

ANGUS JOURNAL 2020

... ————— ...

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2020**

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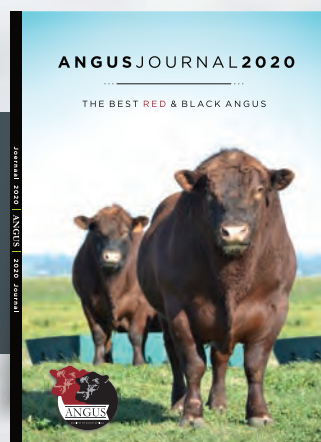
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PUBLISHERS • UITGEWERS

The Angus Society of SA / Genootskap van SA
Posbus 6759, Bloemfontein, 9300
Tel: 051 447 9849
Danie Dames | Cell: 082 3069 358
www.angus.org.za • E-pos: info@angus.org.za
Editor: Linette van Niekerk

Ons bedank Pendulum Visual Communication vir hulle professionele samewerking met die uitleg en druk van hierdie tydskrif.
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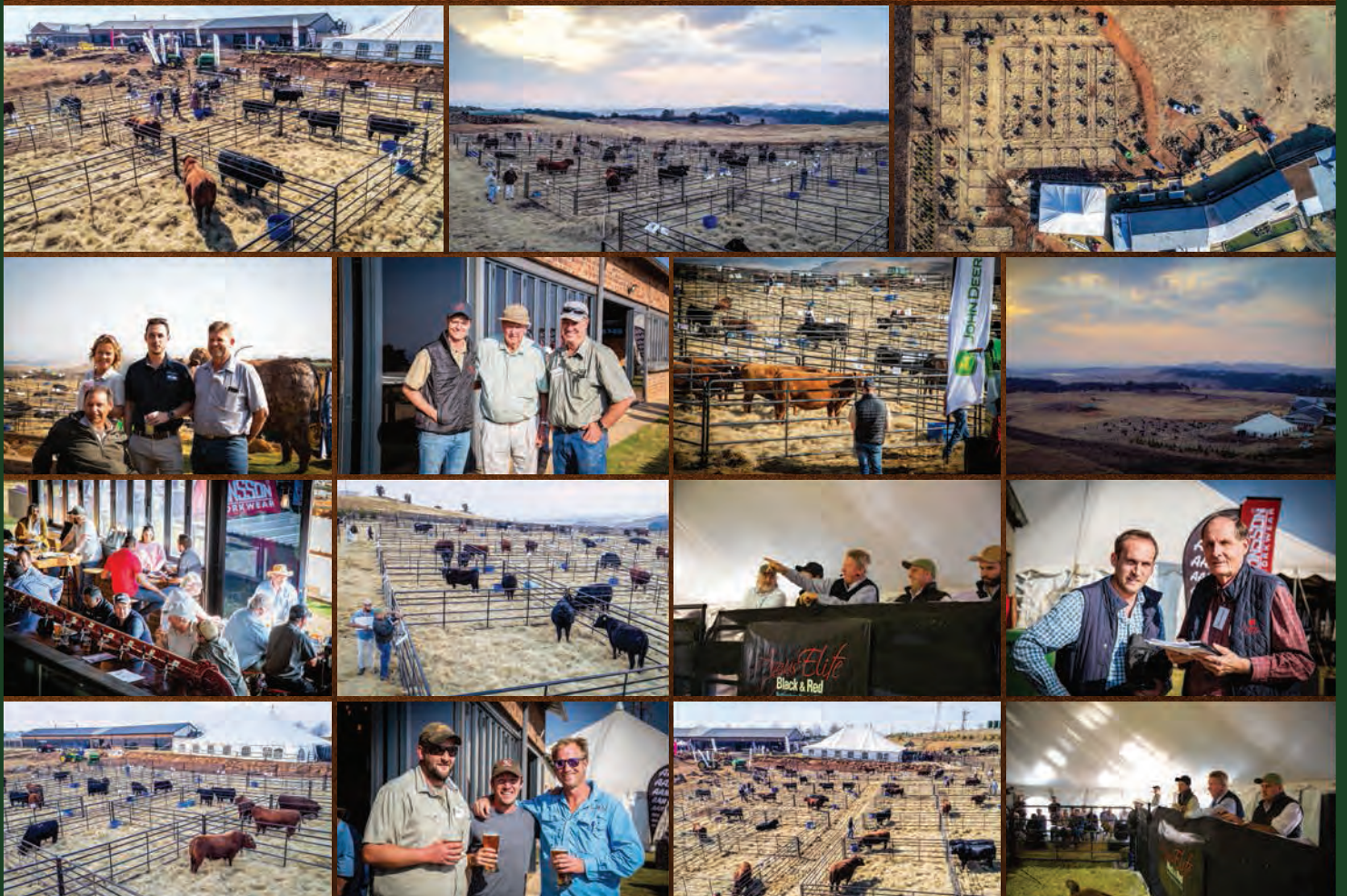
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MESSAGE by the CHAIRMAN

“Success occurs when
opportunity meets
preparation.”
(Zig Ziglar)



Lesle en RC Malherbe
(Swartlandskou, Moorreesburg 2019)

Coming in to this new decade, we have the opportunity to be the most successful breed in the country. Our breed has a unique quality: **the best, affordable meat in the world!** In the past year, we have partnered with Woolworths, to brand and grow our product. We are expecting the partnership to be beneficial to all parties involved, including the Angus breed. In my view, 2020 will be the most important year for Angus Beef and the success of this programme, will determine the existence of the Angus Beef Company in the future. We, the breeders, have to stand together and recruit weaner calves for Woolworths Angus Beef. This will increase the value of our Society, as well as the cattle on our farms.

Ons sukses sou nie moontlik gewees het, was dit nie vir die goeie ondersteuning wat ons ontvang het nie. Hiermee 'n woord van dank en waardering aan almal wat help om 'n uitstekende produk op die rakke te plaas. Dit begin by elke kommersiële-boer wat Anguskalwers vir ons beskikbaar stel. Elke teler wat sorg dat daar genetiese vordering gemaak word en goeie teelmateriaal aan boere beskikbaar stel.

'n Woord van dank aan elke teler wat help met die werwing van Anguskalwers.

Groot dank aan Hendrik Botha, Peter Carroll en Osdam wat tans die afronding van die kalwers behartig, asook Cavellier wat die slag en verpakking van ons produkte so perfek doen. Vir die wat nog nie daar besoek afgelê het nie – hulle is leiers op hulle gebied en ons wil hulle gelukwens met hulle uitmuntende besigheid.

'n Woord van dank aan Woolworths wat wat die end-produk op hul rakke plaas.

Baie dankie dan aan Klasie Loubser vir sy volgehoue toewyding om van hierdie projek 'n sukses te maak. Dit verg baie tyd en opoffering. Ons, as genootskap, waardeur dit opreg.

Laastens, baie dankie aan ons kantoorpersoneel, wat ons sake met groot sorg behartig en ons passie vir ons ras deel.

Die jaar 2020 het met groot opwinding begin danksy goeie reënval in sommige dele van ons land. Ons harte gaan uit na boere wat nog nie reën ontvang het nie, en steeds gebukkend gaan onder die knellende droogte.

Die Bek en Klouseer verbod het aanvanklik 'n demper op vooruitsigte geplaas. Met die verbod wat gelig is, kan ons stoetveilings en skoue voortgaan soos beplan.

Ons glo dat 2020 n uitstekende landboujaar sal wees.

I would like to leave you with the wise words of Angel Chernoff (2020):

If the grass looks greener on the other
side...

Stop staring.

Stop comparing.

Stop complaining.

Start watering the grass you're standing on.

SCJ 18 0003
Mr Restaurant ET



Wayne

Skouresultate 2019

BLOEMFONTEIN SKOU

- Bulkalf Kampioen
- Groot Kampioen Bul

SWARTLAND SKOU (Nasionale Kampioenskappe)

- Bulkalf Kampioen
- Interras Bulkalf Kampioen

SANDRINGHAM AGRI-EXPO

- Bulkalf Kampioen
- Groot Kampioen Bul

SCJ 17 0007
Ms 306 Jewel 17 07



Wayne
Southwood

Skouresultate 2019

SWARTLAND SKOU

(Nasionale Kampioenskappe)

- Junior Kampioen Koei/Vers
- Interras Junior Kampioen Koei/Vers

SANDRINGHAM AGRI-EXPO

- Junior Kampioen Koei/Vers
- Interras Junior
Kampioen Koei/Vers

SANDRINGHAM AGRI-EXPO

- 6 Kampioene
- 6 Reserwe Kampioene

SWARTLAND SKOU

(Nasionale Kampioenskappe)

- 1 Kampioen
- 4 Reserwe Kampioene

BLOEMFONTEIN SKOU

- 1 Kampioen
- 3 Reserwe Kampioene

- Meeste Gekombineerde Punte,
Nasionale Kampioenskappe 2019
- SA Stamboek Elite Goud
- SA Stamboek Streekwenner
- Pat Mossop Silwer toekenning

Swart Angus Teler van Kampioene 2019

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Notes from the Editor

Die oomblik waarin veranderingring gemaak word, ter wille van voortbestaan, tree instink en die wil om te oorleef op die voorgrond. Wanneer ons terugkyk op sulke oomblikke en die besluite wat ons geneem het, kry ons soms nuwe respek vir die krag wat in elkeen van ons opgesluit lê.

