig diskrimineer. Variasies kom op die tema voor.

Binne die navorsingswerk van RCL Animal Feeds is nog nooit prysdiskriminasie ondervind nie maar daar is voortydig met opnemers van die karkasse in die verband onderhandel.

Uitslagpersentasie van karkasse produseer onder hierdie toestande neig effens laer te wees maar koste van massatoename is doeltreffend.

Diere moet deurgaans toegang tot vars gestroopte lande hê tesame met 'n proteïen produksieaanvulling soos Restelek.

OPSOMMING

Die produksie van A2 karkassa sonder 'n voerkraal is prakties haalbaar in Suid Afrikaanse omstandighede maar moet nie in kompetisie met voerkrale gesien word nie. Gekasteerde diere wat genotipies aangepas is by die produksiestelsel wat gevolg word met weidingsbestuur wat voortdurend jong kwaliteit weiding aan diere verskaf is deurslaggewend. Winters kan deel uitmaak van die stelsel maar ekonomiese produksie is nie haalbaar in die tydperk nie. ■

Verwysing:

Kynoch Weidingshandleiding, Herdruk 2005.

Jong Angusbulle op natuurlike weiding in die distrik Bethlehem. Maluti Angus van André Breytenbach.



SCJ160059 Mr Straw ET



Sire: Joyce's Mr Strawberry Dam: Joyce's Ms Red Lazy

Angus Pioniers Auction
21st June 2018

SCJ160011 Mr M-Net ET



Sire: SAV Net Worth 4200 Dam: De Panne Hot Girl

SCJ160019 Ms Hot Girl 5-ET



Sire: SAV International 2020 Dam: De Panne Hot Girl

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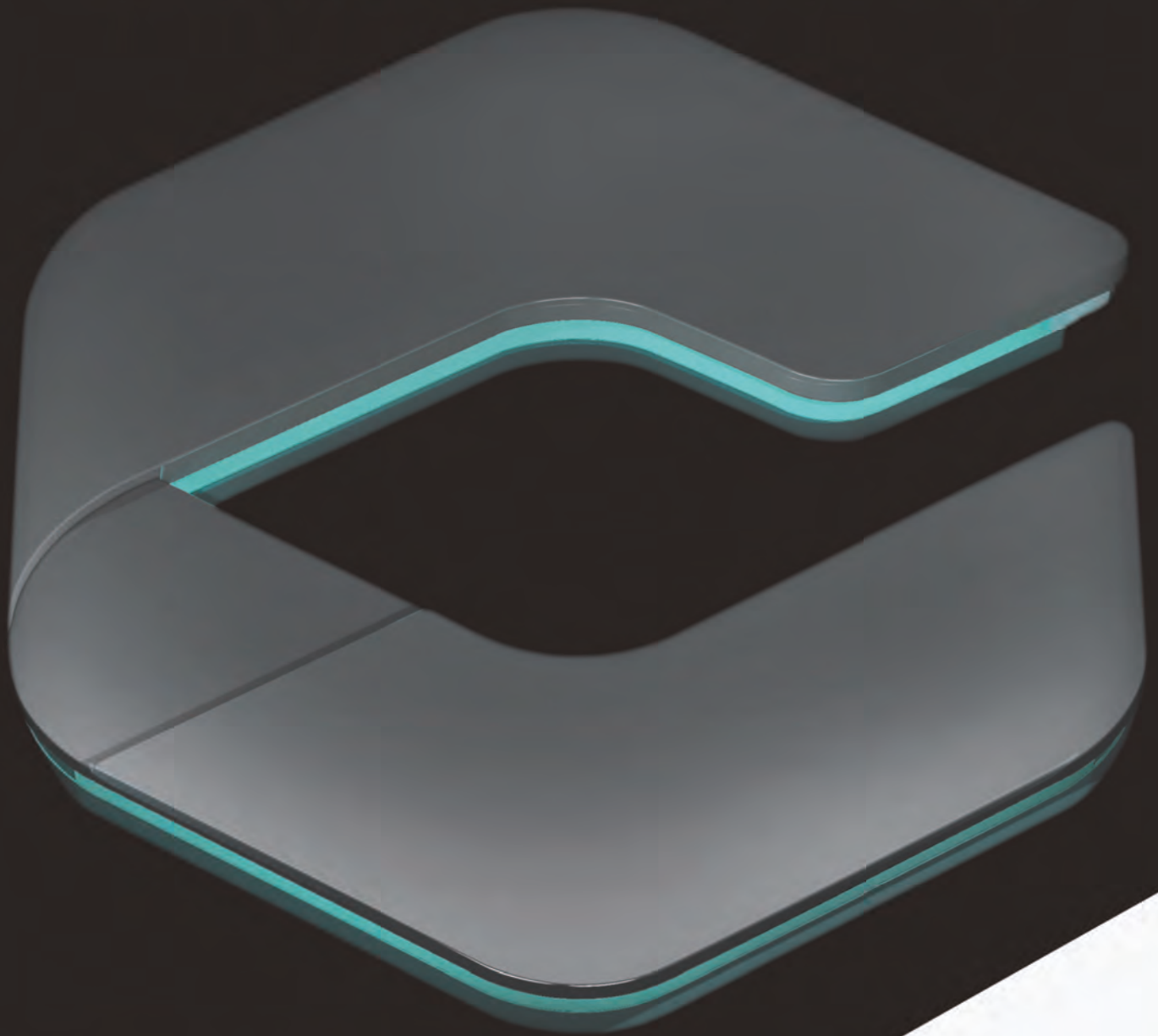
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Clinomics Angus

JUDGES SYMPOSIUM

On the 29th of August 2017 the Angus Judges gathered at the VANSIA Stud's farm Vanwyksrus in the Bothaville district, Free State. The idea was to encourage all aspirant and current judges to evaluate Angus animals in a similar manner.

The Senior Judges held a meeting that morning in order to ascertain a correct protocol is followed in the attendance, evaluation, passing and promotion of learner, junior and senior judges. The Judges Panel was also updated as many of those listed were no longer involved in the cattle industry. It was also discussed that all Senior and some Junior Judges can and should assist with inspections in certain areas.

A further discussion took place in promotion of the judging of Angus cattle. It was decided that information courses should be held in various regions, after which a judging course would be held, as not all participants want to judge cattle. The information course would be of greater value to interested parties and out of those, would arise those interested in judging cattle.

The ever declining number of livestock shows also came under the spotlight. The Angus Judges were unanimous that there should always be a Junior Angus judge with a senior at all Regional and Provincial Angus Championships. In such manner, the Junior Judge would get the necessary experience and exposure in order for promotion to the senior level to be considered.

The following day the judges gathered for the Angus Judges' Seminar. The Senior Judges, supported by Council, felt it appropriate that a discussion was important to enable all judges to have similar viewpoints in respect of:

- Judging guidelines
- Focus points: males with emphasis on masculinity
- Focus points: females with emphasis on femininity
- Preparation of animals for a show
- Show uniforms for handlers
- Motivation for placements
- Over-conditioned animals
- Points of discrimination
- Stature of Angus cattle
- Show classes
- Etiquette
- Culling ■



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BACK: Basie Bezuidenhout, Danie Dames (Clinomics), Chrisjan du Toit, Rudi Buys, Klasie Loubser, Hannes Muller, Loutjie Campher, Kevin Miles and Louren Campher FRONT: Basie Blignaut, Andrew Masterson, RC Malherbe, Martiens le Roux, Carl Moller, Anton Pelser, Linette van Niekerk, Piet Delport, Chris Purdon



Baie Bezuidenhout and Klasie Loubser, "net 'n bietjie..."



Anton Pelser, Chris Purdon and Chrisjan du Toit discussing the events of the day.



Louren Campher (Senior Judge), Rudi Buys (Junior Judge) and Kevin Miles (Senior Judge).



One of the females present, judging the Angus Judges...



Linette van Niekerk keeping score in the kraal at Vanwyksrus. Tough business, working for farmers!



Danie Dames from Clinomics, the sponsor of the Angus Seminar, and John Boule, Angus Breed Director.

Special thanks to Piet Delpoit for leading the seminar and Kevin Miles for his input.

Thank you to the Steyn Family (VANSIA Vanwyksrus, Bothaville) for your hospitality and for hosting the Seminar.



Judging is serious business. Basie Blignaut (Senior Judge), Piet Delpoit (Senior Judge and Organiser of the Judges Seminar) and Andrew Masterson (Senior Judge and Chairman).



Judges were required to judge bulls, heifers and cows at the seminar. They also discussed if a calf should be allowed in the show ring or not.



You have to see how the bull moves... Loutjie Campher with one of VANSIA's prime young bulls.



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South African Livestock Breeders keeping up with the Genomics pace.

Genomics has become the word on everyone's lips in the livestock breeding industry. Genomics is a collective description of the complete genetic makeup or code of all living organisms. In the case of farm animals, it basically quantifies how each animal differs genetically from the next. Put in another way, how different animals will differ in the synthesis of body proteins by means of enzymes formed due to the differences in genetic code present in then nucleus of each body cell.

It will be beneficial for livestock breeders and other producers to know how these differences in codes among animals will affect performance related to reproduction, mothering ability, growth rate end efficiency, condition score, survival, meat and carcass quality and other properties of economic importance. Each individual bull or cow possesses a code of approximately three thousand million base pairs on the 60 chromosomes in the nucleus of each body cell (except sex cells with half the number of chromosomes each). Specific sequences of base pairs, coded with one of just four letters (A, C T or G), determine the code for the synthesis of proteins. A specific series is known as a gene. In some cases, a specific form of the gene will radically influence the performance or physical appearance of the animal. Examples of such effects are hair colour, double muscling and polled (versus horns). In these cases, where a single gene has a marked influence, a laboratory test is usually developed where the locus (place or locality) on the chromosome can be determined. The biggest challenge, however is that most traits or properties of economic importance are influenced by a multitude of genes, called additive genes, on different chromosomes, each with a very small influence. A further complication is that the expression

or performance for these traits are also influenced by external, or environmental influences. Depending on the base pair code, each of these genes can have different forms (alleles) either enhancing or thwarting the expression of the trait and therefore the performance of the animal. It therefore makes it impossible to detect each of these genes and to determine the exact effect of each (although some have a more pronounced effect and the information is sometimes used in selection of livestock). The adage of each of the “additive” genes' effects (positive or negative) collectively contribute toward the genetic merit of the animal. This is also known as the breeding value of the animal.

Till recently, the best way of predicting an animal's breeding values is to use a combination of pedigree information, performance relative to contemporaries subjected to exactly the same environmental constraints and determining the proportion of the performance caused by transferrable genetic differences (the “heritability” of the particular trait). The first important requirement is therefore known parentage. Each animal receives it total genetic code from its parents, from nowhere else. Related animals share identical replicas of parts of their genetic code. For example, full sibs (parents and progeny of full brothers and sisters) share 50%

identical genetic code. The only problem is that the identical parts of related animals are not known due to the randomness of sex cell division and allocation of parts to the chromosomes of sperm and ova. Practically it means that, although the relatedness of two animals are known, for examples- half sibs with as 25% relationship, the actual codes or part of the chromosomes in common will be unknown.

The genetic merit of an animal becomes clearer, once it has been recorded for the specific trait and the recordings of its parents are also known. The accuracy of this prediction is further enhanced when its sire (and dam) has many recorded progeny. Obviously, the ultimate enhancement in prediction accuracy is many recorded progeny as each share 50% of the genetic code of the parent.

Although the exact genetic code on the genome, causing the performance differences of the progeny is still unknown, certain conclusions can be made in terms of the genetic merit of the animal as a parent (its breeding value). The most successful methodology to predict the genetic merit of livestock, based on all the inputs, is known as Best Linear Unbiased Prediction (BLUP) of the true breeding value of each animal.

One can rightfully ask, what if a very accurate prediction is still a requirement but in the absence of some of the information. This is the case where an animal is still too young to be recorded for a trait, as is the case for longevity or the trait can only be measured on one of the sexes, like female fertility and maternal ability. The only practical solution, for BLUP breeding values in these cases, is to allocate a breeding value based on the most likelihood of allocation of the genetic code, in the case of parents and progeny, such progeny's predicted genetic merit will be half way between those of the parents

(also called a mid-parent value). It is however known that, even in the case of full sibs, progeny of two parents can differ substantially. This mid-parent allocation can therefore be an over or under prediction and this will only be known once the animal or its progeny are measured.

The accuracy of this prediction is further enhanced when its sire (and dam) has many recorded progeny.

This can take a long time and carries its own risk. By then many progeny of such a bull or ram will be part of the herd or flock.

To address the challenge, geneticists started to investigate possible relationships between parts of the animal's genome (the "code") and each specific animal's breeding value.

Genomic tests will reveal between seven thousand to as many as 700 thousand base pair code of the whole genome of more than 3 000 million. These are therefore beacons or markers on the genome landscape. The first approaches were levelled at obtaining information of BLUP breeding values and the testing of as many as possible animals with high accuracy breeding values (or simply recorded for the traits) for their genomic information. The objective was to establish the effect of a series of genomic code or base pairs on the breeding values for the traits. This became known as "SNP effects" or sometimes the "SNP key". To increase the accuracy of calculating these SNP effects, thousands of animals are needed to act as "reference population", especially for traits of lower heritabilities and where BLUP breeding values are not available. Initially the minimum was set at one thousand reference animals, subsequently it was increased to tens of thousands. The reason for this increase was to increase the accuracy of calculating the key.

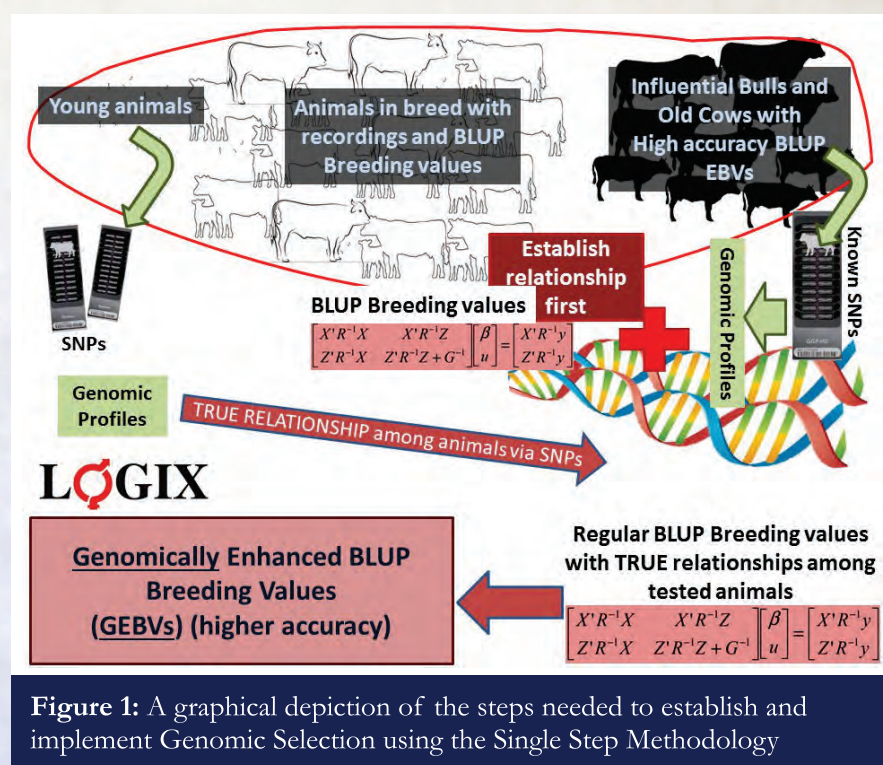


Figure 1: A graphical depiction of the steps needed to establish and implement Genomic Selection using the Single Step Methodology

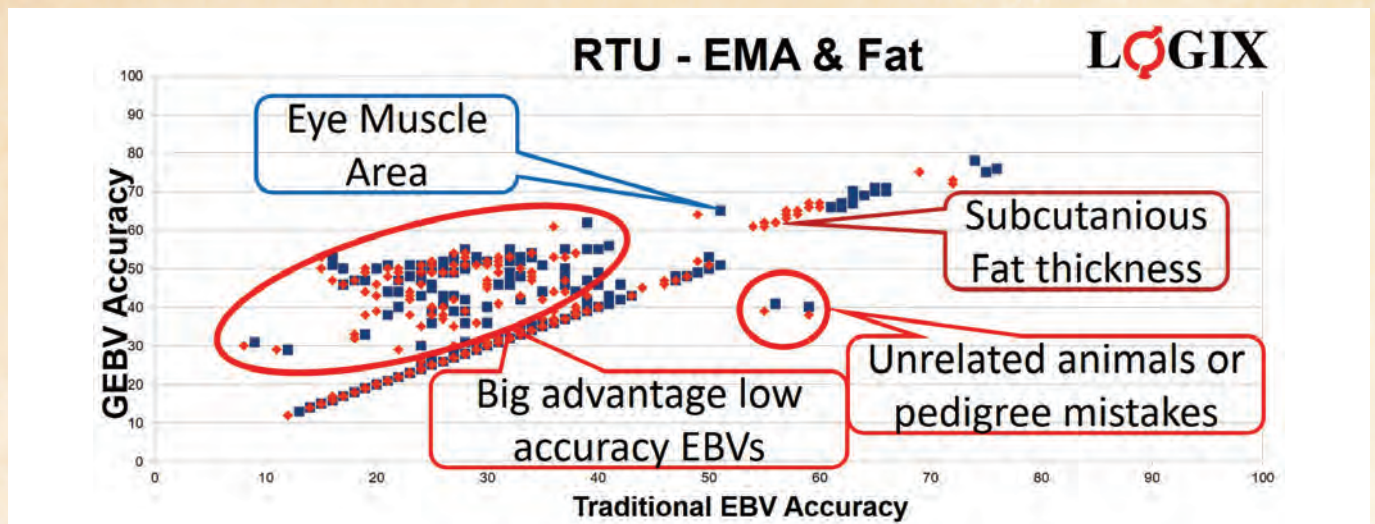


Figure 2: Example of higher accuracies in Genetic Merit Predictions (GEBVs vs EBVs)

With the key known, the genetic merit of young animals can be unlocked. However, to do this successfully, the parent average BLUP breeding value as well as the animal's genomic profile are needed.