Ons lewe in 'n wêreld waar dit baie maklik is om geïsoleerd en alleen te voel met tegnologie en wetenskap wat met 'n geweldige spoed ontwikkel. Om by te hou met die tempo waarteen verandering in ons leefruimte plaasvind, is 'n uitdaging op sy eie!

Oor die afgelope aantal jare het verandering in die Landbou-sektor noodsaaklik geword. Die wetenskaplikes en landboukundiges spreek graag hul opinie uit oor die blywende aard van nuwe ontwikkelings. Geen boer, hetsy kommersiële-produisent, of stoetteler, lewe in isolasie nie. Nuwe wetenskap moet bestudeer word en die voordele (en nadele) moet deeglik ondersoek word. Volgens my verwysingsraamwerk, is dit egter noodsaaklik om nooit die verlede en wat daaruit geleer is, te onderskat of te vergeet nie.

Dit tref my herhaaldelik dat mega-boere en stoet-boere op TV-programme opmerkings maak soos: “Ek het baie foute gemaak in my boerdery, omdat ek nie meer toegepas het wat my Pa en my Oupa my geleer het nie”. Opmerkings soos hierdie bring telkens die besef dat die verlede baie waarde toevoeg in elkeen van ons lewens. Daar kan egter nie van verandering, wetenskaplike ontwikkeling en vooruitgang weggeskram word nie. Kontrasterende begrippe van 'n belangrike verlede en noodsaaklike verandering vir toekomstige voortbetaan? Ook maar goed ons kan self besluit watter roete om te volg, al beteken dit dat ons soms langs die pad van rigting moet verander om by ons bestemming uit te kom!

The Society wishes to thank the sponsors, advertisers and writers for making the 2020 Angus Journal possible.



Any change, even a change for the better, is always accompanied by discomfort
- Arnold Bennett



Mrs Johanna Elizabeth Cloete,
7 April 1943 – 18 May 2019.

Mrs Cloete will be remembered for her dedication, loyalty and efficiency.
One word comes to mind – Lady.

Rest in peace, Mrs Cloete, for you have done your best with the time borrowed from above.



In compiling the 2020 Journal, I cannot help but to remember Mrs. Johanna Cloete. The annual publication was her favorite “job”, one can be forgiven for calling it her favorite hobby! Our thoughts are with her family and friends.



Linette van Niekerk
Editor

Van die Rasadviseur

2019 Was 'n jaar van vernuwing. Dit is vir my 'n voorreg om deel te kon word van die Angus Genootskap en die Angusfamilie.

'n Jaar in die lewe van 'n beesboer sal altyd vol uitdagings wees. Dit is die Suid-Afrikaanse landbouer se vermoë om uitdagings te omskep in nuwe geleenthede, wat van ons die mees innoverendste boere in die wêreld maak.

Die Angus Genootskap is sterk en in 'n goeie posisie, ten spyte van droogtes en ekonomiese onsekere toestande wat die land tans beleef. Bulverkope in 2019 was uitstekend, dit kan gekoppel word aan verskeie faktore wat na verwagting gaan oorspoel in 2020. Ek glo dat die komende jaar die beste jaar nog sal wees vir ons bulverkope.

2020 Beloof om 'n goeie jaar vir beesboere te wees en die grootste persentasie van die land het goeie reën gehad, op die regte tyd. Vir Angustelers is daar egter nog meer om oor opgewonde te wees. Angusvleis is vanaf November 2019, landwyd beskikbaar op Woolworths se rakke, soos almal alreeds weet.

Angus Beef is wêreldwyd die grootste vleishandelsmerk. Dit is 'n groot prestasie om Angus Beef op die rakke van 'n bekende handelsmerk soos Woolworths te kan hê. Die aanvraag na Angusvleis het alreeds verdriedubbel vanaf die bekendstelling in November 2019. Vir elke stoet- en kommersiële Angusteler is daar groot geleenthede wat hiermee gepaard gaan.

Die kommersiële-mark is die ruggraat van ons ras, en sekerlik een van die belangrikste aspekte waaraan daar aandag gegee moet word. Die Angus Genootskap, Angus Klubs en stoettelers gaan baie aandag hieraan moet gee in 2020. Angus Klubs in verskeie provinsies is alreeds aktief besig om aandag hieraan te gee. Ons fokus moet wees om die kommersiële-teler deel die maak van die Angusfamilie.

Die jeug is ons toekoms en wêreldwyd word daar baie klem gelê op die jeug en met goeie rede. Statistieke bewys ons dat al hoe minder jongmense betrokke raak by die landbou. Dit is ons plig as Angustelers om die jongmense weer opgewonde te kry oor die beesbedryf.

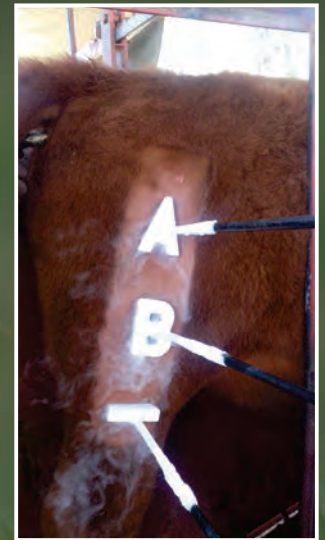
Ek wil elke Angusteler daar buite uitdaag om 'n jong- of opkomende boer onder die vlerk te neem en deel te maak van die Angus Genootskap en familie. Kom ons, as Angustelers, kry die jeug weer opgewonde oor die landbou en die beesbedryf. Ondersteun die kommersiële-teler en reik na hulle uit. Op hierdie manier gaan ons hierdie besonderse ras van ons na nuwe hoogtes neem.



Danie Dames

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Dates to Remember 2020

April	3	Beoordelaarskursus	082 306 9358	Danie Dames	Hertzogville
	3-5	Vryburg Skou	053 927 3945	Lizet	
May	1	Bloemskou	082 782 8483	Rudi Claassen	Bloemfontein
	12 - 15	NAMPO			Bothaville
	22 - 31	Royal Show	082 413 9801	Douglas Fletcher	Pietermaritzburg
	28	Pioniers Veiling	083 327 9186	Seymour Currie	Melkbosstrand
June	4	Suid-en Wes-Kaap Klubveiling	083 455 1151	Hoffie van Blerk	Moorreesburg
	11	Rheeboksplaas Veiling	082 460 6327	Gielie Geldenhuys	Ceres
July	8	Malutieveiling	082 774 6804	André Breytenbach	Clarens
	9	Transgariëp Veiling	082 773 3123	Fanie Lubbe	Trompsburg
			082 772 9472	Martiens le Roux	
			082 895 8188	Ian MacLachlan	
	16	East Cape Angus Sale	082 326 8509	Anton Vermaak	Alexandria
	18	Prestige Angus Sale	082 651 9266	Jannie Kotzé	Moorreesburg
	21	Midlands Angus Sale	082 774 9901	Friedel Keyser	Mooi River
	23	Hide-A-Way's	082 550 7847	Piet Delpont	Migdol
			082 222 4269	Hendrik Delpont	
	28	Mpumalanga Boeredag	082 306 9358	Danie Dames	
August	4	Angus Elite Black & Red Sale	082 574 9309	Colin Emanuel	Nottingham Road
			082 573 7424	Rob Kleinloog	
	18	Astro Veiling	082 804 1796	Anton Pelsner	Hendrina
	18	EG Bull Sale	083 277 7933	David Louwrens	Cedarville
	19	Angus Alliance	084 851 8262	RC Malherbe	Bothaville
			072 408 5699	JM Steyn	
			082 255 3037	Loutjie Campher	
			082 926 3418	Louren Campher	
	26	Makojalo Veiling	083 627 8131	Kobus Delpont	Potchefstroom
	26	Aucdeen Sale	082 772 5323	Hannes Aucamp	Molteno
	27	Waterkloof Rooi Angus	082 577 2502	Nico Uys	Heidelberg
	27	Parker Sale	082 555 5779	Rob Parker	Humansdorp
September			082 322 7788	James Parker	
	1	Kroon Angusveiling	083 272 6338	Johannes Botha	Viljoenskoon
			082 453 9817	Johan Kahts	
			083 987 7060	Issie Liebenberg	
	2	Sid Knott Sale	082 321 0673	Donald Knott	Kei Road
	3	Syferpan Sale	072 402 2028	Lawrence Moorcroft	Queenstown
	9	VJ Sale	082 879 2744	Chris Purdon	Cathcart
	15 - 17	ALFA		NAMPO	Bothaville
	15	Dunedin Sale	073 330 5579	Carl Miles	Dordrecht
	17	WAF Trust Veiling	083 290 4318	Estè Fick	Clocolan
	30	Malherbe & Roberts Veiling	084 851 8262	RC Malherbe	Hertzogville
October	2	Angus AGM	082 306 9358	Danie Dames	Eastern Cape
	8-11	AGRI-EXPO Sandringham	082 333 8903	Stefan Terblanche	Stellenbosch
	13	Ultimate Veiling	082 075 3541	MJ Ernst	Klerksdorp
			082 550 7847	Piet Delpont	
			082 733 4762	Janke Vosloo	
			082 797 4366	Stoffel Wiese	
	21	Milagro Sale		Andrew Masterson	Oyster Bay
November					
December	15	Angus office close			



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FEED FOR THOUGHT

– Climate Change and Adapting to it

One of the most discussed topics around climate change and factors contributing to climate change is the green house gas production (especially methane) by ruminants. Methane is mainly produced as a by-product through enteric fermentation where the microbes (bacteria, protozoa and fungi) in the rumen break down plant biomass eaten by the animal. The animal will then mainly excrete this gas through eructation. This might be true, but what about the game animals which consumed these grasses before we started to farm with cattle? What about the methane production of grass that decays? One study shows that cows produce 0.5 cubic metre of methane per day, while one hectare of decaying grass produces 11.12 cubic metre of methane per day. This might make some people “ruminant” on the topic even further. In an ever changing world it is said that grasslands might even be more successful in capturing CO₂ than trees in the future.

Climate change also brings about shifts in seasonal patterns as we used to know it. The rain seems to start falling later in the season and the dry season seems to continue longer than before. This has a major impact on fodder production which tend to leave the beef producer with less available dry material (DM) to utilize throughout the year. Increased mean temperatures also impacts livestock production where increased temperatures affects water availability, animal production, reproduction and health.

Now, the question arises, how do we combat and adapt to climate change? The answer lies in having cattle that are more productive and through proper management of the resources at your disposal. It is also important to try and farm in harmony with the environment and not by trying to manipulate it as you go along. If cows calf out of sync with the natural resources available, the costs of supplement feeding can increase and become very high before you might even notice it.

Animals can become more productive by giving them the correct amount of the right feed, at the right time. In short, we can address this by dividing our lick supplementation into three phases:

- **Summer (wet season)**
- **Winter (dry season)**
- **Later winter**

Summer – This season mainly lasts for 5 months with green pastures high in protein. The main goal during this season is for the animals to gain weight at an optimal rate. It is a well known fact that forages in South Africa is phosphorous (P) poor during the rainy season. It is thus important to supplement P during the rainy season and if possible throughout the year. Studies done by Molatek and other researchers showed that by supplementing P throughout the year has a beneficial effect on cows by increasing calf weaning weights and cow conception rates of the following mating season. It also reduced weight loss through the dry months and reduced mortality significantly. Furthermore, P plays an important role in fertility, skeletal- and muscle growth, overall animal condition and it also act as a buffer to regulate blood pH. Products such as Molatek Phoslick and Molatek Phos Block can be used with success during this phase. The Phoslick has a 10% protein content with nitrogen (N) which assist in the digestion of grass during dry summer periods.

Jacques Jansen van Vuuren
RCL Foods – Technical Manager Molatek



Winter – The winter season also lasts for roughly 5 months. Supplementing licks during this period will depend on the area and type of veld. Higher rainfall areas tend to have sour veld where lower rainfall areas having sweeter veld. Sour veld is less palatable and also have a lower digestibility than sweet veld. It is thus important to supplement N to assist the microbes in digesting the roughage which will increase the DM intake of the animal. The microbes utilises the N to produce microbial protein which in turn gets absorbed by the animal. Molatek's Protein Lick 40 is an excellent product to supplement areas low in P during this time as it contains 1% P. Protein Lick 40 also performs well on sweet veld. For veld less palatable and of poor quality, Molatek Dryveld 46 can be used. Animals will consume about 400-600 grams per day, depending on the veld quality. It is advisable that you supplement extra P if the veld is P poor as Dryveld 46 is low in P. If you prefer to mix licks on farm, we can highly recommend Molatek Lick Mix 87 as a starting point. It is a protein concentrate which can be used to mix transition licks, maintenance licks and production licks. Because it already has urea included, it makes it safe to mix according to the mixing instructions as no free urea needs to be added on-farm.

Late winter – This is also called “the deadly” or “survival” period and can last for 2-3 months. This period will require you to supplement protein, energy and minerals to your herd. It is

normally where the grass left over is of poorest quality and not very abundant also. It is a short period but a critical period to ensure optimum production from your herd. Molatek's Master 20 is one of the best known products for this period. The high palatability of the product ensures high intakes to limit weight loss and it contains natural proteins so it can be given to young animals with success. Molatek Condition lick can also be used as supplementation during this period.

It is important to remember that ruminants are made to consume fibre (grass). We as farmers should supplement the short fall that arise from different seasons and even different areas on your farm. Keeping this in mind, we need to understand the needs of the animal also. For maintenance, a 530kg cow needs 12kg DM, 56MJ/kg ME and 660g protein per day (NRC Tables). For production this changes significantly. The requirements for a heifer that is lactating and still growing herself can increase to almost 1000g protein per day. To put this in perspective, if she consumes 9kg DM of grass per day, at 6% protein, she will consume 540g protein through the grass. If you supplement her with a 20% protein lick, you will need to supplement 2.3kg of that lick per day to meet her demands for protein alone. It is very helpful to know the nutrient value of your veld and planted pastures so that you can make calculated decisions on which supplements and at what inclusion level to give.



Photo: Wilru Campher LOUMOTTA, Venterdorp.

So, what do you do when the rain is late and you run into a drought situation? It is very important that livestock farmers make the right decisions early enough to minimise losses. These might include:

- **Selling surplus animals on time**
- **Young breeding animals are scarce after a drought and they should be kept if possible**
- **Only keep productive animals that will contribute in the following season**
- **Seperate types and sizes of animals so that they can be fed accordingly**
- **Place animals in small camps to limit their energy expenditure by walking around**
- **Sufficient clean drinking water with sufficient drinking space**
- **Sufficient eating space (30cm per head)**
- **Keep an eye on animals and take out shy eaters to feed them separatly**
- **Provide shade if possible. Animals in hot conditions will waste energy to cool down**
- **Provide roughage at least 0.5% of body mass, preferably 1% - ruminants need roughage!**
- **Provide a fodder bank at 15% more than what you would normally consider to have sufficient spare roughage**

In closing, the following points to remember. Like I mentioned before, ruminants were made to eat grass. It is thus important to have enough spare veld available and to supplement the needs of the animals. Animals that needs to be prepared for shows and

auctions will naturally need different feeding to those on the veld with normal supplements. Farming and breeding animals is a science, but it still pays to stick to the basics.



Photo: Wilru Campher LOUMOTTA, Venterdorp.

For more information, visit www.molatek.co.za for products used in different farming practices. You can also get in touch with us by contacting the technical advisor in your area, which is also found on the website.

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IS JOU GENETIKA GEREED VIR 2030??

Deur Gerrit van Zyl, Februarie 2020

Dankie vir die voorreg om 'n bydrae te maak tot die Angus Joernaal vir 2020.

Die feite bly staan dat beesboere, volgens my, belangrike besluite en drastiese aanpassings sal moet maak om in die toekoms volhoubaar te kan boer.

Ek maak hierdie stelling met faktore in gedagte soos verhoogde insetkoste, dreigende klimaatsverandering en die betalingsvermoë van die end-verbruiker (die huisvrou).

Ons, as stoetboere, het die verantwoordelikheid om die rigting aan te gee deur die “regte” genetika beskikbaar te stel. Sodoende onself en die kommersiële-boer, die beste kans te gee tot oorlewing. Dit plaas 'n belangrike verantwoordelikheid op ons, as stoetboere, se skouers.

Uit die geskiedenis kan ons leer dat die mees suksesvol en gelukkigste mense, diegene was, wat besluite geneem het met die toekoms in gedagte. Hierdie stelling bly vandag nog waar!! Die meeste suksesvolle mense weet dat niks dieselfde bly nie. Die huidige verskil van die verlede, en die toekoms gaan verskil van die hede. Diegene wat besluite neem met die toekoms in gedagte, gaan altyd 'n kompeterende voordeel hê, bo diegene wat gaan aanhou om besluite te maak gebaseer op die verlede of die hede. Suksesvolle mense is altyd op soek na geleenthede, eerder as om vasgevang te word in die soeke na 'n skuldige party.



WINDMEUL Angus
Theuns Bruwer

Ek is huiwerig om hardop te erken dat die fokus van stoetteling dalk verskuif het vanaf 'n verantwoordelikheid, na 'n obsessie om hoë pryse vir diere te behaal. Hierdie obsessie word grootliks gedryf deur ego's en dan tot 'n mindere mate, deur die voordurende verhoging in die koste van stoetteling wat insluit: die toets van jong bulle, genootskapfooie, registrasiefooie, koste van dataverwerking en die voerkoste van veilingsdiere. Die stygende koste van bemarking, speel ook 'n toenemende groter rol in die strewe na hoër pryse. Ons het “vergeet” dat stoetteling 'n mense spel is waar jou diere jou beste bemarker is. Die fokus moet wees om 'n goeie produk teen 'n bekostigbare prys daar te stel.

Wat is die doel van hierdie produk??(genetika)

Hierdie diere se nageslag moet die wins per hektaar van 'n goeie beesboer volhoubaar kan verhoog.

Hoe moet hierdie produk lyk??

1. Dit is 'n diere wat aangepas is in sy omgewing. Wat sonder te veel addisionele insette, natuurlike weiding winsgewend kan omskakel in bekostigbare proteïen.

2. Dit is 'n diere wat haar goeie liggaamskondisie behou (LKT), met hormone wat in balans is.

3. Dit is 'n vrugbare, medium raam diere, wat 48-50% van haarself elke jaar speen. Dit is 'n diere wat nie gepamperlang hoef te word nie.