Therefore, more than one step is needed for genomic breeding values. With only the genomic profile of an animal known and applying the genomic key, the result is known as a "Direct Genomic Value" or DGV. DGVs have a limited prediction ability without a proper BLUP parent average available. The combination of the two values (BLUP parent average and DGV) in the correct manner, results in a genomically enhanced breeding value (GEBV).

Globally, GEBVs based on this method, also known as the "Two Step" method, are presented to breeders. The prerequisite is still that large reference populations are needed and maintained (as the "key" changes over time) at a cost of millions. Many countries still use this method.

Locally, Stud Book is in the fortunate position to bypass the Two Step method to apply the very latest technological development. A brilliant recent development is the application of the, so called, "Single Step" methodology to include genomic

information in BLUP breeding values. This method simply uses the true relationship among animals, obtained from genomic information, as correction to the previously assumed relationships when based on pedigree information alone. Therefore, all guess work due to the randomness of inheritance are adjusted. This method also relies on other truths, like the fact that animals of the same breed or line are more related to each other than animals of a different breed or line. As soon as the true relationships among animals with known genotypes are adjusted, "normal" BLUP breeding values are calculated for all animals in the population (breed).

Two Stud Book beef breeds are already receiving single step genomic breeding values and others will follow in the near future.

WHAT ARE THE ADVANTAGES FOR BREEDERS?

The biggest advantage is the reduction of low accuracy BLUP breeding values. A simple example is for a trait like milk (maternal ability) BLUP breeding values in beef cattle. Typically, a two to three-year-old bull will be offered for sale at an auction. The BLUP breeding value for milk will then be based on a mid-parent

value, the average of the sire and dam, simply because no measurement can take place on the bull neither had any of the weaning weights of his daughters' calves been recorded. If a genomic profile of such a young bull can be obtained, the accuracy of the BLUP breeding value prediction can be increased to the equivalent of that of a six-year-old bull with between 5 and 10 recorded weaned calves from his daughters. Depending on his true relationship with other bulls, recorded for feed intake, the accuracy of prediction for feed efficiency will also drastically increase.

The other bonus, where the genomic profiles are known, is that parentage guess work will be something of the past. The present genomic tests available to Stud Book make use of an access of fifty thousand markers (base pairs) confirming exact parentage or even parentage exploration in the population, something that was not possible up to now. All breeders can use this technology to their advantage.

The Single Step is a giant leap for the accurate prediction of genetic merit in potential selection candidates. Risks in choosing the wrong herd sire are reduced. This can change the most expensive decision to be the most profitable one. ■

SPOOR ANGUS

Ons teel kwaliteit Rooi en Swart Angusse op strawwe rooiwater- en galsiek-weiding te George, Suid-Kaap.

SPOOR ANGUS STOET bied Top Rooi en Swart manlike en vroulike diere op die eerste gesamentlike prestige Angus veiling van Spoor en De Panne Angus-Stoeterye aan op 21 Julie 2018 te De Panne, Moorreesburg 11vm.

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AGRI-EXPO 2017

Die Agri-Expo het plaasgevind op 12, 13 en 14 Oktober 2017, na afloop van die Algemene Jaarvergadering op die Sandringham plaas buite Stellenbosch.

Photos by Jan van Dyk



Johan Ehlers (CEO, Agri-Expo), Basie Bezuidenhout (Junior Judge) and Kevin Miles (Senior Judge) at the AGRI-EXPO 2017 held on Sandringham farm, Stellenbosch.

Te midde van 'n feestelike atmosfeer van die expo, was die deelnemers gewikkel in 'n stawwe kompetisie om met die louere weg te stap.

Andrew Masterson van Humansdorp het geskiedenis gemaak deur beide die Gouebeker (BKB Vleiskoniging), sowel as die Gouebeker in die Suiwelkompetisie (FNB-Suiwelkoniging) te verower.

Volgens Johan Ehlers (Hoof Uitvoerende Beampte Afri-Expo) is dit 'n besondere prestasie vir een teler om beide die interraskampioenskappe te wen.

Mnr. Kevin Miles het opgetree as Senior Beoordelaar, met Mnr. Basie Bezuidenhout, in die rol van Junior Beoordelaar.

Angusbeeste van 'n baie hoë gehalte is vertoon en die volgende kampioene is aangewys:

Groot Kampioen Vroulik (Rooi): Windmeul Anny (80074958) van Windmeul Angus (Vennootskap T. Bruwer en P. Veldhoen). Windmeul Anny was die Senior Kampioen koei Rooi Anguskoei op die expo.

Groot Kampioen Vroulik (Swart): Milagro Power 1324 (78780798) van die Andrew Masterson Familie Trust. Milagro Power was die Senior Kampioen koei van die Swart Angusdeelnemers, asook die Kampioen koei in die vleisbees-interraskampioenskap en sy is aangewys as Opperste Kampioen in die vleisbeesafdeling op die expo.

Groot Kampioen bul (Rooi): Milagro Nescafé 1413 (79482576) in besit en vertoon deur Roland Bouwer, geteel deur Andrew Masterson Familie Trust. Milagro

Nescafé was die Senior Kampioen Rooi Angusbul.

Groot Kampioen bul (Swart): De Panne International (83382036) van Mnr. Jannie Kotzé van Moorreesburg. De Panne International was aangewys as Junior Kampioen Swart Angusbul en was ook die wenner van die Junior bul-afdeling op die vleisbees-interraskompetisie op die expo.

Volgens Agri-Expo se persverklaring het sowat 20 telersgenootskappe die Agri-Expo Livestock ondersteun. In die vleisbees-interraskampioenskappe het 11 rasse in ses verskillende klasse meegeding en het sowat 14 000 mense die expo oor drie dae bygewoon. ■



RED ANGUS Senior and Grand Champion
Female WINDMEUL Anny (80074958)
Windmeul Angus (Partners Theuns Bruwer &
P Veldhoen), Theuns Bruwer & Frankie Domen

BLACK ANGUS Junior and Grand Champion Bull.
Beef Interbreed Junior Champion Bull. DE PANNE
International (83382036) Chirsville Arnoldus, Jannie
& Annie Kotzé (De Panne), Johan Ehlers
(Agri-Expo) and Hein Vollgraaff (BKB)



RED ANGUS Senior and Grand Champion Bull.
MILAGRO Nescafé 1413 (79482576). Bred by
Andrew Masterson Family Trust and owned by
R.N. Bouwer, Roland Bouwer (owner) and
Christoff Marais (cattlemanager)



BLACK ANGUS Senior and Grand Champion
Female. Winner of the Interbreed Supreme
Beef Championship (Beef Queen). MILAGRO
Power 1324 (78780798), Andrew Masterson
Family Trust, Danwill Daniels (Milagro),
Andrew & Colette Masterson (Milagro), Hein
Vollgraaff (BKB) and Johan Ehlers (Agri-
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7 August 2018
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Ultrasoniese karkas skandering van vleisbeeste

Frans Jordaan en Dr Ben Greyling

Nasionale Vleisbeesaantekening en -
Verbeteringskema

TEGNOLOGIE

Ultrasoniese klankgolwe beweeg teen 'n frekwensie wat die menslike oor nie kan hoor nie. Die mens hoor net frekwensies van 20-20 000 hertz, terwyl ultrasoniese klank bokant 20 000 hertz beweeg, naamlik teen 1-10 megahertz. Vlermuise gebruik ultrasoniese klank teen 25 000 - 500 000 megahertz vir navigasie en om prooi op te spoor.

Gedurende ultrasoniese skandering beweeg die klankgolwe deur die dier se sagte weefsel en die spoed waarteen dit beweeg, word deur die digtheid van die tipe karkasweefsel beïnvloed, soos vet, spier of been. Vir karkas-evaluering word normaalweg 'n frekwensie van ongeveer 3,5 megahertz gebruik.

Om die ultrasoniese klank te genereer, word 'n skandeerder gebruik en 'n video-skerm lê die beelde vas. Dit is in beginsel dieselfde tegniek wat gebruik word om ondersoeke vir dragtigheid en swangerskap te doen.

Die beelde wat gegenereer word wanneer beeste geskandeer word, word vertolk as vetdikte (in millimeter), oogspiergrootte (oppervlakte in vierkante sentimeter) en intramuskulêre vet (marmering of binnespiersvet as 'n persentasie).

TEGNIK EN TOERUSTING

Die LNR beplan om al die ou “Aquila Pro Vet” masjiene uit te fasseer en te vervang met die verbeterde “My Lab One Vet” masjiene. Die basiese komponente van ‘n masjien is die skandeerder, wat uit ‘n ASP18-skandeerder (“Aquila Pro Vet”) en monitor bestaan. Beide masjiene word vanuit Nederland ingevoer. Ultrasoniese klankgolwe word deur die skandeerder gegenereer en deur die dier se liggaam gestuur wanneer die skandeerder teen die dier se liggaam gedruk word. Omrede die digtheid van die verskillende

weefsels (vet, spier, been) van die dier se liggaam varieër, word die klankgolwe teen verskillende snelhede terugweërkaats en ‘n beeld vorm op die monitor.

Spesifieke posisies is as skanderingspunte geïdentifiseer. Meting van onderhuidse vetdikte oor die ribbes word tussen die 12de en 13de ribbes geneem, driekwart op die ronding van die oogspier vanaf die middel van die rug. Die onderhuidse vetdikte oor die kruis word tussen die 3de sakrale werwel en die sitbeen gemeet. Die oogspier se grootte (oppervlak) word ook tussen die 12de en 13de rib geneem deur ‘n

“dwarssnit” van die oogspier met die skandeerder te neem. Die buitelyn van die oogspier word bepaal deur van die beeld op die monitor gebruik te maak en daardie area word gebruik om die oogspieroppervlak te bereken.

Die spesifieke area op die dier waar die skandering gedoen word, word vooraf met ‘n jel of olie gesmeer om te verseker dat goeie direkte kontak gemaak word tussen dier se vel en skandeerder. Dit verhoed moontlike steurnisse en sodoende word ‘n beeld met maksimum kwaliteit verseker.



Die oogspier oppervlak soos dit verskyn op die monitor van die “My Lab One Vet” masjiene.

AKKURAAKHEID VAN DATA

Ultrasoniese skandering van lewende diere vir karkas kwaliteit is reeds ‘n algemene praktyk in Suid-Afrika en verskeie ander lande. Omdat die LNR die mandaat het om namens die regering die Nasionale Veeverbeteringskemas te bestuur, bied hy dienste soos ultrasoniese skandering teen ‘n gesubsidieerde tarief aan wat dit baie bekostigbaar

maak. Die LNR is ook ‘n onpartydige en geakkrediteerde instansie vir die insameling van betroubare, akkurate data. Tegnici word driejaarlik geëvalueer om akkuraatheid en herhaalbaarheid vir akkreditasie te bepaal, waarvolgens die diere geslag en die metings met fisiese metodes op die karkas herhaal word.

“

Gedurende ultrasoniese skandering beweeg die klankgolwe deur die dier se sagte weefsel en die spoed waarteen dit beweeg, word deur die digtheid van die tipe karkasweefsel beïnvloed, soos vet, spier of been.

VOORDELE VAN KARKAS SKANDERING

Die groot voordeel van ultrasoniese skandering is dat sekere karkasdata versamel kan word sonder om die betrokke diere te slag. Dit is natuurlik baie goedkoper as om nageslag van 'n bul te slag en die metings op die karkasse te doen. Dit beteken ook dat bulle wat vir teling aangewend word, se genetiese potensiaal vir sekere karkaseienskappe reeds op 'n jong ouderdom bekend is.

Volgens navorsing is hierdie karkaseienskappe oorerflik, met ander woorde die bul kan sy karkaseienskappe geneties na sy nageslag oordra. Potensiële teelmateriaal kan geskandeer en seleksiebesluite op grond van hierdie data geneem word.

KARKAS EIENSKAPPE

Oogspieroppervlak is 'n goeie aanduiding van 'n karkas se vleisopbrengs en hierdie eienskap is redelik tot hoog oorerflik, wat beteken redelike, akkurate, genetiese voorspellings kan met behulp van teelwaardes gemaak word.

Diere binne kontemporêre groepe, wat direk met mekaar vergelykbaar is, sal variasie en rangorde ten opsigte van die metings toon en 'n aanduiding wees van diere wat bogemiddeld in groepverband is.

Marmering verhoog vleis se sappigheid en geurigheid. In baie oorsese lande soos Amerika, Australië en Europa speel marmering 'n baie belangrike rol in vleisgradering en klassifikasie. Dit word ongelukkig nie in die Suid-Afrikaanse vleisklassifikasiestelsel vir beesvleis in ag geneem nie.

Volgens navorsing is die korrelasie tussen onderhuidse vetdikte en marmering baie laag, met ander woorde daar kan vir marmering geselekteer word sonder om noodwendig onderhuidse vet te verhoog. Diere wat marmering met beperkte onderhuidse vet toon, kan binne 'n ras identifiseer word. Verbruikers diskrimineer te veel teen onderhuidse vet en sulke karkasse se gradering sal negatief beïnvloed word en derhalwe sal die diere met goeie marmering (maar met beperkte onderhuidse vet) meer gewens wees.

Namate beskikbare karkasdata vir 'n spesifieke ras toeneem, sal dit meer akkurate genetiese analyses moontlik maak en sal meer akkurate teelwaardes vir seleksiedoeleindes beskikbaar wees.



Die ou "Aquila Pro Vet" (regs) en nuwe generasie "My Lab One VET" (links) ultrasoniese skandeerders. Die ooglopende verskille is duidelik sigbaar t.o.v hanteerbaarheid en kompaktheid.



Plasingspunte vir skandering: V1nr: Onderhuidse vet oor die kruis, oogspiergrootte en onderhuidse vet oor die ribbes en oogspiermarmering. (Bul: FG 14 0245 Fredericksburg Angus Stoet, wenner van die LNR Nasionale Spesiale Prestasie Toetsklas 2016)

VERBETERING OP BESTAANDE ULTRASONIESE SKANDEER TOERUSTING

Skanderings dienste word al meer as 'n dekade deur die LNR aangebied as deel van die velddienste sowel as tydens die sentrale groeitoetse in bulloetssentrums. Tot onlangs toe is gebruik gemaak van die "Aquila Pro vet" skandeerders. Nuwer, verbeterde masjiene is

egter teen hoë koste deur die Landbounavorsingsraad aangeskaf en bied nou selfs meer akkurate karkas metings tot voordeel van vleisbees telers. Die ouer generasie masjiene se monitor laat mens terug dink aan die ou "swart en wit" televisie stelle wat ons almal nog goed kan onthou uit die verlede. Die nuwe masjiene se vertoon skerm is egter 'n plat skerm soortgelyk aan die hedendaagse hoë resolusie televisie stelle wat minimaal weerkaats in die

sonlig en die tegnikus se taak baie vergemaklik om die akkuraatheid en herhaalbaarheid van metings te verseker. Omrede die nuwe toerusting heelwat ligter en meer kompak is, vergemaklik dit ook hantering en gerief vir die operateur. Verdere voordele sluit in; 'n vergrote beeld, meer gebruikers vriendelike sagte ware, raak skerm ("touch screen") asook afstand beheer. ("Wireless")

Navrae oor ultrasoniese skandering en die verwerking en interpretasie van karkasdata en teelwaadres kan gerig word aan beamptes van die Nasionale Vleisbeesaantekening en -verbeteringskema van die LNR. ■

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'n Skets van die oogspier oppervlak op die karkas word tydens die akkreditasie gedoen.



Sagteware op rekenaar bepaal die oppervlak van die oogspier skets.



Tydens die akkreditasie word vetdikte op die kruis van die karkas gemeet.



Die tegnikus plaas die skandeerder op die posisie tussen die 12de en 13de rib om die oogspier oppervlak te bepaal.

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THE VOYAGE OF THE BULLS

Article by Joe Hollins, veterinary surgeon. Pictures by Alasdair Wyllie, Agriculture Adviser. Tristan da Cunha.

1,500 miles west of Cape Town and 3 degrees further south lies the world's remotest island settlement, the British Overseas Territory of Tristan da Cunha. In fact an archipelago of 4 islands, Tristan is the only one that supports a population - the village of Edinburgh of the Seven Seas which sits snug beneath a slumbering 2,000 metre volcano. This village of 260 souls is sited on a settlement plain extending some 6 kilometres along the foreshore, creating just over 1,000 acres of rolling, boulder-strewn grassland, the domain of 300 head of cattle. The backdrop is a 600 metre escarpment with grassy pediments grazed by about 1,000 domesticated sheep, but flocks of wild sheep also roam the upper volcano and are harvested for meat on an ad hoc basis.

Apart from regular employment to run the island and its waters, the community leads a farming and fishing existence, placing a heavy reliance on fish, potatoes, mutton and home grown beef. In fact the rearing and care of livestock is intrinsic to the culture of the island and animals are individually owned, making the herd not so much one herd, as an amalgamation of 100 or so micro-herds. Government takes on the tasks of refreshing the genetics and managing the pasture.

Although summers can be warm with grass in abundance, the winters are cold and wet, with an added wind chill blowing off the South Atlantic. There is little scope for growing fodder and none for conserved forage, and the cattle are overwintered outside, so the necessity is for a good hardy beef breed that finishes well on grass. 'Native' breeds are the best for these conditions, old traditional breeds created to thrive in difficult



environments with little access to luxuries such as concentrates, created by bygone farmers who bred from generation to generation until they achieved their goal. Breeds such as the Welsh Black, Hereford and – supreme among them – the Aberdeen Angus.

Although we performed some AI this year to enhance the herd and to select some half-pedigree sires, we needed both a stop-gap and a fast boost to the island stock and so turned to Aberdeen Angus breeder, Klasie Loubser, who had previously supplied the island with a bull. Logistically, this is a bit of a challenge – and that's a bit of an understatement. We hedged our bets with the purchase of two bulls, a red and a black, just in case disaster befell one during so much hazardous transportation. But it was also so that we had two new sets of genetics to mix into the gene pool, and to provide each other with company – vital for gregarious herd animals.

How do you transport two 16 month old bulls over 1,500 miles of heaving ocean on an old cargo vessel? The answer is: not easily. But this tall order would have been impossible without the diligence, perseverance and ingenuity of Klasie. Complicating matters – but sensibly – part of my professional role as the island vet is to ensure

the biosecurity of the island by setting up health screening. Biosecurity can be loosely defined as taking measures to prevent the invasion of pests and diseases that can affect agriculture, the environment, and the populace. For an isolated island with one cattle herd this is paramount, and it required me to draw up a veterinary certificate stipulating tests for some of the principal production diseases: TB, brucellosis, BVD, EBL, salmonellosis, John's, IBR, and the two venereal diseases *Campylobacter* and *Tritrichomonas fetus*. All of this was smoothly and professionally undertaken by Klasie's vet, Dr Izak Rust and state vet Dr Sewellyn Davey, and all with negative test results.

Then the actual physical logistics, the real challenge. Klasie researched the construction of a crate, but the long and the short of it was that the cost proved too great, and the durability inadequate. A major consideration loading and offloading a crate with more than 1½ tonnes of mobile bovines inside was what would happen if the animals fell or rushed to one end. Disaster. The solution was elegant and practical. Under Klasie's guidance we instructed our agents to purchase a

"A major consideration loading and offloading a crate with more than 1½ tonnes of mobile bovines inside was what would happen if the animals fell or rushed to one end. Disaster. The solution was elegant and practical."

20 foot container which Klasie then engineered into a fine double-ended bull pen. A last minute crisis – and every project like this has to have one – necessitated some modifications to the design, but Klasie pulled out all the stops to beat a very tight deadline, and our agents Table Bay Marine worked hard to facilitate everything. Meanwhile – we were on tenterhooks. The next appropriate ship was 3 months away and into the start of our breeding season, yet we wanted to settle the bulls into their new environment and get them used to different forage, so this October ship was not to be missed.

The resultant creation was perfection. A central access door to the middle of the container with a bull pen at each end, created with cattle hurdles pinned to welded brackets; reinforced drainage holes and vents; welded iron hoops for half plastic barrels containing feed and water; and steel mesh stapled to the wooden floor for adequate grip. On October 27th 2017 the blue container complete with two bulls bedded on sawdust was swung onto the deck of the MV Baltic Trader in Cape Town docks, and affixed to the on-deck container brackets, and with 800 tonnes of cargo, a puppy, and one passenger called Bernard, the vessel set out on her 10 day voyage.

It would be easy to think that was that. But Tristan does not have a docking area: the sea is frequently hostile and the shores treacherous. In fact there are no moorings, and no vessels of any sort are left in the harbour but are routinely craned ashore. All cargo is unloaded from the ship at anchor onto large very buoyant rafts each capable of carrying 20 tonnes and powered by two 150hp outboards. The rafts then have to shoot the surf that frequently gathers in the narrow harbour mouth, the cargo is unloaded by crane onto tractors and trailers, and they then have to negotiate the steep harbour road up onto the settlement plain above. For heavy, anxious bulls, far too much scope for a broken leg.

When the Baltic Trader appeared on the 6th November and dropped anchor, conditions were a long way from perfect. She was rolling heavily in a side swell. We went out on the raft and my Tristanian colleagues assessed the situation. It was touch and go, but they decided to try unloading just the bulls, the puppy, and the passenger. Sometimes a week of bad weather can pass before another opportunity arises. And so we boarded by rope ladder and the task began. I am full of admiration for the Tristanians who are born to the sea and live through the sea. They are master seamen and superb stevedores.

In what can only be described as dangerous conditions, they fought the swinging hooks and flailing chains of the derrick, and then, when the container was air born and began to swing perilously, they heaved on a spider's web of ropes passed through deck ringbolts to gain some control. Now poised over the sea, the container spun around and lodged against the topside of the vessel end-on, but again they fought it back and with perfect timing dropped it onto the tossing raft just avoiding a heavy landing. A swinging derrick, a rolling ship, a windy day, a tossing raft on a heaving sea, and a 4 tonne container twisting on chains with agitated livestock inside: a far cry from unloading onto a rock solid wharf.

Without a doubt this was stressful for the bulls. The fitting of the chains alone, when I was still inside with the animals trying to calm them, was utterly deafening against the metal container. But it was unavoidable. The good news is that we successfully managed to move the container to our Home Paddock, settled them nicely overnight, then released them onto the green grass next morning. If anyone has seen cattle being freed onto spring grass after overwintering indoors, they will know that they frolic with joy. It's a wonderful sight. When we released the two bulls onto the firm soil of their new home to an eager watching crowd, they did exactly that. They have been much admired for their excellent conformation and astounding size for age, and they will undoubtedly greatly enrich the island's bovine genetics. We are very grateful to Klasie Loubser and all those involved in this difficult operation for their help to bring it to a successful conclusion. There will be many calves to follow. ■

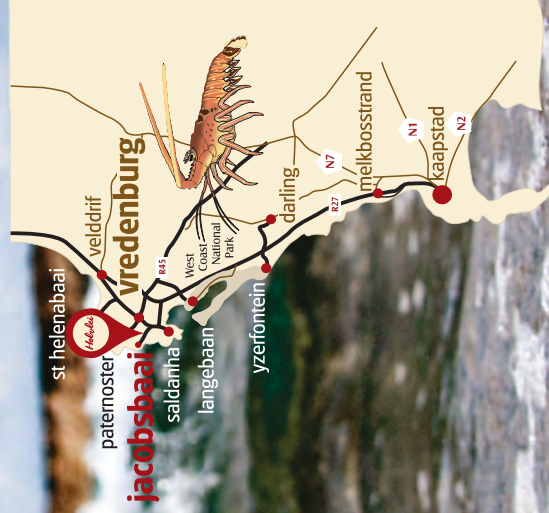


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Invermooi	Fred (Manager)	033 266 6416	X	X
Netherwood	Taylor (Manager)	072 355 2770	X	
	Rob (Owner)	082 573 7424		
Lovu	Friedel	082 774 9901	X	
Shalom	Fergus	082 786 7161		X
Shanton	Kevin	082 552 1722	X	
Tashinga	Douglas	082 413 9801	X	X
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Foleshill	David	083 277 7933	X	X
NON ACTIVE				
Lynn Marwick		033 212 2728		
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ANANIËL

Landgoed

by John Boulle

Hendrik Botha has won Commercial Angus Producer of the Year twice, once in 2014 and again in 2017, for very good reason which this article will explain why.

Hendrik and his wife Janène form an integral team and he has been farming since 1995. They have a variety of inter-related components in their operation which includes a large Angus commercial herd, Merino hamel flock, a small feedlot and cropping of maize, sunflowers and soyabeans which are mostly planted by minimum tillage.

INTEGRAL COMPONENTS

Grain produces 60 % of the business income whilst the livestock section accounts for 40 %. Each crop contributes to the food chain in a slightly different way/manner.

Maize

The crop produces grain which is sold (large portions of this is done on a contractual basis) and the balance is used as part of the feedlot ration and the rest in various lick mixes for both the cattle and the sheep.

What is interesting is that 6 % of the crop is ensiled and here Hendrik believes in cutting the best looking maize to yield 2 000 to 3 000 tons of maize. This is mostly used in the feedlot ration. "Too often" he states "the farmer cuts the worst looking maize for silage and ends up cutting more of the crop he bargained for as the poor looking maize actually yields less plant material than a good stand of maize."

As a crop farmer, he is able to utilise the maize residues during the winter, a fact that is often overlooked by maize farmers as his harvested lands carry

Commercial Angus cow notice great conformation



the beef breeding herd for 5 months (May through September). This is a significant saving as he would otherwise have to have extra spare veld or other conserved fodder, e.g. hay in order to feed his cattle herd during the winter period. Maize stover almost doubles his carrying capacity. The bonus is that after the cows have gleaned the harvested maize lands, the sheep are turned in to “clean up”. “There are a lot of cobs left over with a generous helping of mealie pips. The sheep are able to scavenge this and ensure that the lands are clean and at the same time, are feeding themselves. Such a second gleaning is underestimated by many a farmer” says Hendrik.

Soya-beans

This crop is grown entirely for its grain production mostly sold on contract. However, the residue is utilised by the sheep section as they are able to pick up the left-over beans post harvesting. Together with the plant residue, Hendrik is able to run sheep on these lands which saves his veld and reduces his feed costs.

Sunflowers

This grain crop is grown for sale, but the residues are also utilised by the livestock. Although this looks like dry stalks, the cattle seem to maintain their condition excellently, probably because they are able to eat the whole sunflower head left behind after harvesting.

Cattle

His father commenced beef production using crossbred cows and registered Red Angus bulls from an old Angus stalwart, Hannes Muller who was farming in the district. Hendrik's love for Angus was developed at an early age and he continued using registered Red Angus bulls since assuming control of the farm.

“The Angus gives me the following and more, and that is why I am a committed Angus breeder. Polled, small red coloured calves at birth, excellent weaning weights with well above average fertility are the factors which astound me year-after-year and even continue when it is dry.

I identify a number of bulls on a sale of breeders with whom I have developed a long-standing relationship. The bulls must have an acceptable birth mass with above average breeding values. I then inspect their ability to walk as well as their overall conformation. Consequently I often find myself in bidding against stud breeders for a good bull. I find that I often have to pay a top price for a good bull.”

I can attest to that as Hendrik's Angus cattle are of excellent quality as the accompanying pictures show and that they are comparable to many stud cattle. This certainly justifies using top quality bulls in his commercial herd and the resultant performance in his feedlot.

Hendrik buys his bulls as 2 year olds and tries to keep bulls bought together at the same sales together, in order to prevent fighting to establish dominance. Even if he buys 3 bulls from the same sale, he runs all 3 together as they “know” one another.

Bulls tend to last 5-6 years and their removal from the breeding herds is mostly by physical attrition, e.g. broken hip, injured shoulder, foot problems etc. Currently Hendrik has a battery of 18 registered bulls and they are mated to cows in groups of 60 to 65. Due to the continuous use of Angus bulls, Hendrik has found it necessary recently to use Red Brangus bulls for a season or two, to insert some hybrid vigour and to smoothen the coats of the pure Angus types. Some of these crossbred heifers are selected as replacements back into the herd.

Breeding season

The main breeding season is 70 days which is 3 heat cycles. Breeding commences on 1st December and the bulls are removed 20 February. Currently Hendrik

Maize in January 2018.



Registered performance Red Angus bull used by Ananiel Landgoed



Angus first calf heifer with her calf



averages over 90 % conception (confirmed by his local veterinarian). However during the drought he is open minded to have another shorter breeding season, say 42 days, to get those cows pregnant which due to the dry conditions failed to settle in the first season. "I do this rather than to leave the bulls in longer because I then have two batches of even calves instead calves say spread over a 3 or 4 month period. Such a move would complicate my management of the cattle, which is vital in my integrated farming operation." If he were to use an additional breeding season and a cow is open, she would be shipped just like those which are open from the first breeding season, Hendrik has noticed that especially during the breeding season, cattle being mated in camps with plenty of shade are a lot more restful than those grazing in exposed camps.

Weaning

Calves are weaned across the fence at age six and a half months with an average weight of 240kg. This allows the cows to have a recovery time during the winter, and fits in with the other farming operations.

Heifers

Heifers are mated in April for 70 days, aged 18 months with minimum weight of 400 kilograms. They calve at 27 months and have a recovery time prior to joining the main breeding herd. This herd continues to be mated with original set of bulls used.

Sheep

Hendrik took pride in breeding sheep but with his integrated farming operation, had to make a strategic decision to drop the sheep breeding and rather concentrate on hamel farming. Why, you might ask? Sheep breeding as Hendrik sees it requires dedicated attention at lambing, which clashed with other

operations of his integrated system. Consequently he made a monumental shift to cease sheep breeding and commenced with the purchase of Merino hamels and the phasing out of the ewe flock. These hamels are run in two flocks and are shorn 3 times in 2 years yielding a sizeable wool clip. They are then sold between the ages of 5-6 years.

Interestingly, he employs the services on 2 Anatolian sheep dogs to guard the hamel flocks. *"They really work well"* says Hendrik, "as it not unusual for a jackal or rooikat to tackle a fully grown sheep." The fact that he has no lambs has considerably reduced his flock losses.

Feedlot

The last integrated part of his farming operation is a feedlot where Hendrik feeds 1200 animals per annum, including all his own weaners. This adds value to his product as he knows how they will perform and sells them with confidence to various outlets. He purchases calves from surrounding areas where the cattle are also Angus type as he knows how they respond to feeding.