4. Verder kalf sy op 24-26 maande ouderdom en herhaal dit elke jaar, vir ten minste 10 jaar.

5. Dit is 'n diere waarvoor die voerkraal 'n premie betaal maar, wat ook winsgewend op die veld afgerond kan word.

Ek dink die jaag na hoë pryse het ons fokus laat verloor om diere te teel wat meestal op natuurlike weiding kan oorleef. Miskien het stoet vroulike diere te waardevol geword dat hulle moeilik, by die plek waar hulle hoort - die slagpale, beland. Ons sit op die uiteinde met 'n klomp pragtige verskonings, wat die volgende geslag genetika moet produseer. Hierdie diere sukkel om die verantwoordelikheid wat ons teenoor kommersiële-boere het, na te kom.

Ek dink geweldig baie aan die aanhaling dat 50% van teling as “K O S” gespel word. Hierdie is 'n groot aanklag teenoor die integriteit en toewyding van so baie stoetboere oor baie jare heen. Mense wat hulle lewens toegewy het aan die vermeerdering van meerderwaardige genetika. As dit so maklik was, sou almal dit kon doen. 'n Voerkraal sou dan die beste teler wees, want hulle gee die meeste KOS. As stoetboer is dit 'n klap in my gesig!

Dit is ongelukkig waar dat ons baie, in sekere gevalle te veel, gefokus het (of nog steeds doen) op individuele diere se prestasie. Die finansiële druk, weens redes waarna ek



WINDMEUL Angus
Theuns Bruwer

vroeër verwys het, noodsaak ons om anders hierna te kyk. Omdat ons, as produseerders van genetika, die voortou moet neem glo ek dat ons toenemend sal moet kyk na wins per hektaar. Hierdie paradigma skuif ten opsigte van evaluering van boerdery ondernemings se prestasie, gaan ons dwing om dalk 'n ander tipe diere te teel, wat aan hierdie maatstaf gaan voldoen.

'n Sleutel fokus (silver bullet) om meer wins per hektaar te genereer is 'n goeie weidingstelsel wat jou bemagtig om **volhoubaar** meer diere te kan onderhou. In kort moet jy meer gras groei met dieselfde hoeveelheid reën. Daarom moet jy elke druppel water en elke sonstraal effektief kan benut. Die nuutste inligting wys daarop dat die groot geheim lê in die transporter van koolstof, deur middel van fotosintese, in die grond in. Daar is literatuur wat wys dat as ons die persentasie koolstof van die grond met 1% kan verhoog, ons die waterhou vermoë van daardie grond met tussen 168000 tot 250000 liter per hektaar verhoog. Ook verdubbel jy die infiltrasie tempo van water dramaties. Verder ontsluit jy die mikrolewe onder die grond wat verder tot grondgesondheid lei en sodoende meer en beter kwaliteit weiding bewerkstellig.

Omdat die grootste persentasie van ons uitgawes gebruik word om ons koeifabryk in stand te hou, is dit die plek om 'n besparing te bewerkstellig. Enkele opsies is om jou kalfseisoen te skuif om saam te val met die beskikbaarheid van groen gras. Verder ook om 'n diere te teel wat meer effektief is om natuurlike weiding in proteïen om te skakel. **Hierdie is eerder tipe spesifiek as ras spesifiek.**

Saam met die verandering van die tipe diere en wat hulle moet doen, moet bewaringslandbou plek maak vir herlewingslandbou. Bewaring is maklik, onttrek net al jou vee. Herlewing is eerder die soeke na maniere om lewe te versnel en te koester. “Management for what you want not for what you don't want”. Die mikpunt is om alles in ons vermoëns te doen om groter wins per hektaar te bewerkstellig. Jy sal alle fasette van jou onderneming moet evalueer, om seker te maak jy is op die regte pad.

Ons as stoetboere, moet besin of ons kuddes ge-rat is hiervoor en ook die vraag vra of jou ras reg ge-posisioneer vir die toekoms? Die vraag is nie meer wat is jou speenmassa of wat is jou besettingssyfer nie, maar eerder wat is jou wins per hektaar?? Hierdie is wat jou en my sal help om nog vir geslagte volhoubaar te kan boer, of nie.

Dit bly egter 'n voorreg om in God se tuin te werk. Ons moet nie fokus verloor nie en die aanpassings moet vroegtydig gemaak word.

Dankie vir die wonderlike geleentheid om 'n paar gedagtes met jou te deel.

Sterkte met die goeie werk wat almal doen. Die Angusras is 'n wonderlike ras maar onthou, hou die oë op die bal!

Ek wil graag afsluit met 2 aanhalings:



WINDMEUL Angus
Theuns Bruwer

*“You can
educate a man
– but you can't
make him
think.”*

*“We don't
have to
change but we
have to
compete with
those who do.”*



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VLEISSENTRAAL-SA

STAMBOEK ELITE BULGROEITOETSKLAS

2019 BLOEMSKOU

Wenner: Angus-bul, Nr ZEC 170010, van Dr Enslin Coetzee van ZEC ANGUS van Bothaville.

Vleissentraal het in samewerking met SA Stamboek, die Elite Bulgroeitoetsklas vir Fase C-getoetse bulle, op 29 April 2019 tydens Bloemskou in Bloemfontein, aangebied. Bulle wat word op grond van prestasies in 'n Sentrale- of Plaasgroeitoets gekwalifiseer het en deur die betrokke Telersgenootskap genomineer is, neem aan hierdie kompetisie deel.

Die doel van hierdie toetsklas, is om 'n waardevolle bydrae te lewer om prestasietoetsing in die regte perspektief te plaas en om die korrekte en gebalanseerde gebruik van

prestasiedata in die skouring te bevorder.

In 2019 het 18 bulle van verskillende rasse aan die Vleissentraal-SA Stamboek Elite Bulgroeitoetsklas deelgeneem, nadat hulle voldoen het aan die minimum standaarde om deel te neem, en goedgekeur is deur die onderskeie beestelersgenootskappe.

Die Rooi Angus-bul, Nr ZEC 170010, van Dr Enslin Coetzee (ZEC ANGUS) van Bothaville is as wenner van hierdie klas aangewys. BAIE GELUK!!



FOTO: Vlnr

Mnr Anton Vos (Besturende Direkteur: Vleissentraal), **Freddie Wasserfall** (President: SA Stamboek), **Dr Japie van der Westhuizen** (Hoofbestuurder: SA Stamboek), **Mnr Issie Liebenberg** (nms Dr Enslin Coetzee - ZEC Angus), **Isaac Koba** (hanteerder)

'n Wisseltrofee en geraamde sertifikaat word deur die hoofborg, Vleissentraal, aan die eienaar van die wenbul oorhandig. Al die ander deelnemers ontvang ook 'n geraamde sertifikaat. Na afloop van die skou word die wenbul deur David Johnson geskilder, en dié skildery word later tydens die daaropvolgende jaar se kompetisie, aan die eienaar oorhandig.

Voor die aanwysing van die wenbul, was die beoordelaars se keuse van die top 5-bulle (in alfabetiese volgorde) as volg:

- Angus (rooi) ZEC 170010 van dr. Enslin Coetzee, ZEC Angus, Bothaville
- Braunvieh CDH 170004 van mnr. Christopher Havenga, Christopher Braunvieh Stoet, Petrusville
- Hereford HVR 170003 van mnr. Harley van Rhyn, Hoekland Herefords, Tulbagh
- Limousin XRL 16103 van mnr. Derick le Roux, Xourel Limousins, Coligny
- Sussex NJB 170034 van mnr Nico Bouwer, Witkwas Sussex Stoet, Delareyville



Voor VLNR:

Mnre Christopher Havenga, Nico Bouwer, Issie Liebenberg (nms Dr Enslin Coetzee), Harley van Rhyn, Ezette Coetzee (nms Derick le Roux)

Agter VLNR:

Dr Japie van der Westhuizen (Hoofbestuurder: SA Stamboek), Me Marinda van der Merwe (Bemarkingsbestuurder: Vleissentraal), Mnr Anton Vos (Besturende Direkteur: Vleissentraal)

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Dr. Enslin Coetzee
083 255 1638 | enslincoetzee@gmail.com

National Championship Show



NATIONAL SHOW, MOORREESBURG.

The bi-annual National Championship Show was held on 12 and 13 September 2019 during the Swartland Show, at Moorreesburg in the Western Cape.

Exhibitors from North West, Free State, Southern and Western Cape took part in a very successful National Championship Show. About 200 Angus cattle competed over two days for the ultimate title of Grand Champion and Supreme Champion.

The Canadians Lee and Dawn Wilson, from Miller Wilson Angus, performed an excellent job judging both the Red Angus and Black Angus at the Swartland Show. The Canadian judges were surprised by the top quality Angus cattle exhibited at the National Show. They were of the opinion that South African bred Angus compares well with Angus cattle world wide.

The Western and Southern Cape Angus Club hosted the National Championship Show brilliantly, and the hospitality of the Western Cape did not disappoint!

A very BIG THANK YOU, to the Western and Southern

Cape Angus Club and to Jannie Kotzè, for organizing a memorable event.

Without sponsors, events like the National Championship Show, would not be possible.

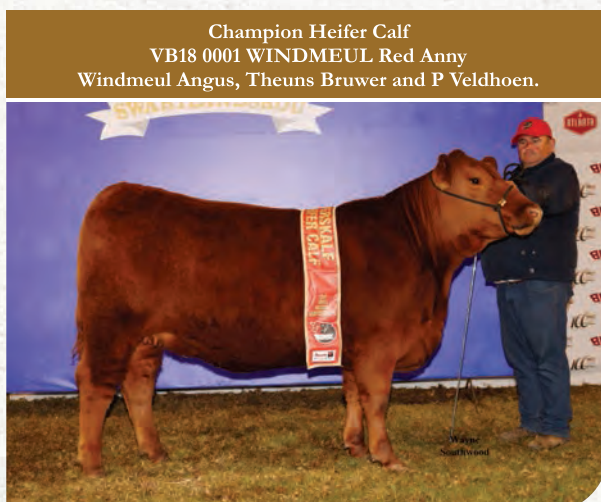
The Platinum sponsors were, Woolworths, BKB, Voermol and Taurus Evolution. With ABSA being a main sponsor of the Swartland Show.

MILAGRO ELLE 1210E (ACM12 0010, Andrew Masterson Family Trust) won the title of Red Supreme Champion and DE PANNE LOCOMOTIVE (DE17 0002, Jannie Kotzè) won the title of Black Supreme Champion.

RC Malherbe en Vennote won the award for Breeder of Champions, Red Angus and Joyce's Angus (Seymour Currie) won the award for Breeder of Champions, Black Angus.

The next National Championship will be held during the Bloem Show, in 2021.

Photos by Wayne Southwood.



Champion Heifer Calf
VB18 0001 WINDMEUL Red Anny
Windmeul Angus, Theuns Bruwer and P Veldhoen.



Reserve Champion Heifer Calf
SCJ18 0049 JOYCE'S MS LUBIONE 849 ET
Joyce's Angus, Seymour Currie.

Junior Champion Female
ACM16 0043 MILAGRO ELLE 1643
Milagro, Andrew Masterson Family Trust.



Senior and Grand Champion Cow
ACM12 0010 MILAGRO ELLE 1210E
Milagro, Andrew Masterson Family Trust

ACM12 0010 was also the winner of the "Best Red Angus" on the 2019 National Show.



Champion Bull Calf
GR18 0018
Groenpunt, André Markgraaff Boerdery



Junior Champion Bull
RCM17 0016 ROECHAMA LEONARD
Roechama, RC Malherbe en Vennote



Reserve Junior Champion Female
BA16 0004 BLACK MAMBA AMY
Black Mamba Angus, Jaco & Theo Smit.



Reserve Senior and Grand Champion Cow
RCM13 0018 ROECHAMA SURÈ
André Markgraaff Boerdery & RC Malherbe en Vennote



Reserve Champion Bull Calf
JHH18 0003 SPANSAAM SMOKEY
Welgegund Boerdery, HOFFIE van Blerk.



Reserve Junior Champion Bull
JMS16 0055 VANSIA MASTER
Vansia, JM Steyn.

Senior and Grand Champion Bull
RCM15 0019 ROECHAMA ELEGANCE
Roetchama, RC Malherbe en Vennote



Zoetis, Interbreed Bull of the Year
LB18 0007 KUILEN LOTTO
GM Loubser Boerdery, Danie Loubser.



Red Angus Show Results

1 Heifer 12-15 MONTHS

- 1 **JOYCE'S SCJ** 180049
- 2 **KUILEN LB** 180010
- 3 **ROECHAMA RCM** 180132
- 4 **KUILEN LB** 180006
- 5 **SPOOR LVR** 180006

2 Heifer 15-18 MONTHS

- 1 **WINDMEUL VB** 180001
- 2 **ROECHAMA RCM** 180023
- 3 **ROECHAMA RCM** 180407
- 4 **MILAGRO ACM** 180010
- 5 **ROECHAMA RCM** 180090

3 Heifer 18-21 MONTHS

- 1 **MILAGRO ACM** 180001
- 2 **SPANSAAM JHH** 180001
- 3 **BLACK MAMBA BA** 180001
- 4 **BLACK MAMBA BA** 180002
- 5 **GROENPUNT GR** 180003

Champion Heifer Calf in classes 1 - 3

Champion Heifer Calf

WINDMEUL VB 180001

Reserve Champion Heifer

JOYCE'S SCJ 180049



Reserve Senior and Grand Champion Bull
KD16 1539 MAKOJALO LOCO MOTIVE
Makojalo, Kobus Delpont.

4 Heifer 21-24 MONTHS

- 1 **ROECHAMA RCM** 170175
- 2 **ROECHAMA RCM** 170171
- 3 **MAKOJALO KD** 171632
- 4 **MAKOJALO KD** 171637
- 5 **KUILEN LB** 170056

5 Heifer 2-2.5 YEARS

- 1 **JOYCE'S SCJ** 170089
- 2 **BLACK MAMBA BA** 170002
- 3 **KUILEN JHH** 170011

6 Cow 2-2.5 YEARS

- 1 **KUILEN JHH** 170021
- 2 **ROECHAMA RCM** 170030
- 3 **BLACK MAMBA BA** 170001
- 4 **VREDENHEIM VL** 170002

7 Heifer 2.5-3 YEARS

- 1 **GROENPUNT GR** 160039

8 Cow 2.5-3 YEARS

- 1 **MILAGRO ACM** 160043
- 2 **BLACK MAMBA BA** 160004

Junior Champion Female in classes 4 - 8

Junior Champion Female

MILAGRO ACM 160043

Reserve Junior Champion Female

BLACK MAMBA BA 160004

9 Cow 3-4 YEARS

- 1 **SPOOR|RHEEBOKSPLAAT GT** 160051
- 2 **MAKOJALO KD** 161533
- 3 **ZEC ZEC** 160023
- 4 **JOYCE'S KD** 161515
- 5 **VREDENHEIM VL** 160028

10 Cow 4-5 YEARS

- 1 **HIDE-A-WAY'S PHD** 150028
- 2 **SPANSAAM JHH** 150010
- 3 **SPANSAAM JHH** 150005

11 Cow 5+ YEARS

- 1 **MILAGRO ACM** 120010
- 2 **ROECHAMA & GROENPUNT RCM** 130068
- 3 **VANSIA PHD** 120040
- 4 **WINDMEUL VB** 140003
- 5 **BLACK MAMBA BA** 130001

12 Super Cow

1 **MILAGRO** ACM 1200102 **ZEC** AC 120772

Senior Champion Cow in classes 9 -11

Senior Champion Cow

MILAGRO ACM 120010

Reserve Senior Champion Cow

ROECHAMA & GROENPUNT RCM 130018

Grand Champion Female

Grand Champion Female

MILAGRO ACM 120010

Reserve Grand Champion Female

ROECHAMA & GROENPUNT RCM 130018

13 Bull 12-15 MONTHS

1 **KUILEN** LB 1800072 **VANSIA** JMS 1801583 **ROECHAMA** RCM 1801524 **MILAGRO** ACM 1800485 **MILAGRO** ACM 180039

14 Bull 15-18 MONTHS

1 **GROENPUNT** GR 1800122 **SPANSAAM** JHH 1800033 **ROECHAMA** RCM 1800674 **GROENPUNT** GR 1800145 **KUILEN** LB 180004

15 Bull 18-21 MONTHS

1 **GROENPUNT** GR 170036

Champion Bull Calf in classes 13 - 15

Champion Bull Calf

GROENPUNT GR 180012

Reserve Champion Bull Calf

SPANSAAM JHH 180003

16 Bull 21-24 MONTHS

1 **VANSIA** JMS 170116

17 Bull 2-2.5 YEARS

1 **KUILEN** LB 1700082 **KUILEN** LB 1700533 **VREDENHEIM** VL 170007

18 Bull 2.5-3 YEARS

1 **ROECHAMA** RCM 1700162 **VANSIA** JMS 1600553 **HIDE-A-WAY'S** PHD 1700074 **VANSIA** JMS 160055

Junior Champion Bull in classes 16 - 18

Junior Champion Bull

ROECHAMA RCM 170016

Reserve Junior Champion Bull

VANSIA JMS 160055

19 Bull 3-4 YEARS

1 **MAKOJALO** KD 1615392 **ROECHAMA** RCM 1504093 **HIDE-A-WAY'S** PHD 160035

20 Bull 5-6 YEARS

1 **ROECHAMA** RCM 150019

21 Bull 5+ YEARS

1 **KUILEN** RCM 140066

Senior Champion Bull in classes 19 -21

Senior Champion bull

ROECHAMA RCM 150019

Reserve Senior Champion bull

MAKOJALO KD 161539

Grand Champion Bull

Grand Champion Bull

ROECHAMA RCM 150019

Reserve Grand Champion Bull

MAKOJALO KD 161539

22 Phace C

1 **VANSIA** JMS 1801582 **ROECHAMA** RCM 1801523 **VANSIA** JMS 180143

22 Phace D

1 **ROECHAMA** RCM 1800672 **VANSIA** JMS 180170

23 Group of 5

1 **ROECHAMA**2 **VANSIA**3 **GROENPUNT**4 **VREDENHEIM**5 **SPANSAAM**

24 Sire Progeny

1 **ROECHAMA**2 **GROENPUNT**3 **ROECHAMA**4 **MILAGRO**5 **VANSIA**

25 Group 3 bulls

1 **GROENPUNT**2 **ROECHAMA**3 **VANSIA**4 **VREDENHEIM**5 **SPANSAAM**

26 Group 3 heifers

1 **MILAGRO**2 **KUILEN**3 **ROECHAMA**4 **VREDENHEIM**

27 Dam Progeny

1 **ROECHAMA**2 **VANSIA**3 **GROENPUNT**4 **ROECHAMA**5 **SPANSAAM**

28 Male & Female

1 **MAKOJALO**2 **ROECHAMA**3 **HIDE-A-WAY'S**4 **ROECHAMA**5 **KUILEN**

29 Cow & Calf

1 **GROENPUNT**2 **VREDENHEIM**3 **MILAGRO**4 **VREDENHEIM**5 **SPANSAAM**

Champion Heifer
VB18 0003 WINDMEUL ALET
 Windmeul Angus, Theuns Bruwer and P. Veldhoen.