"I utilize my own maize in the ration, including maize silage, maize chop and wheat straw, amongst others, in my ration. Self-produced maize is a considerable cost saving as it is a large portion of my feed."

The calves are pre-conditioned for 30 days prior to entry to the feedlot and then penned for approximately 120 days. Once they attained the correct body weight of 480-500 kg and good body condition, they are trucked for slaughter at facilities in Welkom, Bloemfontein or Kroonstad. *"I have slaughtered animals for the Society's SA Angus Beef programme with considerable success and continue to support the programme."*

Licks

Hendrik is fortunate to have inherited a small feed-mill from his late father, who was in pig production. In utilising his own maize, the staff are able to mix licks for all different classes of livestock every Tuesday. All staff assist in this task and NUPRO helped him with the compilation of ingredients of a winter maintenance lick whilst he uses the traditional phosphate summer lick.



Some of the Merino flock

Conserved fodder

Here is a classic example of how this brilliant young farmer thinks out-of-the-box. He planted teff last year and baled enough large round bales which serves as a fodder bank for emergency feeding. But he extends his thinking further and grows enough smutsfinger grass which he uses from January to May as a standing hay crop. In doing so, he is therefore able to utilize his natural veld in winter which is actually more palatable to the cattle. By grazing smutsfinger he saves on the cutting, tedding, raking and baling of the fodder and the cartage costs to storage and back to the lands where cattle might be fed such fodder. All of this would be an extra cost.

The bonus is that up to 70 % of the nutrients are returned to the soil by virtue of the dung and urine deposited by the cattle when grazing the pasture. A 30 % fertilizer top-up is all that which is required to bring the pasture back up into full production. If it is well managed, this pasture can last more than 10 years without having to replant.

Other innovative ideas

Gates The farm has double gates at all camp/field entry points which can be closed using an interlinking piece of chain as well as being able to be locked.

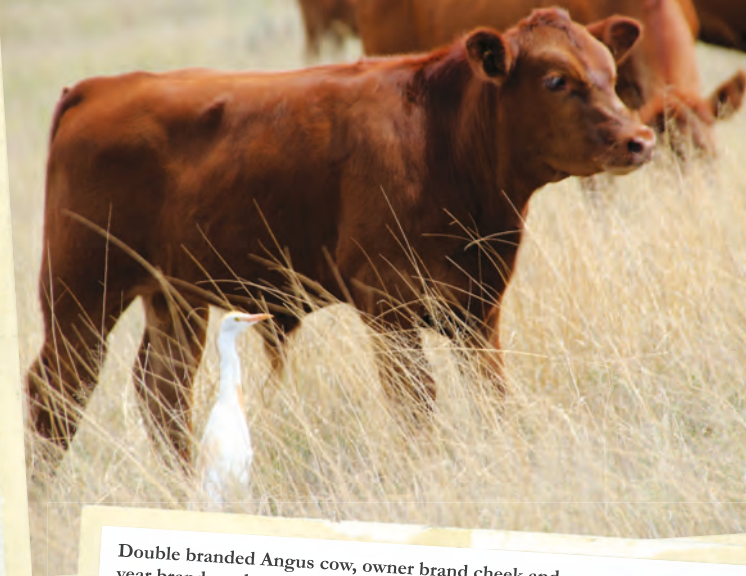
Drinking troughs All drinking troughs have been re-designed. The stainless steel floater has been introduced as other designs were stolen. The circular tank is surrounded by a 30 cm wide drinking surface which prevents calves falling into the normally open trough and subsequently drowning. The inlet pipe is at hip height at which it can easily be removed and replaced viz. it is not covered by concrete. The tank is built on slightly raised ground with a compacted skirt sloping downwards allowing for adequate drainage. *“Too many drinking troughs leak and have large stones around them which are a source of infection and irritation to the animals which want to drink clear cool water”* says Hendrik.

Branding After many years of trial and error, Hendrik has settled on freeze-branding. As is so typical of him, he stresses the preparation of the branding site is key to the success of the brand:

1. Shave off all the hair where the brand is to be applied.
2. Clean the site of all oily exudes using methylated spirits.
3. Apply the cooled branding iron (using liquid nitrogen) for 10 seconds only.
4. On the animal's left cheek is the owner's brand.
5. Left rump is the year brand
6. Right rump is the individual animal number.

Animals all have a plastic ear tag with the year and individual number *“but these can always fall out”* says Hendrik with a rue smile. ■

Quality Angus calves at Ananiel Landgoed.



Double branded Angus cow, owner brand cheek and year brand on the rump.



Hendrik and his sheepdog, Licka.



Rheeboksplaat Angusstoet

*"Ons teel mediumraambeeste met lae geboortemassa
en selekteer vir gehardheid."*



Jan van Dyke

Ceres

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Wenspan JK 13-21

Look at this bull's exceptional breeding values; one of the few bulls in SA with values over 100 for almost all traits.

The breeding values as released in the official Genetic Evaluation on 1 November 2017

'n Bul met uitstekende diepte en balans
MULBERRY x MAKATEES

	GEB DIR	SPEEN DIR	SP MAT	12M	VOLW GEW	GDT	VOV	SKROTUM	RAAMPUNT	LGT	MARMERING
Wenspan JK 130021	114	103	107	105	114	100	97	117	100	105	106
Rasgemiddeld	100	100	100	100	100	100	100	100	100	100	100

NISMARKTE

Die rol van nismarkte in die landboubedryf

Dr Herman van Schalkwyk

Group Chief Executive Officer /
Groep Hoof Uitvoerende
Beampte: Suidwes Groep



*Boschendal was aangien as Angus
Kommersiële kudde van die Jaar in 2016
en 2017 in die Wes-Kaap.*

*Hulle produseer sowat 80 ton
"grass fed Angus Beef" per jaar.*

Verandering, of die voordurende verandering, van die landbou-gebaseerde markstruktuur en gevolglik bemarkingsbenaderings, is heel moontlik een van die kenmerkendste eienskappe van die sogenaamde moderne landbou-omgewing waarbinne produsente hulself bevind.

Die stelselmatige verskuiwing van 'n hulpbron na 'n meer markgedrewe produksie, kan deels toegeskryf word aan die regulatoriese veranderinge wat onder andere tot die afskaffing van die beheerrade in landbou gelei het.

Die afskaffing van die beheerrade en die daaropvolgende ontwikkeling van die vryemarkstelsel het ongetwyfeld bygedra tot die stukrag, beide in terme van die ontwikkeling en van die ontginning van landbouverwante nismarkte. 'n Nismark moet nie bepaald geag word as 'n klein- of kleiner mark nie, dit is slegs klein- of kleiner omdat dit gedefinieer word in terme van iets groter. In die meeste gevalle is daar 'n bepaalde verwantskap tussen nis- en hoofstroom markte met nismarkte wat uit 'n hoofstroom mark ontwikkel of andersom. Die groei in omvang en aantreklikheid van nismarkte kan egter nie net toegeskryf word aan die afskaffing van beheerrade en die gevolglike ontwikkeling van die vryemarkstelsel nie. Die tempo van industrialisasie in die landbou, veranderende verbruikersvoorkeure en 'n toename in mededinging is

alles deel van die faktore wat die ontwikkeling en aantreklikheid van nismarkte oor die afgelope paar jaar gedryf het. Daar is ook 'n verwantskap tussen die drywers (faktore wat aanleiding gee tot die ontwikkeling en aantreklikheid van nismarkte) en die bepaalde rol wat nismarkte in die landbousektor vervul.

Die tempo van industrialisasie in landbou kan hoofsaaklik gekoppel word aan die ontwikkeling en aanneming van nuwe of verbeterde tegnologie. Tegnologiese ontwikkeling word hoofsaaklik gedryf deur die behoefte vir verhoogde effektiwiteit - 'n benadering wat algemeen gevolg word om die kosteprysknyptang, waaronder baie produsente gebuk gaan, teen te werk. Tegnologie is ook in baie gevalle die hoeksteen waarop mededingende voordeel gebou word, hetsy dit in die vorm van verhoogde produksievlakke (ekonomie van skaal) is, koste effektiwiteit, of die vermoë om 'n bepaalde mark of behoefte te bevredig. In verskeie gevalle verskaf tegnologie aan produsente ook die geleentheid om meer buigsaam te wees ten opsigte van produksiepraktyke, wat weer die

Nismarkte bied landbouprodusente die geleentheid om prysrisiko te mitigeer.

geleentheid bied om alternatiewe markgeleenthede te ontgin. Die laasgenoemde is veral van toepassing in terme van `n nismarkingsbenaderings waar die fokus op behoeftebevrediging is deur te verseker dat `n bepaalde produk, wat nie noodwendig `n unieke produk is nie, op `n bepaalde stadium in `n bepaalde marksegment beskikbaar is. Alhoewel daar `n verskil is tussen `n nismarkingsbenadering en `n nismark (fokus op `n unieke produk) is die rol wat dit speel, veral in terme van groter kommersiële produsente, nie betekenisvol verskillend nie. In verskeie gevalle is nismarkte of `n nismarkingsbenadering komplimentêrend tot die oorhoofse strategiese benadering wat gevolg word om die bepaalde doelwitte van die produsent te bereik. Soos genoem, die oorhoofse strategiese benadering is gewoonlik gefokus op koste-effektiwiteit, byvoorbeeld die verlaging van produksiekoste per eenheid, produksie deur gebruik te maak van tegnologie, of die najaag van ekonomie van skaal. Aan die ander kant bied nismarkte, of `n nismarkingsbenadering, aan produsente die geleentheid om waarde tot die produk toe te voeg sonder om noodwendig in die waardeketting te integreer of met die verwerking van die produk bemoeid te raak. Laasgenoemde is veral van toepassing op groter produsente waar die nismark slegs `n gedeelte van die teikenmark(te) is.

Vir kleiner produsente voorsien nismarkte die geleentheid om `n

mededingende voordeel te kry, wat nie net gekoppel is aan die gebruik van tegnologie of ekonomie van skaal nie. Terselfdertyd bied dit ook `n manier om mededingheid te beskerm of te vermy, veral in terme van kleiner nismarkte wat minder aantreklik vir groter rolspelers is, of mag wees. Dit bied produsente verder die geleentheid om te diversifiseer, hetsy in terme van die bemarkingsbenadering, produksie of beide.

Nismarkte bied landbouprodusente die geleentheid om prysrisiko te mitigeer. Pryssensitiwiteit en volatilititeit in nismarkte is kenmerkend laer wanneer vergelyk word met hoofstroommarkte. Die laer prysensitiwiteit kan hoofsaaklik toegeskryf word aan die verandering in verbruikersvoorkeure, toenemende gesondheidsbewustheid van verbruikers en die bereidwilligheid om `n premie te betaal. Die bereidwilligheid van `n verbruiker om `n premie te betaal, is egter direk gekoppel aan die waarde wat die verbruiker aan `n bepaalde eienskap of eienskappe van die produk koppel. Dit mag ook wees dat kliënte met soorgelyke kopersgedrag verskillende waardes aan verskillende produkeienskappe koppel. Produsente moet dus oor baie goeie kennis beskik, wat betref verbruikersbehoefte en voorkeure, en terselfdertyd verseker dat hulpbronne en produksiepraktieke belyn is sodat die bepaalde behoefte aangespreek word.

Spreekwoordelike voorbeelde van nismarkte of `n nismarkingsbenadering in die Suid-Afrikaanse rooivleisbedryf sluit onder andere die gesertifiseerde karoolam-inisiatief in. Dit maak gebruik van geografiese indikatore, vooraf opgestelde en ooreengekome standaarde, boerderypraktieke en ander kwaliteitkontroles om die produk te differensieer. Die totale premies wat verdien is uit die groep van 120 geregistreerde produsente,

het `n beraamde R1 miljoen gedurende 2017 beloop.

Ander voorbeelde van nismarkte of nismarkingsbenaderings in die Suid-Afrikaanse rooivleisbedryf sluit in: Beefcor Select, Braeside Free Range Grass Fed Meat, Certified Natural, Food Lovers Free Range, Fruit and Veg City Grassfed, GFASA (Grassfed Association of South Africa), Grassland Meat, Greenfields Free Range Beef, Guaranteed Natural, Woolworths Free Range Beef, Oak Valley Wagyu Beef en Angus Beef, om maar net 'n paar te noem.

Die tempo van industrialisasie in landbou kan hoofsaaklik gekoppel word aan die ontwikkeling en aanneming van nuwe of verbeterde tegnologie.

In die verlede was die fokus hoofsaaklik op die produksiebenadering-prosesse, byvoorbeeld vrylopend sonder enige groeistimulante, roetine antibiotika en/of ander voorafbepaalde dieregesondheidsmaatstawwe as basis vir produk-differensiasie. Die bekendste voorbeeld hiervan is heel moontlik Woolworths se “Free Range Beef”, met die diere wat afkomstig is van produsente in Namibië. Die voorgenome gesondheidsvoordele is die basis waarop gekapitaliseer word in terme van die “Free Range” benadering. Die sukses van die “Free Range” benadering kan

hoofsaaklik toegeskryf word aan die mate waartoe 'n marksegment gevestig word waarin genoegsame koopkrag en bereidwilligheid is om 'n premie te betaal, wat dit finansiële regverdig vir die produsent. Hierdie is ongetwyfeld een van die grootste uitdagings en moontlik die rede vir die mislukking van verskeie soortgelyke inisiatiewe in die verlede.

Handelsmerk-gekoppelde kwaliteit/standaarde (byvoorbeeld: Karan Beef, Certified Sernick Bonsmara Beef, ens) en die daaropvolgende verbruikersvertroue is 'n verdere benadering wat gebruik word as basis vir produk differensiasie in die rooivleisbedryf. Hierdie is meer van 'n nismarkingsbenadering, wat deur groter produsente en proseseerders gevolg word as wat dit 'n nismark is.

Die mees onlangse tendense toon egter dat rasverwante (genetiese) unieke produkteienskappe (marmering) meer algemeen begin gebruik word as basis vir differensiasie. Spreekwoordelike voorbeelde hiervan is onder andere die "Angus Beef" inisiatief asook "Kobe /Wagyu Beef" verwante nismarkte, wat tans ontwikkel word.

Hierdie is in lyn met internasionale tendense en met ras-gebaseerde unieke produkteienskappe wat al vir 'n geruimte tyd gebruik word as basis vir produk differensiasie in lande soos Amerika. Weereens, hierdie nismarkte is slegs volhoubaar indien daar genoegsame koopkrag en 'n gepaardgaande bereidwilligheid is om 'n premie te betaal, wat dit finansiële regverdig vir die produsent.

Die bostaande beklemtoon weereens die belangrikheid van goeie kennis van die mark, byvoorbeeld verbruikersvoorkeure, bereidwilligheid om 'n premie te betaal, koopkrag van bepaalde verbruikers, moontlike uitvoergeleenthede, ens. Ten slotte, die rol van nismarkte in die landbou is meervoudig. Die voorafgaande raak slegs aan 'n paar van die meer prominente rolle wat nismarkte in die landbousektor vervul. In die breë, bied nismarkte aan produsente 'n alternatiewe benadering om risiko te bestuur, byvoorbeeld waardetoevoeging (sonder om by produkverwerking betrokke te raak), mededingende voordeel te vestig, te beskerm of te vermy, prysrisiko te verlaag, ens. Nismarkte of nismarking is dus sentraal in terme van die strategiese benaderings om finansiële

volhoubaarheid van landbouprodusente te verseker en sodoende maak dit ook 'n bydrae tot werkskepping, armoede verligting en die stimulasie van kreatiwiteit. ■

Bronne

¹ Certified Karoo Meat of Origin, Nuusbrief #4/2017.
www.karoomeatoforigin.com



Geregistreeerde Angusbul van Boschendal (Wes-Kaap) in die swart kommersiële Anguskudde. Boschendal ontgin die nismark van Angus Beef en is verskaffers van "grassfed Angus Beef".

**SPOOR Joker geteel deur
Leon van Rooyen**



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Foto verskaf deur
Plaas Media.

Daan Bronkhorst
(Hinterland)
Phillip Lee
(Hinterland)
Leslé, Gerhard, Suré
en RC Malherbe
(Roechama)
Ben Marumo
(Roechama)

ANGUS

dominerend by 2017 Hinterland Nasionale Interraskompetisie

Deur Phillip Lee

September 2017 was die tweede keer dat die jaarlikse @ALFA (African Livestock Trade Fair) aangebied was by die Dome in Parys.

Die ekspo is een van die hoogepunte op die kalender van die veebedryf en voorwaar die vertoonvenster van die vee-industrie. Al die betrokkenis, in elke skakel van die veewaardeketting was daar, van die produsente tot die eindverbruiker. Dit is 'n geweldige interaktiewe ekspo met 'n wye aanbieding en maak voorsiening vir oud en jonk, boer en stadsjapie. 'n Moet sien vir diegene wat 2017 se ekspo misgeloop het!

Die Hoogtepunt van vanjaar se ekspo was die Hinterland Nasionale Interraskampioenskap, waar vir slegs die tweede keer, die platform geskep is om al die land se Interras-streekswenners bymekaar te kry, sodoende die kampioen van kampioene aan te wys. Die 2017 Hinterland Nasionale Interraskampioenskap het bestaan uit wenners van 11

streekskoue van reg oor die land, en het agt rasse verteenwoordig. Dit moet beklemtoon word dat elke dier in eie reg reeds 'n kampioen is, en dat die aanbieding eenvoudig iets besonder was. Om soveel kampioene gelyktydig in 'n ring te sien, is voorwaar kos vir die siel. Die beoordeling is gedoen deur 'n baie ervare paneel, bestaande uit Dr. Tok Serfontein, Martin Seyfferdt, Willie de Jager, Jaco Maree en Piet Delpont. Hinterland wil hulle ook graag bedank en gelukwens vir die wyse waarop hulle te werk gegaan het. Maklik was dit beslis nie!

Die Hinterland Interraskampioenskap-wenners is eers teen Donderdagaand, tydens 'n spog gala-geleentheid aangewys. Die hoogtepunt van die aand was sekerlik die parade van die interrassfinaliste deur die Dome, waarna die groot aankondiging gemaak is.

Dit moet genoem word dat die Angus nie minder nie, as drie beeste in die finaal gehad het, die meeste van al die rasse. Aan die manlike kant was daar De Panne International No1 (DE 15-13), wat aan Jannie Kotzè van Moorreesburg behoort. Die bul het by die Swartlandskou, te Moorreesburg, gekwalifiseer. Aan die vroulike kant het die Angusse twee finaliste opgelewer. Die eerste was Roechama Surè (RCM 13-18) wat in besit is van RC Malherbe & Vennote van Hertzogville asook André Markgraaff Boerdery van Kimberley. Sy het op die Vryburgskou gekwalifiseer. Die Angusaanbod is afgesluit met die Bloemskou se kampioenskoei, Milargo Power 1324 (ACM 13-24), wat aan Andrew Masterson Familie Trust behoort, al die pad van Oesterbaai. Dit is voorwaar 'n pluimpie vir die Angusras, om deur drie diere verteenwoordig te word, op hiedie gesogte platvorm.

Die feit dat die diere uit baie uiteenlopende geografiese gebiede kom, het die aanpasbaarheid van die ras net meer beklemtoon.

Groot was die opgewondenheid toe die 2017 Hinterland Nasionale Interraswenner aangekondig is as: “Roechama Surè, RCM 13-18”. Hinterland wil weereens die Malherbe- familie asook André Markgraaff Boerdery gelukwens met hiedie besonderse prestasie. Dankie dat julle, en julle mede Angustelers, bygedra het tot die spog geleentheid. Ons hoop om julle weer in 2018 te sien, met Roechama Surè wat haar titel kom verdedig! ■

“Dit is voorwaar 'n pluimpie vir die Angusras, om deur drie diere verteenwoordig te word, op hiedie gesogte platvorm.”



Phillip Lee oorhandig die Hinterland Interraskampioenskap Trofee van 2017 aan RC Malherbe.

ROECHAMA

RC Malherbe & Vennote van Hertzogville, Vrystaat.

Die Malherbe-familie boer al vir vele dekades op hul plaas, Graslaagte in die Hertzogville-distrik in die Vrystaat. Gert Malherbe het saam met sy pa, Loffie, in 1980 op die plaas aangesluit.

Die Malherbes het hulle eerste Anguskoei in 1985 aangekoop en kyk nie terug nie!

Albei Gert Malherbe se seuns, RC en André Malherbe, tesame met hul gesinne, is betrokke by die Boerdery.

Die Malherbe-boerdery het vele vertakkings, waarvan die saai-boerdery 'n groot deel uitmaak.

'n Plaas is nie 'n plaas in die Vrystaat, as daar nie met skape ook geboer word nie.

Benewens hul kommersiële skaapkuddes is hulle ook stoettelers van SA Vleismerino-skape en Suffolk-skape.

Beide die Angus- en die Brangusbeeskuddes is welbekend reg deur die land as stoeterie met kwaliteit diere en goeie genetica wat hoog in aanvraag is op veilings.

Die ROECHAMA Anguskudde het ook verlede jaar gesorg dat RC Malherbe as Teler van Kampioene (Rooi) aangewys is gedurende die Angus Nasionale Kampioenskappe van 2017 – voorwaar 'n prestasie om op trots te wees.

Die Anguskudde het ook baie goed gevaar op ander platforms en ROECHAMA Surè is aangewys as Hinterland se Nasionale Interraswenner gedurende die ALFA-week in Parys.

ROECHAMA vorm deel van die Alliance Veiling (15 Augustus 2018, te Bothaville), sowel as die Malherbe en Roberts Veiling (26 September 2018, te Hertzogville).

Gert en RC Malherbe hou toesig oor die bedrywighede op Hertzogville se skou.



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PEOPLE'S CHOICE BEEF CHALLENGE

Angus-vleis van Sebastians se Angus Biefprodukte, die gewildste keuse tydens die eerste Leriba Lodge People's Choice Beef Challenge @ ALFA 2017.

Fotos en artikel verskaf deur ALFA.

Milagro Angus se lendeskyf was die eerste wenner en gewildste keuse onder verbruikers tydens die eerste People's Choice Beef Challenge by @ ALFA 2017 aangebied is.

Vleisgehalte is tans die grootste besprekingspunt in die rooivleisbedryf. Die bepaling van gehalte is kompleks en die verskillende definisies daarvan lok lewendige bespreking uit tussen rolspelers. Sommige gee prioriteit aan elemente soos wetenskaplike ontledings en bakteriologiese bepalings en ander weer aan chemiese toetse, klassifikasies en graderings.

Uiteindelik word vleisgehalte egter op die verbruiker se bord beoordeel. Wanneer die verbruiker die biefstuk op sy bord kry, is dit die finale toets om te bepaal of hy/sy 'n positiewe eet-ervaring het. Wat ons egter vergeet is dat telers, rolspelers en betrokkenes in die veebedryf ook verbruikers word as hulle 'n biefstuk op hul bord het.

'N RASSE-UITDAGING VIR DIE SMAAKLIERE

Dit is presies die beginsel wat ALFA wil uiteleef. Daarom was vyf genootskappe van vyf rasse in



Lendeskywe is verskaf deur Sebastians, van Andrew Masterson, te Humansdorp.



2017 genooi om hul rasse se beste aanbod op die borde van mede-veeliefhebbers te plaas om geproe en beoordeel te word, en so die veebedryf se "people's choice" te bepaal. Die vyf deelnemers in die kompetisie was Simbra, Bonsmara, Afrikaner, Dexter en Angus. Elke ras moes lendeskywe verskaf wat deur 'n plaaslike blokman verwerk is in vergelykbare snitte.

Leriba Lodge, 'n bekende viersterhotel wat Centurion geleë is, het twee van hul sjefs beskikbaar gestel om hierdie vleis op presies dieselfde manier voor te berei en voor te sit. Besoekers het elk 'n

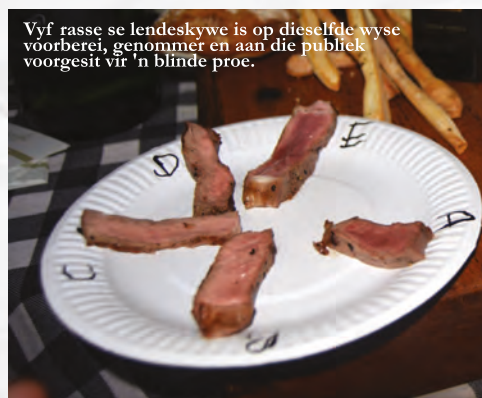


papierbord ontvang waarop vyf stukkies vleis bedien was, gemerk A tot E. Niemand het geweet watter letter verteenwoordig watter ras nie. Deelnemende besoekers aan ALFA het dan geproe en op die bord gemerk watter vleis vir hulle die beste smaak.

Meer as 600 mense het die Woensdag van die challenge kom proe en kruisies getrek. Hoewel die uitslag baie gelyk was, het die Angus-vleis van Milagro Angus uiteindelik koning gekraai met die meeste stemme!

As deel van die prys, gaan twee Angus-vleissnitte vir 'n maand lank op die spyskaart van Leriba Lodge se bekroonde restaurant, aangebied word. Die genootskap kry ook die geleentheid om op een van die aande 'n spesiale Angus-aand aan te bied waartydens gaste genooi kan word en die Angus-verhaal vertel kan word.

Ons sien uit om die titel met trots van 18 tot 20 September 2018 @ ALFA te verdedig! ■



GENOMICS:

Cutting-edge technology for age-old challenges

Dr Ben Greyling
Research Team
Manager, Animal
Production,
Agricultural
Research Council



INTRODUCTION

We often wonder what is really new and different in what we are doing today compared to yesteryear? When it comes to breeding of beef cattle, this is of particular relevance in view of the fact that humans have been breeding cattle for thousands of years and that the principles applied to breeding today in all probability have a lot in common with those of yesteryear. What has however changed the game significantly is the availability of a variety of new technologies that enable us to fast track and improve our efforts.

Genomics is one of the newcomer technologies that can be applied to fast track genetic improvement within our beef cattle industry. This technology has been around and its impact validated for more than two decades in other parts of the world. Traditional performance testing relied upon the recording of phenotypic (performance) data, combining it with pedigree information and eventually calculating a breeding value of an animal, which merely depicts the genetic merit of an animal as a parent for a specific trait or traits. This breeding value is a valuable tool when it comes to selecting animals for breeding in line with the desired breeding goals. Performance testing has also been shown to yield positive returns on investment, which is vital for ensuring sustainability and profitability of the beef production industry. A recent study for instance showed that between 1970 and 2014, the return on investment from performance testing of beef cattle in South

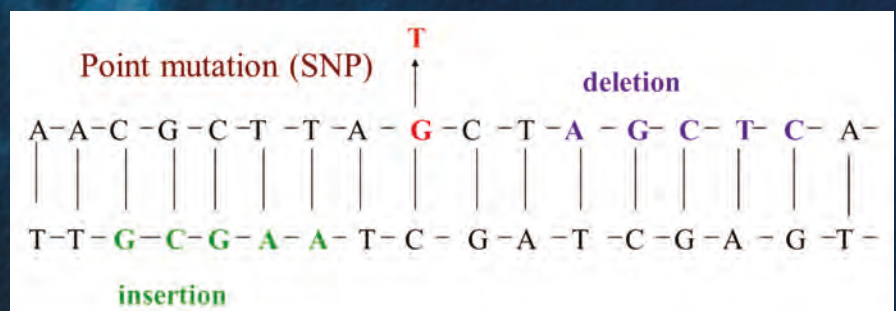
Africa was a phenomenal 32%. Genomics offer a number of benefits above conventional technologies: we can address more effectively traits that are expensive or difficult to measure (e.g. fertility and reproduction, feed efficiency), those that can only be measured in an advanced stage of an animal's life (e.g. adult weight) and those that can only be measured directly in one sex (e.g. milk production). In principle Genomics combines phenotypic and pedigree data with DNA sequence data to generate a genomic breeding value. Two of the most noticeable benefits that genomics offer is our ability to predict the genetic merit of an animal more accurately and secondly also at a younger age, which is central to our ability to fast track genetic improvement.

DNA TECHNOLOGY FORMS THE BASIS OF GENOMICS

From the abovementioned, it is clear that Genomics is all about the association of the DNA code or sequence of an animal with a particular trait. The DNA code consists of a sequence of building blocks or letters (four types only) that makes up the code, in principle similar to our identification numbers (ID). Our DNA is also passed on to offspring

in a 50/50 manner, meaning that offspring inherit equal amounts from the mother and the father. We must keep in mind that although all individuals on earth (except identical twins) have a unique DNA sequence, they are also 99.9% similar on DNA sequence level. Genomics in essence establish where individuals (populations) share the same / similar DNA sequences and where they differ (figure 1). This information is then used to predict how animals will perform similarly or differently regarding specific traits which can assist us greatly in decision-making when it comes to selection, breeding and conservation management of our gene pools.

Figure 1. A schematic diagram of the structure and composition of DNA that is remarkably simple. The code consists of billions of building blocks (four types) arranged in a particular sequence and which is individual specific. The sequence is synonymous with the code. Individuals may differ from each other, amongst others, in terms of a single base sequence (SNP) or more sequences that are either inserted or deleted.



ADOPTION OF A NEW TECHNOLOGY REQUIRES TEAMWORK

A consortium of stakeholders of the beef production industry took hands a few years ago and initiated the Beef Genomics Programme or BGP, a programme that is aimed at exploring and implementing Genomics in South Africa. The consortium consists of the ARC (both as manager and service provider), the Technology Innovation Agency (TIA), industry (breed societies), service providers to industry (Breedplan, SA Studbook) and higher education institutions (a number of universities). Government funding for the BGP is partly sanctioned by TIA, while industry, through the participating breed societies, contributes approximately 50% of the total cost of the BGP. The ARC also hosts the biotechnology platform at Onderstepoort where the DNA sequences (genotypes) of animals are analysed. The data generated for all the traits are captured on the National Database (INTERGIS) and made available to the respective participating breed societies. A number of research projects have also been launched over the past two years that make use of the captured data.

FIRST THINGS FIRST: ESTABLISH A REFERENCE POPULATION

When venturing into Genomics as a technology, the first and most important prerequisite is to establish a reference population of animals. These animals should have accurate performance records for economically important traits and also reliable pedigree records. The animals in the reference population will also be genotyped for thousands and thousands of DNA markers in order to determine the association between their performance records and their DNA sequences. Once prediction models have been developed and tested, the last step is to calculate

genomic breeding values for our animals, which will be the ultimate selection tool in our breeding programmes.

SOME FOCAL TRAITS ASSESSED BY THE BGP

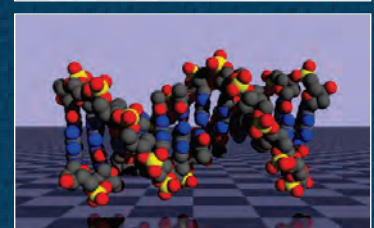
We know that Genomics enable us to assess the difficult or expensive-to-measure traits as well as traits that can only be measured in one sex or at an advanced stage of the production life of an animal. These include female fertility, maternal traits, feed efficiency, carcass quality traits and disease susceptibility and/or resistance. Since feed is one of the main (and huge!) cost drivers in beef production systems, one of the objectives of the BGP is to enable the selection of animals that are more feed efficient and thus more profitable. Feed efficiency is moderately heritable which means we can select for it. Meat quality is another focal trait and includes a number of sub-traits such as intramuscular fat percentage (marbling), rib and rump fat thickness, eye-muscle area, muscle pH and meat tenderness. The rib eye area together with carcass weight and fatness relate to the lean meat yield potential of the carcass, even though it is not a direct measurement of yield. It should also be kept in mind that a number of traits are recorded on-farm, e.g. birth and weaning weight, days-to-calving or inter-calving period and carcass traits that are assessed on the live animals by making use of Real Time Ultrasound scanning technology.