Reserve Champion Heifer
VB18 0002 WINMEUL FOXY LADY
 Windmeul Angus, Theuns Bruwer and P. Veldhoen.

Junior Champion Female
SCJ17 0007 JOYCE'S MS306 JEWEL 17 07
 Joyce's Angus, Seymour Currie.



Reserve Junior Champion Female
DE17 0025 DE PANNE HOT GIRL 13 DE
 De Panne, Jannie Kotzè.

Senior and Grand Champion Cow
BA12 0004 BLACK MAMBA NELENE
 Black Mamba Angus, Jaco and Theo Smit



Reserve Senior and Grand Champion Cow
ACM16 0005 MILAGRO POWER 1605
 Milagro, Andrew Masterson Family Trust

Champion Bull Calf
SCJ18 0003 JOYCE'S MR RESTAURANT ET
 Joyce's Angus, Seymour Currie.



Reserve Champion Bull Calf
SCJ18 0019 JOYCE'S MR RESERVOIR ET
 Joyce's Angus, Seymour Currie.

Junior and Grand Champion Bull
DE17 0002 DE PANNE LOCOMOTIVE
De Panne, Jannie Kotzé

DE PANNE LOCOMOTIVE was also awarded the
"Best Black Angus" on show.



Senior Champion Bull
DE15 0013 DE PANNE INTERNATIONAL NO.1
Owned by P.T. Coetzee and Taurus Evolution
Bred by De Panne, Jannie Kotzé



Reserve Junior and Grand Champion Bull
ACM17 0004 MILAGRO QUEBEC 1704
Milagro, Andrew Masterson Family Trust



Reserve Senior Champion Bull
WDW16 0015 LOCHEIM AMBUSCH
Lochein, Phillip de Waal.

Black Angus Show Results

- 1 Heifer 12-15 MONTHS
 - 1 **WINDMEUL** VB 180003
 - 2 **DE PANNE** DE 180016
 - 3 **WINDMEUL** VB 180007
 - 4 **DE PANNE** DE 180011
 - 5 **LOCHEIM** WDW 180012
- 2 Heifer 15-18 MONTHS
 - 1 **WINDMEUL** VB 180002
 - 2 **MILAGRO** ACM 180004
 - 3 **MILAGRO** ACM 180019
 - 4 **JOYCE'S** SCJ 180035
 - 5 **SPANSAAM** JHH 180002
- 3 Heifer 18-21 MONTHS
 - 1 **JOYCE'S** SCJ 180001
 - 2 **JOYCE'S** SCJ 180016
 - 3 **JOYCE'S** SCJ 180002

Champion Heifer calf in classes 1 - 3
 Junior Champion Heifer
WINDMEUL VB 180003
 Reserve Champion Heifer
WINDMEUL VB 180002
- 4 Heifer 21-24 MONTHS
 - 1 **DE PANNE** DE 170025
 - 2 **BLACKSMITH** BSA 170004
 - 3 **MILAGRO** ACM 170055

- 5 Heifer 2-2.5
 - 1 **ROECHAMA** RCM 170509
 - 2 **MILAGRO** ACM 170034
 - 3 **DE PANNE** DE 170004
 - 4 **LOCHEIM** WDW 170010
 - 5 **JOYCE'S** SCJ 170073
- 6 Cow 2-2.5 YEARS
 - 1 **JOYCE'S** SCJ 170007
- 7 Heifer 2.5-3 YEARS
 - 1 NO ENTRIES
- 8 Cow 2.5-3 YEARS
 - 1 NO ENTRIES

Junior Champion Female in classes 4 - 8
 Junior Champion Female
JOYCE'S SCJ 170007
 Reserve Junior Champion Female
DE PANNE DE 170025
- 9 Cow 3-4 YEARS
 - 1 **MILAGRO** ACM 160005
 - 2 **DE PANNE** DE 160019
 - 3 **DE PANNE** DE 160023
 - 4 **JOYCE'S** SCJ 160111
 - 5 **LOCHEIM** WDW 160028
- 10 Cow 4-5 YEARS
 - 1 **LOCHEIM** WDW 150030
 - 2 **LOCHEIM** WDW 150007
 - 3 **DE PANNE** DE 150012
 - 4 **SPANSAAM** HOL 150021

11 Cow 5+ YEARS

- 1 **BLACK MAMBA** BA 120004
- 2 **DE PANNE** DE 130230
- 3 **DE PANNE** DE 130310
- 4 **FREDERICKSBURG** FG 120165

12 Super Cow

- 1 **BLACK MAMBA** BA 120004
- Senior Champion Cow in classes 9 - 11**

Senior Champion Cow

BLACK MAMBA BA 120004

Reserve Senior Champion Cow

MILAGRO ACM 160005**Grand Champion Cow or Heifer**

Grand Champion Cow or Heifer

BLACK MAMBA BA 120004

Reserve Grand Champion Cow or Heifer

MILAGRO ACM 160005

13 Bull 12-15 MONTHS

- 1 **LOCHEIM** WDW 180018
- 2 **JOYCE'S** SCJ 180065
- 3 **FREDERICKSBURG** FG 180658
- 4 **DE PANNE** DE 180036
- 5 **DE PANNE** DE 180015

14 Bull 15-18 MONTHS

- 1 **DE PANNE** DE 180007
- 2 **FREDERICKSBURG** FG 180604
- 3 **FREDERICKSBURG** FG 180595
- 4 **DE PANNE** DE 180001

15 Bull 18-21 MONTHS

- 1 **JOYCE'S** SCJ 180003
 - 2 **JOYCE'S** SCJ 180019
- Champion Bull Calf in classes 13 - 15**
- Champion Bull Calf

JOYCE'S SCJ 180003

Reserve Champion Bull Calf

JOYCE'S SCJ 180019

16 Bull 21-24 MONTHS

- 1 **SPOOR** LVR 170060
- 2 **VREDENHEIM** VL 170022

17 Bull 2-2.5 YEARS

- 1 **DE PANNE** DE 170002
- 2 **DE PANNE** DE 170019
- 3 **DE PANNE** DE 170016
- 4 **FREDERICKSBURG** FG 170520
- 5 **MILAGRO** ACM 170014

18 Bull 2.5-3 YEARS

- 1 **MILAGRO** ACM 170004
- 2 **LOCHEIM** WDW 160029

Junior Champion Bull in classes 16 -18

Junior Champion Bull

DE PANNE DE 170002

Reserve Junior Champion Bull

MILAGRO ACM 170004

19 Bull 3-4 YEARS

- 1 **LOCHEIM** WDW 160015
- 2 **LOCHEIM** WDW 160007
- 3 **FREDERICKSBURG** FG 160492

20 Bull 5-6 YEARS

- 1 **INVERMOOI** DE 150013

21 Bull 5+ YEARS

- 1 NO ENTRIES

Senior Champion Bull in classes 19 -21

Senior Champion Bull

INVERMOOI DE 150013

Reserve Senior Champion Bull

LOCHEIM WDW 160007**Grand Champion Bull**

Grand Champion Bull

DE PANNE DE 170002

Reserve Grand Bull

MILAGRO ACM 170004

22 Phace C

- 1 **JOYCE'S** SCJ 180019
- 2 **FREDERICKSBURG** FG 180658

22 Phace D

- 1 **FREDERICKSBURG** FG 180604
- 2 **JOYCE'S** SCJ 180065
- 3 **FREDERICKSBURG** FG 180595

23 Group of 5

- 1 **DE PANNE**
- 2 **LOCHEIM**
- 3 **JOYCE'S**
- 4 **FREDERICKSBURG**

24 Sire Progeny

- 1 **JOYCE'S**
- 2 **LOCHEIM**
- 3 **DE PANNE**
- 4 **DE PANNE**

25 Group 3 bulls

- 1 **DE PANNE**
- 2 **LOCHEIM**
- 3 **JOYCE'S**
- 4 **FREDERICKSBURG**
- 5 **DE PANNE**

26 Group 3 heifers

- 1 **LOCHEIM**
- 2 **MILAGRO**
- 3 **JOYCE'S**
- 4 **DE PANNE**
- 5 **DE PANNE**

27 Dam Progeny

- 1 **MILAGRO**
- 2 **DE PANNE**
- 3 **JOYCE'S**
- 4 **FREDERICKSBURG**
- 5 **DE PANNE**

28 Male & Female

- 1 **MILAGRO**
- 2 **DE PANNE**
- 3 **LOCHEIM**
- 4 **DE PANNE**
- 5 **DE PANNE**

29 Cow & Calf

- 1 **MILAGRO**
- 2 **LOCHEIM**
- 3 **FREDERICKSBURG**



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veilings: **ANGUS ALLIANCE:** Bothaville, 19 Augustus 2020
MALHERBE & ROBERTS: Hertzogville, 30 September 2020

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WINDMEUL RED ANNY 1902



POWEREYE X KINGWHEEL

National Supreme Tiny Tot Heifer Calf Moorreesburg 2019
Tint Tot Red Heifer Calf Champion Cape Livestock Show 2019