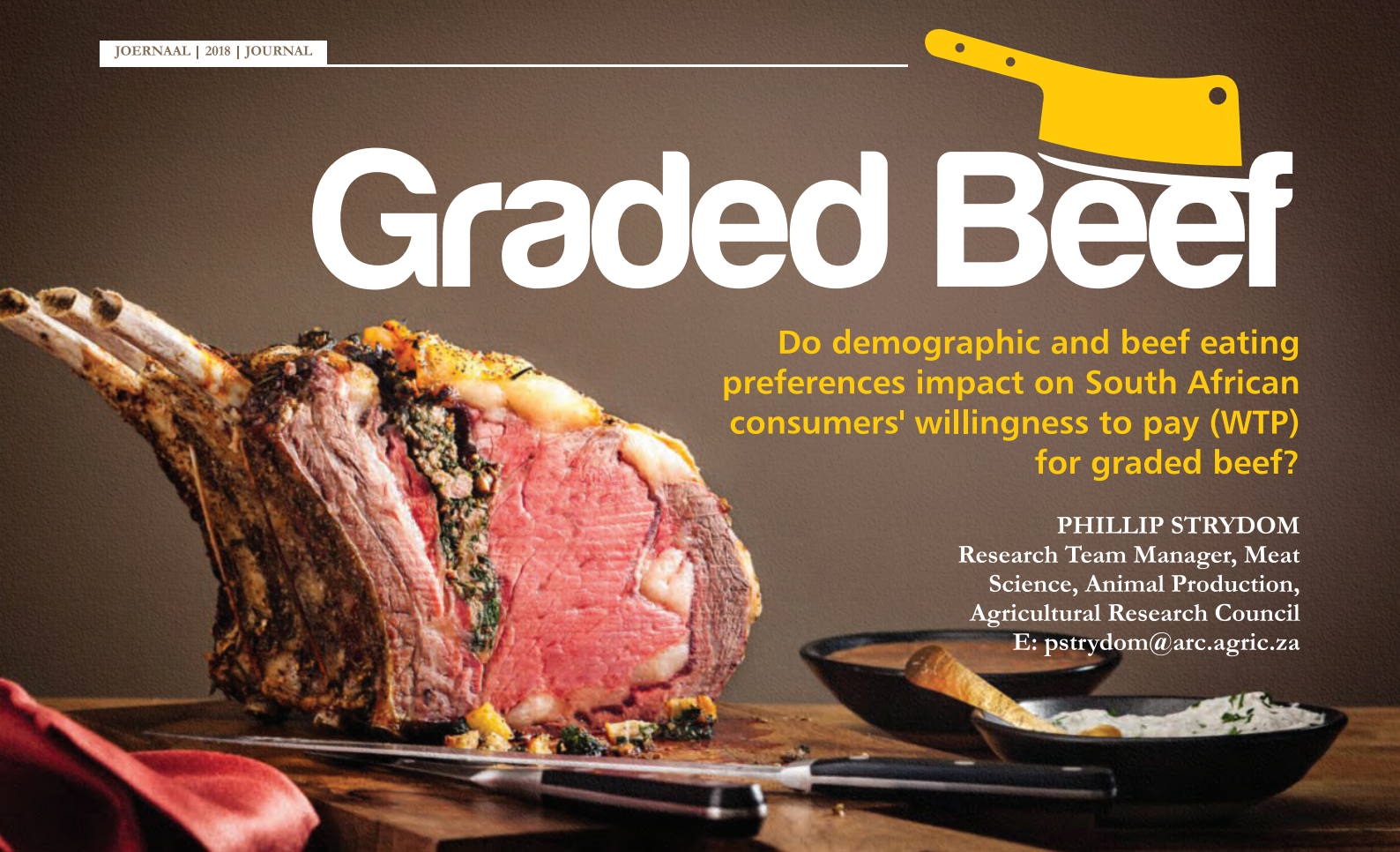
CURRENT AND FUTURE PERSPECTIVES

We know from experience gained by countries around the world that investment in Genomics indeed resulted in positive returns when executed and implemented correctly. Stakeholders should take note however that genetic improvement is a long-term investment, and that the returns are

not immediate and not only measured in terms of the potential higher monetary value of an animal. There are in fact many other factors that are indicators of positive returns, including mitigation of certain risks that are associated with beef production and the ability to make better management decisions relating to breeding and marketing of animals. Genomics furthermore complements existing technologies and will not replace existing systems such as performance testing. A number of positive outputs associated with the BGP have already seen the light since its inception, and these include a significant improvement in the degree to which recording of biologically and economically important traits are taking place and that are associated with an improvement in the accuracies of breeding values, increased reliability for paternity verification and expanding the size of the relevant reference populations being compiled.

What is paramount is that all production sectors of the beef industry should share in the benefits of this newcomer technology. A key indicator of success will thus be the degree to which the project has enhanced the competitiveness, sustainability and profitability of the entire industry at large. Last but not the least, success is also dependent upon continued cooperation and collaboration among all stakeholders, including producers, researchers, breeding and biotechnology companies, service providers, consumers and government. ■





Graded Beef

Do demographic and beef eating preferences impact on South African consumers' willingness to pay (WTP) for graded beef?

PHILLIP STRYDOM

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WHAT IS WILLINGNESS TO PAY AND WHY IS IT IMPORTANT FOR THE RED MEAT INDUSTRY?

“Willingness to pay” (WTP) is a term used in commerce to determine the maximum price at, or below, which a consumer will definitely buy one unit of a product, for example a steak. WTP information is important for the meat industry, like for any other industry, to position themselves in specific markets.

A consumer's WTP may be influenced by intrinsic and/or extrinsic quality differences among products of the same kind and can either be determined by consumers' response to perceived quality attributes or their response after experiencing actual quality attributes of the product. Intrinsic quality refers to fatness, tenderness, juiciness, colour, flavour, bone to fat ratio and similar terms, nutritional value. Extrinsic quality refers to packaging, label information, and perception about animal welfare, environmental impact and health related to the product. Response in WTP for perceived quality relates to

influencing factors before the consumer use the product such as appearance (colour, packaging, label information). For example, some consumers may be willing to pay more for products from free range enterprises, or where animal welfare is a key concern in production practices. Others form an opinion on WTP in the shop when the product is presented in an attractive way or the intrinsic appearance attributes, such as colour, marbling or fatness, appeal to them. Very often these decisions are made unconsciously. While these impressions are important in marketing to increase WTP, it is only a response to expected eating experience or to satisfaction around the way that the product has ended up on the shelf.

WTP expressed after experiencing actual quality attributes will most of the time be more relevant than WTP based on perceptions as this response tends to last and will tell the shop owner how viable and sustainable a specific product line is. Not many consumers will insist on free range steaks at a high price if such steaks are inconsistent in tenderness and juiciness. It is therefore also of

utmost importance that a positive response in WTP for good eating quality is paralleled by measures to produce such quality consistently.

One would expect that WTP will be influenced by the demographics of the consumer. One aspect to keep in mind here is that WTP is merely an intention, in other words even consumers with low income may show a high WTP even though they do not have the means to do so, but should they have the means, they would. It is therefore also important to know the purchasing ability of the consumer together with WTP. Various consumer studies have recently investigated the effect of consumer demographics on WTP. Demographical information such as country of origin/language, gender, age, income, level of education, occupation, number of children, number of adults in households were included in these studies. Furthermore, consumers were also asked how frequently they consume red meat, how important meat is in their diet, how they cook meat or to what degree of doneness.

THE RESPONSE OF CONSUMERS FROM DIFFERENT COUNTRIES TO A PREMIUM STEAK.

In a series of similar trials in Australia, Japan, Ireland, France, Poland and in South Africa, consumers were tested for WTP for different quality grades. These grades were based on levels of eating quality based on the combined response to tenderness, flavor, juiciness and overall experience. Steaks were then ranked as 'unsatisfactory' (2 star), 'good everyday' (3 star), 'better than everyday' (4 star) and 'premium' (5 star). To avoid the effect of inflation and different monetary units, WTP was calculated as a ratio between the specific quality grade relative to 'good everyday'.

Surprisingly little of the various demographic parameters or eating preferences had any effect on consumers' WTP, while WTP showed a linear positive response to quality grade. In the studies mentioned all countries apart from South Africa were compared simultaneously. In two studies the

results showed that country of origin had quite a major effect on how consumers reacted to quality grade. In one study, Japanese consumers were WTP 2.9 times more for 5 star than 3 star, Irish consumers 1.5 times more, Australian and American consumers just slightly more than Irish consumers.

In another study, Irish consumer were willing to pay 1.5 times more for 5 star than for 3 star, but Irish Republic consumers only 1.08 times (almost nothing). Australian, French and Polish consumers recorded WTP around twice the price of 3 star. In both studies 'unsatisfactory' steaks were mostly penalized by 50% or more,

especially by French and Australian consumers, while Irish republic consumers responded with 93% of the price of 3 star. In all studies the response to quality was linear, meaning the response for 5 star was the higher than for 4 star.

Surprisingly income had no effect on WTP, meaning that even if consumers could not afford 5 star on a regular basis (or at all), they still showed a high WTP for this category. All studies reported that older consumers were less keen to pay more for higher quality grades. The response here was also more intense for countries like Australia that showed a general high WTP for quality compared to the Republic of Ireland.



HOW DID SOUTH AFRICAN CONSUMERS RESPOND TO EATING QUALITY?

The South African study compared the WTP of rural vs. urban consumers and different cuts were either grilled or cooked as a stew. The tests were done by three universities and therefore included consumers of different education and income levels, although the distribution of race based on home language indicated that rural consumers were all of African origin while urban consumers consisted of 50% Africans. In addition rural consumers preferred their meat more well done, while some differences also existed with regards to frequencies of

consuming meat, number of children and adults in households, income and other factors.

In agreement with other international studies, quality grade was the main driver for WTP and similar ratios for higher quality grades were recorded as for countries like Australia, France and the USA. More important, neither origin (rural or urban) nor cooking method influenced the consumer's WTP: - Given the different cultural back grounds and preferences it was for instance expected that rural consumers will prefer a stew over grilled beef. Furthermore, younger consumers also responded more positively to higher grades than older consumers like in other countries. Likewise, income did not have any effect on WTP.

Interestingly, age in our study was positively related to income showing that younger consumers value quality more than older consumers even though they may not have the means to respond in such way. An interesting side note would be that 127 of the 600 consumers that participated showed no response or a negative response in WTP to quality grade. Although it may have been that these consumers misunderstood the questionnaire, it may also confirm some anecdotal evidence that tougher meat is part of African culture. However, considering the fact that so many of the participants responded positively, this remains a perceptions.

“

Given the different cultural back grounds and preferences it was for instance expected that rural consumers will prefer a stew over grilled beef.

WHAT DOES THIS MEAN?

Although WTP does not guarantee a direct relationship in terms a consumer populations purchasing behavior, it is important for the industry, such as the meat industry, if investment in improvement of a specific characteristic of their product will pay off in the end. This is in particular important knowing that worldwide there is an increase in the middle class proportion of the population with more buying power.

More important is the fact that these studies showed a general positive response in WTP for better eating quality grades in beef. This means that if we can find a way of scoring or grading a product with a single score in relation to the combined qualities of tenderness, flavor and juiciness, consumers will generally respond positively in their willingness to purchase products with higher quality grades than those with lower grades. ■

THE FOLLOWING SOURCES WERE CONSULTED FOR THIS PAPER:

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“Vegetables are interesting but lack a sense of purpose when unaccompanied by a good cut of meat.”

Fran Lebowitz



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ANGUS CARCASS TRAITS

Prediction of Genetic Value for Carcass Traits in Beef Cattle

Dr Helena Theron,
SA Stud Book



It has the advantage that it is portable and reasonably priced, no radiation is involved and it requires no sedation or anaesthesia. Ultrasound carcass scanning technology allows objective carcass information to be collected on live animals instead of having to slaughter progeny to obtain carcass information. However, there are also disadvantages to using ultrasound imaging; including less accurate anatomical resolution, image analysis which is not easily automated and most importantly, it cannot measure meat tenderness.

Carcass traits are measured in South Africa by RTU scanning of calves in post wean growth tests. In addition to traits measured in the growth test, (e.g. weight, height and length), eye muscle area (EMA), rib fat thickness, rump fat thickness and marbling are measured using RTU technology. These traits significantly influence red meat yield and quality, and are heritable.

CARCASS TRAITS ●

Carcass weight is genetically influenced and can be changed by selecting on live weight, frame size and growth rate. Dressing percentage is also an indicator of profit and is calculated as the hot carcass weight as a percentage of the live weight of the animal at slaughter. Dressing percentage typically ranges from 50% to 64% for the majority of beef cattle, while higher dressing percentages are more profitable.

Eye muscle area (EMA) is the area of the longissimus dorsi muscle (eye muscle or ribeye) and is measured with RTU between the 12th and 13th ribs. It is expressed in square centimetres. According to the scientific literature, EMA is an indicator of many carcass traits, including carcass yield, muscularity and carcass weight. As EMA increases, kg red meat yield increases.

Fat thickness is a measure of external fat thickness on a carcass and is measured using RTU at two sites on the live animal.

INTRODUCTION ●

In South Africa most beef calves are finished in feedlots, therefore carcass weight is a major factor in the determination of price received per animal. Generally, too heavy or too light carcasses do not fit specifications and are penalized. Traits like inappropriate carcass size and weight or excess external fat cover can be addressed by improved genetic selection practices. Carcass traits should be an important consideration in beef bull selection. However, it is important for performance testing and selection to be able to accurately measure body and carcass composition on a live animal.

MEASUREMENT OF CARCASS TRAITS ●

Historically carcass data was collected with progeny testing, requiring a bull's calves to be placed in a feedlot and slaughtered before traits were measured on the carcass. This was expensive and a very slow way to collect information and only a few sires could be measured.

Currently, there are several non-invasive techniques available for obtaining objective phenotypic data for body and carcass composition, for example various methods using X-ray methodology and magnetic resonance imaging. As most of these methods are very expensive to use, the most common method used worldwide for measuring carcass traits on live animals is Real Time Ultrasound (RTU).



SOUTH AFRICAN FARMERS ARE PAID FOR TENDERNESS BASED ON THE AGE OF THE ANIMAL.

Ribfat thickness, otherwise referred to as Backfat, is measured at the same site as EMA between the 12th and 13th ribs, while Rumpfat thickness is a fat depot that is highly related to 12th -13th rib fat thickness (genetic correlation exceeding .70). This measurement can be beneficial when scanning very lean animals such as yearling bulls and can be used to improve the overall accuracy of external fat estimation.

The subcutaneous fat covering over the carcass minimizes weight loss and protects the muscles from cold-shortening which occur during the carcass cooling process. The conventional refrigeration of carcasses after slaughter may result in tougher meat, thus, an adequate fat thickness will ensure a higher quality product. It has also been shown that favourable genetic correlations exist between subcutaneous fat and reproductive traits, indicating that a high subcutaneous fat deposition are correlated to early finishing and sexual maturity, but undesirable genetic correlations exist between subcutaneous fat and weight gain.

Marbling or intramuscular fat refers to the flecks of fat found within the muscle tissue, and is also measured together with EMA and Ribfat thickness between the 12th and 13th rib using RTU. It is however the most difficult of all ultrasound traits to measure accurately. Sufficient marbling is important for beef tenderness, juiciness and flavour.

Inadequate tenderness of beef is regarded as the most important quality challenge facing the beef industry, as it plays a key role in consumer satisfaction. Tenderness is objectively measured with a Warner-Bratzler shear force device, but can only be obtained after the animal has been slaughtered. There is thus a time-delay in identifying elite animals which is a major limitation to current rates of genetic improvement. South African farmers are paid for tenderness based on the age of the animal.

SELECTION FOR CARCASS TRAITS ●

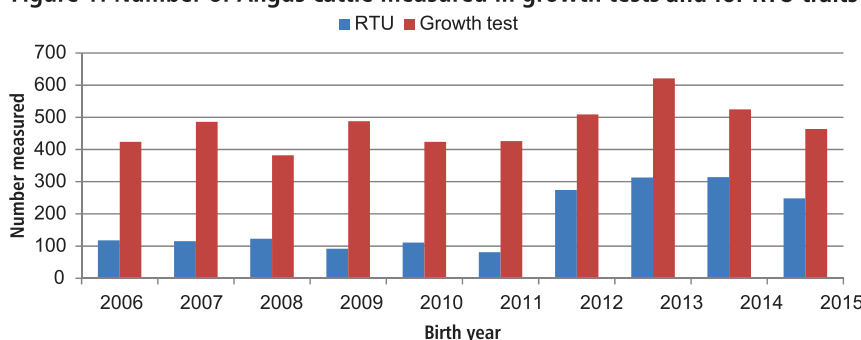
It is possible to select for carcass traits as fat thickness, EMA and marbling are between 20 and 25% heritable (Table 1). A larger carcass with less fat and high marbling would receive the best price, although South African farmers are not paid for marbling at this stage. Selection should then be for increased final weight, EMA and marbling, as well as decreased fat. However, due to underlying genetic correlations, when selecting for lower fat thickness, a decrease in marbling can be expected. According to the literature, selecting for reduced fat could also negatively affect fertility in beef females. It has been shown that daughters of sires selected for less fat often reach puberty later, require more services per conception and have an increased gestation length that could inflate birth weights and increase the risk of calving difficulty. Fat thickness is therefore a trait with an intermediate optimum – both extremes are undesirable. Bulls with desirable levels of performance for both lean yield and fertility should be selected. Breeding values (EBVs) are an effective genetic selection tool for improving carcass traits. Currently, research is on the way to combine breeding values into selection values for Dressing percentage and Red Meat Yield.

Table 1: Heritabilities (on the diagonal) and genetic correlations for carcass traits as used in the South African genetic evaluation.

	Weaning weight	End of test weight	ADG	Fat	EMA	Marbling
Weaning weight	0.27	0.84	0.40	0.11	0.53	0.13
End of test weight		0.29	0.77	0.24	0.61	0.20
ADG			0.22	0.26	0.35	0.24
Fat				0.25	0.06	0.27
EMA					0.21	0.19
Marbling						0.20

The number of RTU measurements for South African Angus has increased since 2012 to around 250 to 300 animals per year, which is proportionately above 50% of all animals measured in both centralized and farm growth tests, showing commitment of Angus breeders to improve carcass traits.

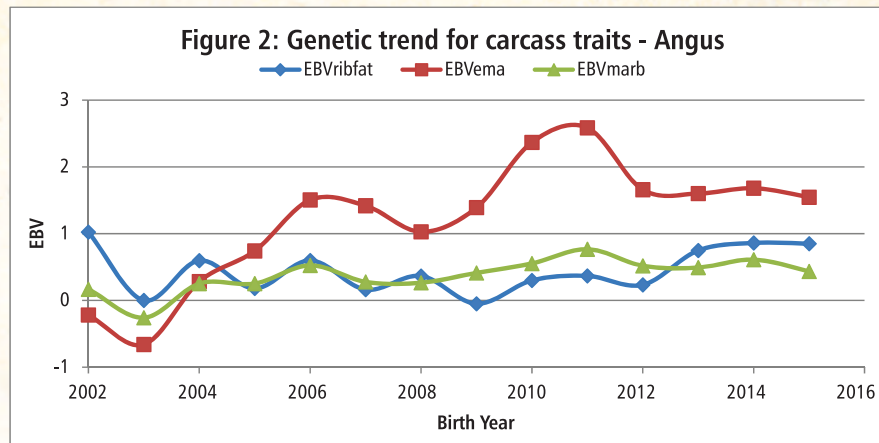
Figure 1: Number of Angus cattle measured in growth tests and for RTU traits



The genetic trends for carcass traits as measured on South African Angus are shown in Figure 2. Although numbers are low, there seems to be some improvement in EMA. Although the genetic trends tend to have

stabilized since the sharp increase in number of measurements since 2012, the larger number of available measured selection candidates will provide a broad selection base for genetic improvement of carcass traits in

future. Combining EBVs for RTU traits with weight at the end of the test into a selection value may also simplify selection and improve carcass traits.



GENOMIC TESTING HAS COMMENCED IN SOUTH AFRICA AS WELL AND GEBVS ARE ALREADY AVAILABLE FOR SOME BREEDS IN SOUTH AFRICA.

THE FUTURE: GENOMIC SELECTION ●

Genomic markers (SNPs) combined with traditional BLUP technology is currently regarded as the best method to identify superior breeding animals, especially for traits that are hard or expensive to measure like carcass traits, as well as fertility, milk production and feed efficiency. Genomic testing is another tool that can be used, apart from identifying bulls, to identify for example replacement heifers with a greater genetic potential for carcass traits. Genomic testing for rate of gain, tenderness, marbling score, quality grade, yield grade, backfat thickness and ribeye area is already available in the United States. Breeders send in hair or semen samples for SNP (genetic marker) testing. These SNPs are included in the routine genetic evaluations and is used to produce genomic enhanced EPDs, also called GEBVs. Genomic testing has commenced in South Africa as well and GEBVs are already available for some breeds in South Africa. Genomic selection programs that incorporate genomic markers for growth and feed

efficiency, as well as carcass quality, have been reported to result in a 32% improvement in accuracy compared to using only mid-parent breeding values. In beef cattle, the American Angus Association has been incorporating genetic marker information into their weekly carcass EPD evaluation program since 2012. In a technique known as single-step Genome-wide association (GWAS), Medeiros de Oliveira Silva found 43, 65, and 53 genes affecting EMA, Back fat and Rump fat respectively. This is however still early days, with many exciting discoveries to be made in future. While just a few years ago this practice may not have been financially feasible, enhancements in analytical techniques have helped lower cost, making this option more affordable today and going into the future. ■

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SWARTLANDSKOU 2017 & MOORREESBURG SE VLEISBEESKAMPIOENE:

Deur Jannie Kotzè

Die Swartlandskou, te Moorreesburg, was weereens 'n reuse sukses met top kwaliteit Angusse wat vertoon is. Die Angusse het ook baie goed gevaar in die interraskampioenskappe en het met verskeie titels weggestap. Die Swartlandskou kan met trots aankondig dat die 2019 Angus Nasionale Kampioenskappe in Moorreesburg sal plaasvind op 5 & 6 September 2019.

Ongeag die droogte in die Wes-Kaap, was die bywoning en deelname aan die Suid- en Wes-Kaap Angus Streekskampioenskappe baie goed. Ongeveer 80 Angusse is vertoon op die Swartlandskou wat gedurende September 2017 plaasgevind het.

Die Swartlandskou wil ook Mnr. Kevin Miles (Senior Beoordelaar) en Carl Moller (Junior Beoordelaar) bedank vir die werk wat hulle gedoen het. ■



DE PANNE Jewel 1ste (DE13-80) van Mnr. Jannie Kotzè, was aangewys as die Swart Senior en Groot Kampioen Vroulike winner.



BLACK MAMBA Colette (BA13-01) van Mnr. Jaco Smit, was aangewys as die Rooi Senior en Groot Kampioen Vroulike winner. BLACK MAMBA Colette was ook aangewys as die Interras Senior Kampioen Koei.



SPANSAAM Beef King (JHH16-07) van Mnr. Hoffie van Blerk, was die Junior en Groot Kampioenbul.



DE PANNE International No1 (DE15-13) van Mnr. Jannie Kotzè, was die winner van die Junior-, Groot-, BLUP-Kampioenbul (Breedplan) en naaswenner as opperste vleisbeeskampioen.

Teler van
Kampioene

De Panne & Spoor Angusveiling

21 Julie 2018 te De Panne, Moorreesburg.

25 Manlik, 12 Stoetkoeie (Dragtig), 18 Stoetverse (Dragtig),
30 Kommersiële verse (Dragtig) asook 15 Embrio's op die veiling beskikbaar.

Besoekers altyd welkom.

De Panne, Moorreesburg S 33° 11' 57" O 18° 33' 22"

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WORLD ANGUS FORUM Scotland 2017

by Chris Purdon

We arrived in a cool and overcast Edinburgh on the 20th June for the 2017 World Angus Forum where we booked into an Airbnb in Stockbridge to save a few of our hard earned rand.

This turned out very convenient and in walking distance to most of the Forum functions.

I attended the World Secretariat Meeting on the 21st March which was a bit disorganised due to the fact that the Aberdeen Angus Breed Director had resigned 2 months earlier – sound familiar?? After dealing with points on the agenda each country gave their presentations and the youth presentations were very impressive – most countries have a youth programme which encourages young people to get involved in the breed – unfortunately this has always been sorely missing in South Africa.

A lot of decisions are taken at the Secretariat, held every second year, but implementation of these has always been a problem. It was therefore decided to elect a World

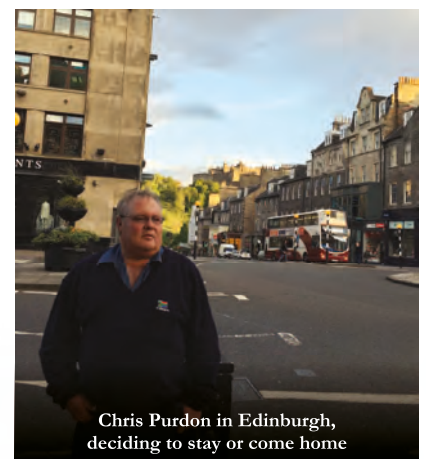
Angus committee that would ensure proper implementation of what is discussed and to see that these are followed through. The committee is made up of representatives from USA, Australia, Portugal, and Canada and chaired by Tim Brittain of New Zealand. I was happy to represent SA at this meeting as I feel strongly that someone from our Society should be at these International events.

After this there were various social events and 3 days at the Highland show.

The show is a 5 day event that attracts nearly 200 000 people. It is a massive event that is very well organised. There is an enormous array of machinery and thousands of different livestock classes. During the Angus judging James Playfair-Hannay gave a superb running commentary that was very well received.



A visit to Haymount Angus Stud



Chris Purdon in Edinburgh, deciding to stay or come home



A farm visit to Rawburn Angus

The cattle: Generally the type being shown was way too big for my liking. Bulls at 1600kg and cows over 1000kg are a tad big for us. It does appear though, that the more astute cattlemen and women are beginning to breed them a bit shorter and thicker – a good move in my opinion.

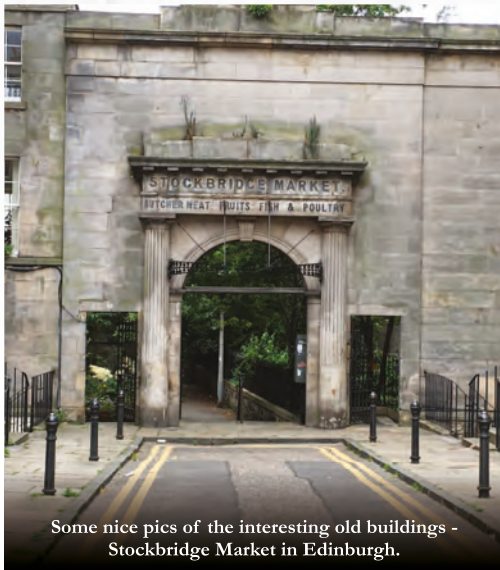
The theme for the Technical Meeting was “From Consumption to Conception”.

They believe that is the correct way round – and who are we to argue? It was 2 days of highly technical discussions on traceability, genomics and eating quality with a few practical talks on beef farming in the UK.

The two most important topics being eating quality and traceability as the market is getting extremely competitive out there.

We enjoyed a visit to Mosshall – a red herd which was very interesting as it was an indication of the huge increase in Red Angus in the UK. After this we visited Easter Howgate – a first world research facility where cutting edge research is taking place, especially Net Feed Intake.

We didn't book any pre or post Forum tours but did do a one day visit to some farms in the Borders.



Some nice pics of the interesting old buildings - Stockbridge Market in Edinburgh.



Meeting old Canadian friends - Don & Linda MacKenzie.



The McLaren Clan from Netherton Angus with Chris Purdon.



Not used to the cold weather - Colette, Chris and Andrew warming up with a whiskey.



The Red Angus cows and their calves at Mosshall Farm - Fertility walking around on four legs.



A visit to Wedderlie, with Alex Sanger (Chairman of the Organising Committee) addressing the crowd.



Chris taking a lesson in Angus farming.

We saw 3 of the very top herds in Scotland which was a real treat. The first stop was the famous Wedderlie herd of the Tilsons. We then moved on to the Haymount herd of the Arnott's – it was good catching up with Tom who I had last visited 25 years ago. The cattle there are medium framed and very functional. The last stop was the Elliott's Rawburn herd. They are using world class genetics and are breeding numerous show winners and sale toppers.

We then visited the Netherton herd of the MacLaren's near Stirling where Willie jnr has taken over the reigns from Willie snr – a legend of the Angus World – and is doing an excellent job of reducing frame score and adding thickness and style. They have teamed up with Highland Wagyu and their farm and facilities are top of the range. We so enjoyed our visit there with Willie and Karen who are such great ambassadors for this famous breed.

All in all a most enjoyable visit to the Old Country, home of the Angus. It was good to once again be with Angus friends from around the world.

The next Secretariat meeting will be in Uruguay in 2019 and the next Forum in Australia in 2021. ■



Sally and Chris Purdon (our ambassadors at the Word Forum) together with Andrew and Colette Masterson (Chairman SA Angus) and PJ Budler.



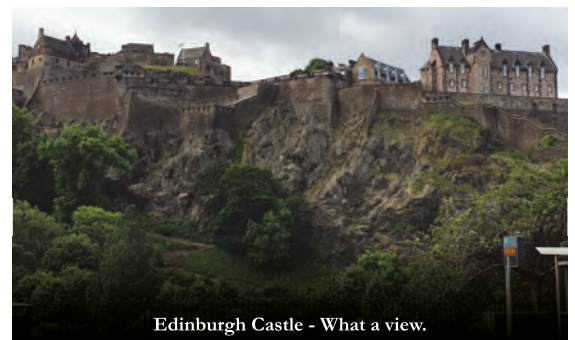
Walking through the Highland Show. The show is a 5 day event and attracts nearly 200 000 visitors.



Netherton Cracker - Boys will be boys.



Flags galore - Angus breeders from all over the world attended the Forum.



Edinburgh Castle - What a view.



Chris and Sally Purdon with Paulo, the Angus Breed Director for Portugal.



Mosshall Farm - The people are just as interesting to the cows.

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Dunedin Red Digression 504 - sold to Bruce Bryant



Dunedin Capitalist 507 - sold to Paul Meade

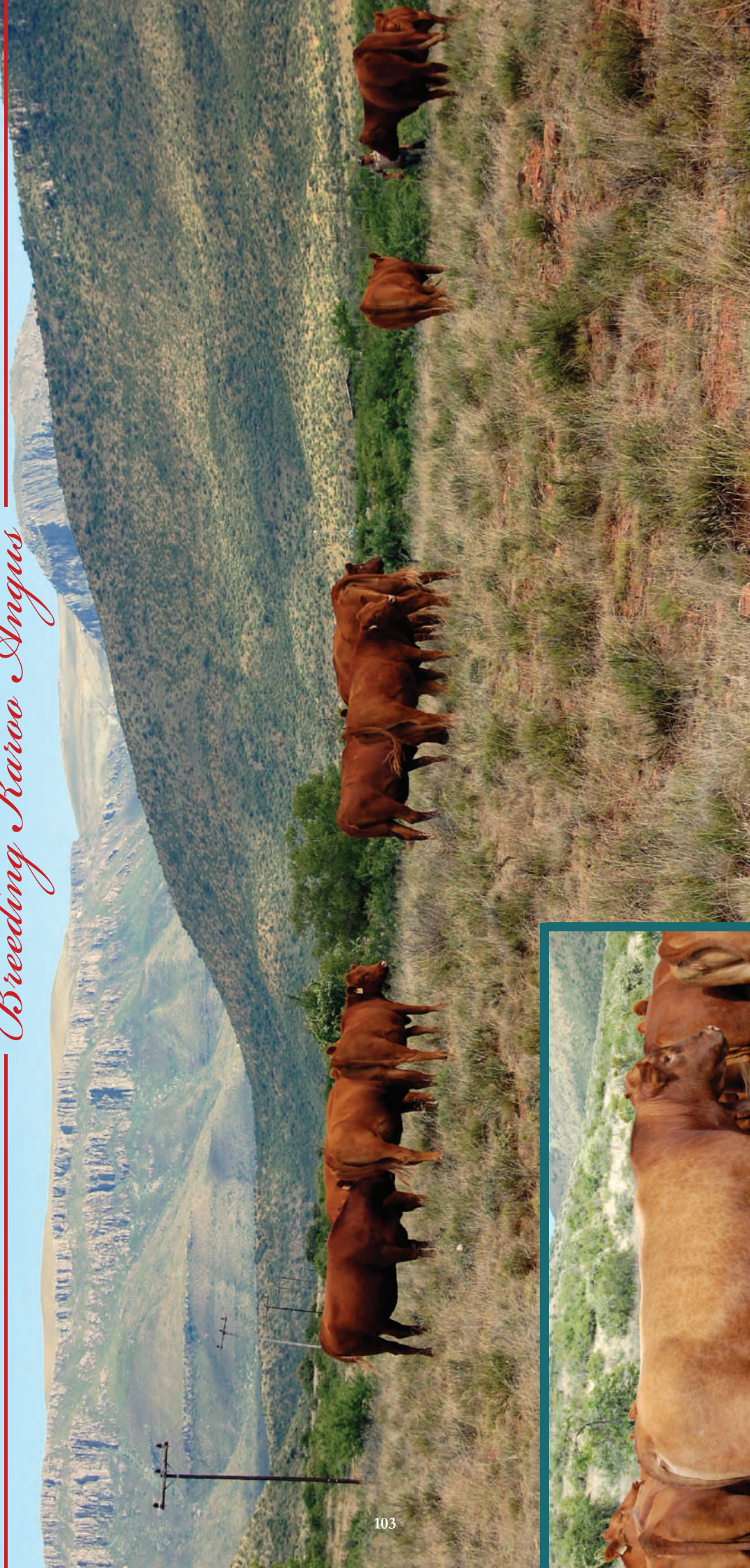


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HERTZOGVILLE

ANGUS WEN NOG 'N GOUEBEKER OP HERTZOGVILLE

Die Hertzogvilleskou het plaasgevind op 2 Maart 2018. Soos in die verlede, was dit weer vanjaar een van die hoogtepunte op die Wes- Vrystaat se lanboukalender.