WINDMEUL RED ANNY 1801



POWEREYE X KINGWHEEL

Tiny Tot Heifer Champion Moorreesburg 2018
Tiny Tot Heifer Champion Cape Livestock Show 2018
National Champion Red Heifer Calf Moorreesburg 2019
Interbreed Heifer Calf Champion Moorreesburg 2019

WINDMEUL ALET 1803



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Interbreed Heifer Calf Runner-up Moorreesburg 2019

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Grand Champion Red Angus Female, Cape livestock 2018
Runner up Senior Champion Cow Interbreed, Cape livestock 2018
Grand Champion Red Angus, Cape Livestock Show 2019
Interbreed Champion, Cape Livestock 2019
Supreme Beef animal, Cape Livestock 2019
Dam of Windmeul Red Anny 1801 and Windmeul Red Anny 1902



**WINDMEUL
ANGUS**

THEUNS BRUWER & PIERRE VELDHOEN

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Email: theuns@wvsires.co.za

2020 NATIONAL CHAMPIONSHIP AWARDS CEREMONY

Photos by Wayne Southwood

RED ANGUS

LOUMOTTA Trophy



Champion heifer calf RED
VB18 0001 WINDMEUL RED ANNY, Windmeul Angus
Photo: Theuns Bruwer and Dawn Wilson

THEO SMIT Trophy



Champion bull calf RED
GR18 0012 GROENPUNT, Andrè Markgraaff Boerdery.
Photo: Stoffel Wiese, Jaco Smit and Dawn Wilson

PIONIERS Trophy



Junior Champion Female RED
ACM16 0043 MILAGRO ELLE 1643, Andrew Masterson Family Trust
Photo: Andrew Masterson and Dawn Wilson

HOLVLEI Trophy



Junior Champion Bull RED
RCM17 0016 ROECHAMA LEONARD, RC Malherbe en Vennote
RC Malherbe and Dawn Wilson

GERT MALHERBE Trophy



Senior Champion Female RED
ACM12 0010 MILAGRO ELLE 1210E, Andrew Masterson Family Trust
Photo: Andrew Masterson, Gert Malherbe and Dawn Wilson

VJ Trophy



Senior Champion Bull RED
RCM15 0019 ROECHAMA ELEGANCE, RC Malherbe en Vennote
Photo: Gert Malherbe, RC Malherbe, Chris Purdon and Dawn Wilson

KYNOCH Trophy



Grand Champion Female RED
ACM12 0010 MILAGRO ELLE 1210E, Andrew Masterson Family Trust
Photo: Andrew Masterson and Dawn Wilson

RATHMINES Challenge Trophy ROSEWICK Trophy



**Most points RED Angus and
Grand Champion Bull RED**
RCM15 0019 ROECHAMA ELEGANCE, RC Malherbe en Vennote
Photo: RC Malherbe and Dawn Wilson

MEQUATLING Trophy



RED Sire progeny group
ROECHAMA, RC Malherbe en Vennote
Photo: RC Malherbe and Dawn Wilson

HIDE-A-WAY'S Trophy



Best RED Angus on show
ACM12 0010 MILAGRO ELLE1210E, Andrew Masterson Family Trust
Photo: Andrew Masterson, Piet Delpoit and Dawn Wilson

BLACK ANGUS

MILAGRO Trophy



Champion Heifer Calf BLACK
VB18 0003 WINDMEUL ALET, Windmeul Angus
Photo: Andrew Masterson, Theuns Bruwer and Lee Wilson

DUNEDIN Trophy



Champion Bull Calf BLACK
SCJ18 003 JOYCE'S MR RESTAURANT, Joyce's Angus
Photo: Kevin Miles, Willem Swart and Lee Wilson

DE PANNE Trophy



Junior Champion Female BLACK
SCJ17 0007 JOYCE'S MS 306 JEWEL, Joyce's Angus
Photo: Jannie Kotzè, Storm Currie and Lee Wilson

JOYCE'S Trophy



Junior Champion Bull BLACK
SCJ18 0003 JOYCE'S MR RESTAURANT ET, Joyce's Angus
Photo: Seymour Currie, Jannie Kotzè and Lee Wilson

PAUL KOTZÈ MEMORIAL Trophy



BA12 0004 BLACK MAMBA NELENE, Black Mamba Angus
Photo: Jannie Kotzè, Jaco Smit and Lee Wilson

DUNEDIN Trophy



DE15 0013 DE PANNE INTERNATIONAL NO 1,
Co-owned by P.T. Coetzee and Taurus Evolution
Bred by DE PANNE, Jannie Kotzè
Photo: Kevin Miles, Jaco Smit and Lee Wilson

JURIE GELDENHUYS Trophy



Grand Champion Female BLACK
BA12 0004 BLACK MAMBA NELENE, Black Mamba Angus
Photo: Jaco Smit and Lee Wilson

WILLEM BARNARD MEMORIAL Trophy



DE17 0002 DE PANNE LOCOMOTIVE, Jannie Kotzè
Photo: Jannie Kotzè and Lee Wilson

AE & CI Trophy



Most points – BLACK Angus
DE PANNE, Jannie Kotzè
Photo: Jannie Kotzè and Lee Wilson

ANDREW MASTERSON FAMILY TRUST Trophy



Most point combined – BLACK & RED Angus
JOYCE'S, Seymour Currie
Photo: Andrew Masterson, Strom Currie and Lee Wilson

GREIG CHALLENGE Trophy



Best animal on show – BLACK ANGUS
DE17 0002 DE PANNE LOCOMOTIVE,
Jannie Kotzè
Photo: Jannie Kotzè and Lee Wilson

FNB Trophy



BLACK Angus Sire Progeny group
JOYCE'S Angus
Photo: Lee Wilson and Willem Swart

KOBUS & LOUISE DELPORT Trophy



Best Novice Exhibitor
BLACKSMITH, Hanlo Smith
Photo: Hanlo Smith and Lee Wilson

BREEDER OF CHAMPIONS – RED ANGUS



RC MALHERBE EN VENNOTE
Photo: Lee Wilson and RC Malherbe

BREEDER OF CHAMPIONS – BLACK ANGUS



JOYCE'S ANGUS
Photo: Lee Wilson and Seymour Currie



A very special THANK YOU to our Ring Stuart, Wikus van der Merwe (ALTA Genetics)
Photo: Danie Dames, Linette van Niekerk and Wikus van der Merwe



The Canadian judges were very positive about the Angus breed in South Africa. TAURUS EVOLUTION was the sponsor of the judges.
Photo: Lee Wilson, Danie Dames, Linette van Niekerk and Dawn Wilson



BKB has been actively involved in the National Championship Show, throughout the whole week. Thank you BKB and all our sponsors for their support.
Photo: Danie Dames, Linette van Niekerk and Pierré Vlok (Master of Ceremonies – BKB)



Photo: Danie Dames, Linette van Niekerk and Appie Maritz (Auctioneer – BKB)

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Multitrait Selection

Dr Helena Theron

SA Stud Book Pretoria Office

Beef cattle breeders sometimes find it difficult to know which individuals would be 'best' to become the parents of the next generation. Selection involves the evaluation of potential parents on functional efficiency as well as many production traits, and some compromises among these traits are also needed. Selection in beef cattle on single traits is not advisable due to negative correlations between traits. For example, if cattle are selected only on weaning weight, chances are very good that cattle will become larger and birth weights

become heavier, which might lead to difficult births. The solution to this problem is multitrait selection – by selecting bulls that breed calves that wean heavy calves but which are not too heavy at birth. This is a simple example, but in practice, things could get much more complicated: heavy weaners are also dependant on cows with high milk production, etc.

One of the methods used to simplify selection and select for multiple traits at once is to use a selection value, which combines breeding values of

different traits into a single value. However, breeding values can not be simply added together: some traits are economically more important and heritabilities of traits differ. Each trait is therefore scientifically weighed. Selection values take the advantages and disadvantages of traits into consideration in a balanced way. In addition to selection on production traits by using selection values, animals should also be visually inspected for functional efficiency traits like structural soundness and disposition.



WINDMEUL ANGUS, Theuns Bruwer
Photo by Wikus van der Merwe

Breeding the perfect cow

What are the characteristics of a perfect cow? She is fertile, calves easily and regularly, weans a heavy, strong and healthy calf, while she has enough milk to sustain its growth. Her own body weight is in balance in relation to the weight of her calf, thereby ensuring a lower maintenance requirement and a more efficient animal. The Cow Value combines the weighted breeding values of these traits in a single value. However, in order to see the various strengths and weaknesses of an animal, the Cow Value (CV) is made up of the sub-values Calving Ease, Calf Growth, Milk, Female Fertility and Maintenance. Sub-values combine similar breeding values in a scientific manner to simplify the selection of animals. For example, the EBVs for Heifer Fertility, Cow Fertility and Longevity are combined to form the sub-value Fertility by taking the heritability and economic importance in consideration. By using the sub-values, it is also easier to identify specialist

bulls, for example a heifer bull (minimizing calving difficulty in first-calf heifers), maternal bulls (daughters will raise a profitable calf every year) or a terminal bull (sire heavy weaners). It is therefore essential to evaluate the sub-values for the Cow Value when selecting potential breeding bulls.

The Cow Value

The Cow Value places positive pressure on Weaning Weight and Milk, with a negative pressure on maintenance (a combination of Mature weight and Milk production, as milk production is also an energy drain on the cow). Added to the fertility traits is Longevity, which not only measures fertility, but the number of acceptable calves that a cow produces.