Anguslede van reg oor die Vrystaat, Noord-Wes en Noord-Kaap het die skou ondersteun en weereens is beeste van hoogstaande gehalte vertoon.

Mnr. Basie Blignaut, 'n gesoute beoordelaar en teler van Piet Plessis in die Noord-Wes, het as beoordelaar tydens hierdie Streekskampioenskap opgetree. ■



Fotos deur Wayne Southwood



ROECHAMA Mielan RCM 15 – 186 was die Junior en Groot Kampioen Vroulike winner en het ook weggestap met die Goubeker (Opperste Kampioen) tydens die Interras Kampioenskap wat plaasgevind het op Saterdag, 3 Maart 2018.



ZEC Lucky Lady ZEC 16 -28 was die Kampioen Verskalf en Reserwe Groot Kampioen Vroulike Angus op die dag. (Enslin Coetzee & Issie Liebenberg van Bothaville)



ROECHAMA RCM 15 – 19 was aangewys as Junior en Groot Kampioenbul. (RC Malherbe & Vennote van Hertzogville)



GROENPUNT GR 16 – 022 was die Kampioenbulkalf en Reserwe Groot Kampioenbul. (André Markgraaff Boerdery van Kimberley)

Daar word geëer omdat dit Angus is!

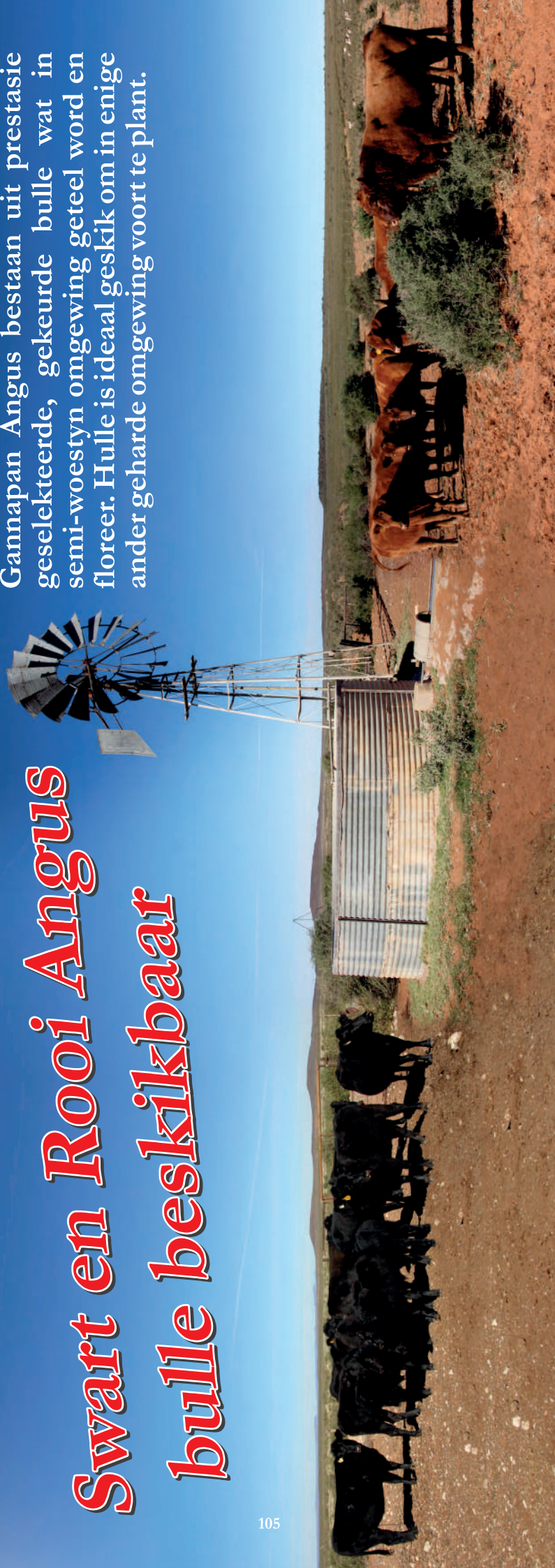
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105



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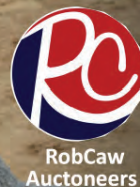
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National Beef performers Awards



Stefan Terblanche (cattle manager) received his award from Denene Erasmus (Farmer's Weekly) and Prof Norman Maiwashe (ARC-AP). The black SA Angus cow (FG 08 0009) from Fredericksburg Landgoed received an award in the National Best Elite cow category. The cow has outstanding BLUP breeding values and an inter-calving period of 358 days (7 calves).



Sid Knott received his award from Denene Erasmus (Farmer's Weekly) and Prof Norman Maiwashe (ARC-AP). His red SA Angus cow (SK 07 0983) received an award in the National Best Elite cow category. The cow also has outstanding BLUP breeding values, an inter-calving period of 366 days (7 calves) and an above average weaning index of 105.

SA Angus telers vereer tydens die LNR se Nasionale Vleisbeespresteerders Toekennings vir 2017/ SA Angus breeders honoured at the ARC National Beef performers Awards for 2017

FRANS JORDAAN & DR BEN GREYLING
Nasionale Vleisbeesaantekening en -
Verbeteringskema/National Beef Recording
and Improvement Scheme

Die Landbounavorsingsraad het tydens hul jaarlikse Nasionale Vleisbeespresteerders Toekennings erkenning verleen aan telers wat uitsonderlike prestasies behaal het gedurende 2016/2017. LNR-Diere Produksie het die glansgeleentheid op Roodeplaat by LNR-Groente en Sierplante, naby die Roodeplaatdam, aangebied. Die rustige en landelike atmosfeer het baie byval gevind by almal wat hierdie geleentheid bygewoon het.

Afgesien van die trofee weners, het verteenwoordigers van DAFF (Departement van

Landbou, Bosbou en Visserye), borge, belanghebbende rolspelers in die bedryf en verskeie media-huise ook hierdie jaarlikse hoogtepunt op ons land se Landboukalender bygewoon.

Een van die doelstellings van die Nasionale Vleisbeesskema is om produsente meer bewus te maak van die voordele wat prestasie toetsing inhou. Doeltreffende en volhoubare produksie, wat ook in Nasionale belang is ten einde voedselsekureit op die langtermyn te bevorder, is die mees belangrike doelstelling van die Skema.

Die ontwikkeling, ondersteuning en bemagtiging van nuwe toetreders tot die kommersiële vleisbeesproduksie sektor is ook in Nasionale belang en die ontvangers van pryse en toekennings by hierdie geleentheid word as rolmodelle gesien deur opkomende boere. Die LNR het die mandaat om namens die Regering die Nasionale Vleisbeesskema te bestuur om hierdie doelwitte te bereik.

Baie geluk aan al die telers vir die uitstaande prestasies! Mag julle ook as rolmodelle dien vir ons bedryf.

During the ARC's annual National Beef Performers Awards, special acknowledgement was given to breeders who accomplished exceptional achievements during 2016/2017. ARC-Animal Production hosted this gala event at ARC-Vegetables and Ornamental Plants, Roodeplaat, which is situated close to the Roodeplaat dam. The quiet and farm-like atmosphere proofed to be ideal for an event of this magnitude. Apart from the trophy winners, executive delegates from DAFF (Department of Agriculture, Forestry and Fisheries), sponsors, stakeholders in the industry and various media houses also attended the event.

One of the objectives of the National Beef Scheme is to make producers aware of the benefits of performance testing. Efficient and sustainable production, which is also in National interest and which will contribute to food security in the long term, is the primary objective of the National Beef Scheme. The development, support and empowerment of new entrants to the commercial sector is also in National interest, and emerging farmers regard the winners at these events as role models. The ARC has the mandate to manage the National Beef Scheme on behalf of the government to achieve these goals.

Congratulations to all the breeders and recipients of awards for their outstanding achievements! May you also serve as role models to our industry. ■



Paul Coetzee received his awards in the Special Performance Test Class for his red SA Angus bull (PHD 15 0018) and his black SA Angus bull (PC 15 0032) from Dr Ben Greyling (ARC-AP), Dr Jakkie Du Toit (ARC-AP) and Mr Bokkie Bruwer (Grandview Brahmans). Both bulls were awarded as winners for the breed.



MJ Ernst received his trophy as the ARC's National Young Breeder of the Year for 2017. His achievements as a stud breeder at a very young age made him an outstanding winner in this category. Dr Andrew Magadla (ARC-CO), Mr Sipho Mvuyana (Molatek) and Mr Dan Motiang (ARC-AP).



Rudi Buys received the award as the provincial winner for Western Cape for the LUSAN PREMIUM ANGUS herd, in the ARC National Beef Cattle Improvement Herd of the Year Award category from Dr Andrew Magadla (ARC-CO), Dr Yolisa Pakela-Jezile (ARC-CO) and Dr Baldwin Nengovhela (DAFF).



Alfred Bopheka received his award as the Western Cape provincial winner for the ARC National Emerging Beef Farmer of the Year Award category from Dr Jakkie Du Toit (ARC-AP) and Ms Mmapthuti Setati (DAFF).



Anton Vermaak received the award as the provincial winner for Eastern Cape for his Bird Island Reds herd, in the ARC National Beef Cattle Improvement Herd of the Year Award category from Dr Andrew Magadla (ARC-CO), Dr Yolisa Pakela-Jezile (ARC-CO) and Dr Baldwin Nengovhela (DAFF).

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AFRIGUS

Farm follows function!

by John Boulle

EVALUATE THESE TWO EXTREMES:



This cow is just too big (970 kg) and would have to wean a calf at 380 kg plus to be 40 % productive. Notice coarseness and thick tail.



This 500 kg cow weans calves at 50 % of her body mass, which would be the ideal type of breeding cow.

AFRIGUS females exhibit the following characteristics:

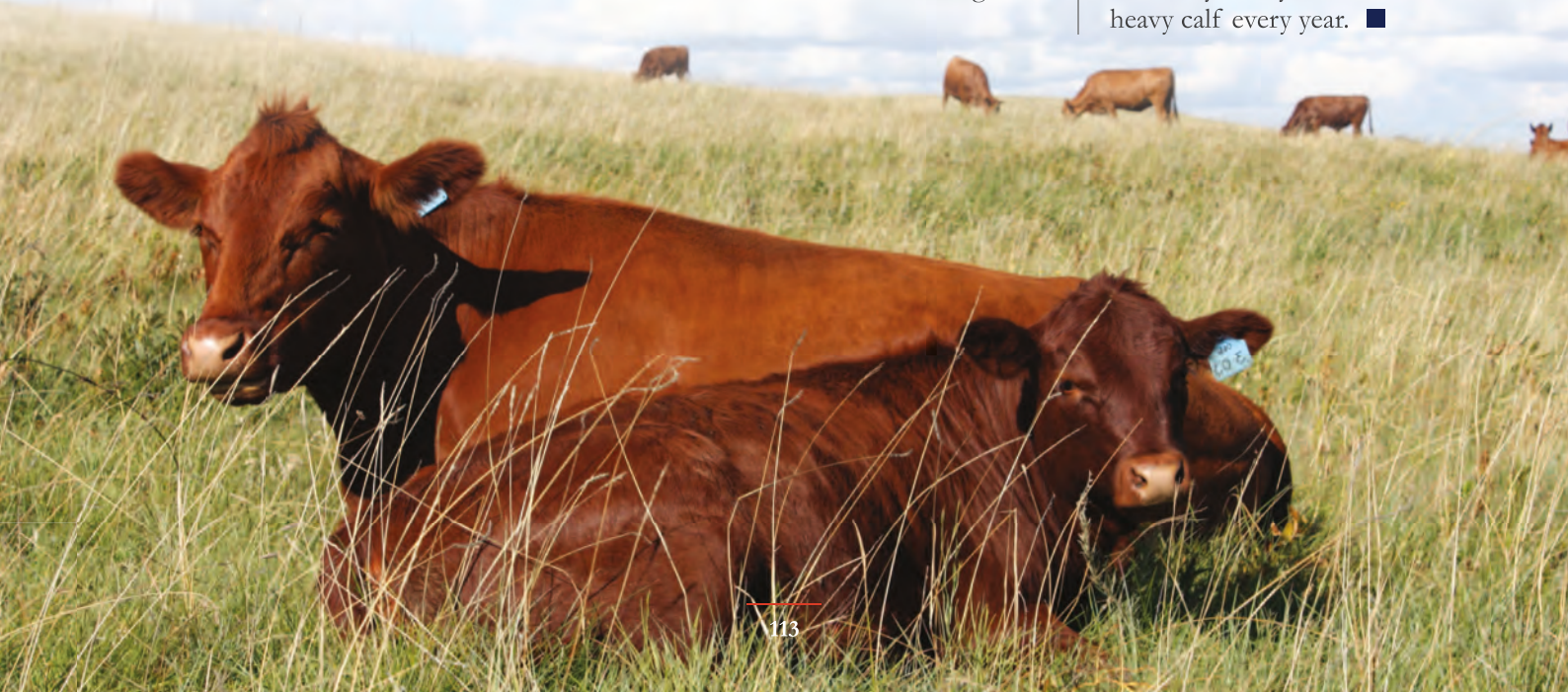
1. Classical wedge shape from fore to hindquarter
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3. Level, neat udder with square teat placement
4. Thin but strong tail, further exhibiting femininity
5. Dark red hooves with well placed legs for good walking ability



Consider this young heifer which lives on sourveld in the Memel area. She weaned this magnificent heifer calf at over 50% of her body mass, and was certified pregnant in a 90 day breeding period.

The above pictures illustrate that “form follows function” and selection for animals which are too big or

carry too much muscle is not the correct manner in which to produce beef economically. The Afrigus is a female which has the ability to adapt to most environments from the sweet bushveld, the dry arid Kalahari right through to the highland sourveld and remains a functional female with all the necessary ability to raise an heavy calf every year. ■





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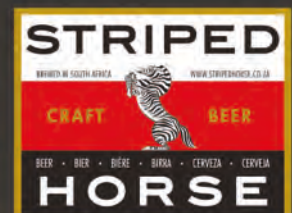


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Owner: Warwick Evans
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GORAH

Eienaar: Bull van Rensburg
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HUMANSDORP 6300
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(Black)

INGRAM ANGUS

Owner: Colin Ingram
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(Black & Red)

KIFT, DR. M J

Eienaar: Martin Kift
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(Red)

KNOTT, S

Owner: Sid Knott
Stoetnaam | Stud name: SK
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TUESDAY

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Johannes Botha
083 272 6338



Dr Johan Kahts
082 453 9817

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VEILINGDATUM:

9de Produksieveiling, 15 Aug 2018 te Van Wyksrust, Bothaville

35 rooi- en 5 swart bulle asook 40 vroulike diere op veiling beskikbaar.

ROECHAMA Suré



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Photo by Jan van Dyk

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