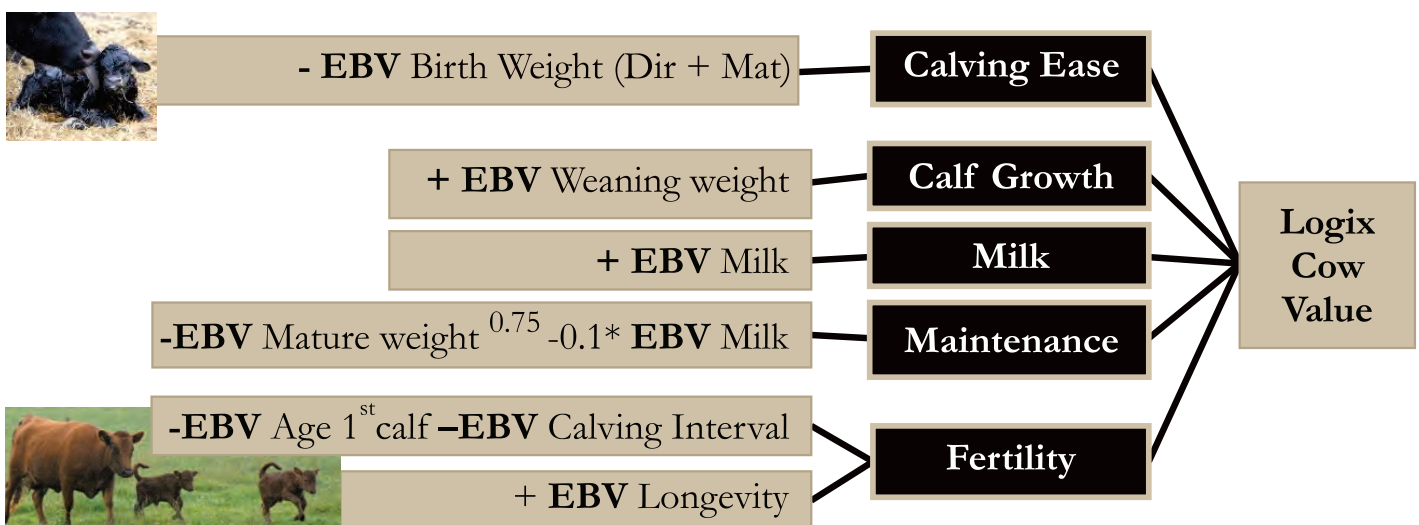


Figure 1: Schematic presentation of the breeding values included in the sub-values, which are then combined in the Cow Value. Whether positive or negative pressure are placed on the EBV are indicated by '+' and '-'. The actual weights are breed specific and needs to be determined for the Angus.

Figure 1 summarises the components of the Cow Value. The Cow Value and various sub-values are expressed in an index format, thus an animal with a sub-value of 110 for Fertility will genetically be above average compared to the

live animals in the breed. The 'ideal' animal will theoretically have the highest possible positive values for all sub-values. Sub-values are scaled to indicate that above 100 values are generally in the more desirable direction, for example a smaller calf at birth is more desirable and therefore has a higher calving ease value, and a smaller cow is more efficient and therefore also has a higher maintenance value. Both these traits however are optimal when average – so extremely high is also not beneficial, but this is counteracted in the cow value by the requirement of high calf growth.

Practical Example

Table 1: Selection values of 3 bulls with Cow Values of 120.

Bull	Calving ease	Calf growth	Milk	Maintenance	Fertility	Logix Cow Value
1	120	105	97	112	104	120
2	82	132	109	91	100	120
3	113	98	119	91	125	120

Fertility: All three bulls have acceptable Fertility Values of above 100.

Maintenance: Bull 1 has a maintenance value of 112, indicating a favourable maintenance, which usually means a smaller framed animal. Bulls 2 and 3 have values of 91, which mean they will breed larger framed cows, although still within the average bracket (between 90 and 110).

Calf Growth & Milk: Bull 2 will breed the heaviest weaners, followed by Bull 1 and then Bull 3. The Milk of Bulls 1 and 2 are in balance with their Calf Growth (Milk should be more or less equal or a little lower than Calf Growth), while Bull 3's milk is higher relative to Calf Growth.

Calving Ease: Bulls 1 and 3 will breed smaller calves that are more easily born. Bull 2 will breed heavy birth weights and should not be used on heifers. He can however be used on larger, older cows, if heavy weaners are desired.

Which bull is best?

As seen from previous discussions, traits can't be seen in isolation. Bull 1 will be easy calving, breed heavier weaners and smaller framed daughters. Milk is also in balance with Calf Growth. He will be a good choice. Bull 2 will generally breed larger cattle and are therefore suitable for good environments. Calves will be heavy at birth and weaning, and cows will be larger than average but still in balance (132 vs 91) with Calf Growth. Milk is in balance with Calf Growth. Bull 3 breeds average weaners from larger framed cows, which is out of balance. Milk is also too high for the Calf Growth. He will generally not be the better choice.

Conclusion

By using selection values, breeders can successfully select for multiple traits at the same time. It provides a systematic means for making selection decisions that are consistent with improved profitability. The weights placed on the different traits differ between breeds, and each breed has its own customized Cow Value, as there is not a "one size fits all" Cow Value that will fit all breeds. SA Stud Book therefore plans to estimate a customized Cow Value for the Angus breed in the near future, as requested by the Breed Society.



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RAISING BULLS

Ulrich Müller, Voermol Feeds

For many stud and commercial farmers, the raising of bulls forms a very important part of their operation, and for many this forms a significant part of their income. It is therefore important that the raising of bulls are planned properly, by looking at available resources. The initial weight and final goal weight with age, should also be considered. Management, health, breeding, etc. are very important areas that require special attention. The aim of such a programme is to produce two to three year old bulls

of top quality at an optimum cost. It is important that the raising is done to complement the bulls' genetic potential, in order to sell bulls of superior quality. As a rough guide, a bull should reach 50% of the mature body weight at around 15 months. The breeder needs to decide on the feeding system to be used. Feeding low energy diets might delay the onset of puberty. Feeding too much energy during this growing phase might have a negative effect of fertility.

A successful feeding programme for raising bulls should address the following:

- **Start timeously.**
- **Cost effective.**
- **Should not place bulls and/or owner under stress.**
- **Ensure that bulls develop properly.**
- **Ensure that the bulls display their full potential.**

In this article the focus will be on nutrition.

NUTRIENT REQUIREMENTS

Young weaner bulls require diets of higher quality and density than mature bulls. As bulls mature their nutrient requirements change to diets that are lower in nutrients and density.

A bull producer generally has a choice to raise bulls slowly at a moderate rate of gain or at a high rate of gain. Raising bulls on a moderate rate of gain of around 1kg gain per day can be achieved on good quality pastures with the correct supplementation. On good quality green pastures the first limiting nutrient is phosphorous (P) and should be supplemented with a good P- supplement. When a higher rate of gain is required, energy becomes the next limiting nutrient. This is mostly caused by the high moisture content of the grazing which limits dry matter intake as well as sufficient energy. Energy should be supplemented after meeting the P requirements. Energy can be supplemented with milled maize or hominy chop. It is however important that the supplementation of grain is



MILAGRO, Andrew Masterson Family Trust

not over done. The consumption of too much grain will have a negative effect on fibre digestion as the lower rumen pH changes the microbial population resulting in lower fibre digestion. As a guideline one should not supplement more than 2kg grain to a bull per day on green grazing.

The use of ionophores in such energy supplements will improve the utilization of energy by around 15% which reduces the demand for grain and also avoids the negative impact of supplementing with too much grain.

Raising bulls on a high weight gain normally involves grains and aims to achieve an average daily gain of around 1.5kg/day. Often producers feed at a much higher weight gain which has certain risks such as laminitis, hoof growth, rumen damage, etc. It is obvious that such a high grain system is risky and should be done carefully. Bulls should be adapted slowly, fed for a period of 100 to 150 days and

then the rate of feeding has to be slowed down to the start of the breeding season or the sale. Best results are achieved if these bull ration contains a minimum of 20% hay. Higher hay levels are often problematic as the feed separates and bulls have the ability to select the fine ingredients which could result in acidosis and other problems.

EXAMPLE OF FEEDING PROGRAMMES

OFF PASTURES

A typical feeding programme has three components:

1. Feed young bulls to grow out properly.
2. Feed mature bulls to a good condition at start of breeding season.
3. Prepare bulls for sale.

Young bulls

Green grazing	Provide enough green grazing of good quality and supplement with phosphorus (P) and energy (grain or hominy chop) at 0.5% of body weight
Dry grazing or hay	Provide enough good quality grazing and supplement with protein and energy (grain or hominy chop). Typical consumption of such a supplement is around 1.5kg/bull/day. Such a supplement will contain around 50% grain

Mature bulls

Green grazing	Provide enough green grazing of good quality and supplement with phosphorus (P).
Dry grazing or hay	Provide enough good quality grazing and supplement with protein.

VOERMOL PRODUCTS TO CONSIDER

PASTURES

- P-supplement** • Voermol Superfos @ 120 – 240 grams per day or Voermol Phosphate Block @ 100 – 200 grams per day
- P and energy supplement** • Voermol Molovite @ 1 – 1,2 kg per day on irrigated, top quality pastures.
• Voermol Supermol @ 1- 1,2 kg per day on green, good quality pastures or veld.

HEIFERS AND FIRST CALVES

The supplementing of Supermol to first calves @ 1, 2 kg per day will ensure that sufficient milk is supplied to the calf and greatly enhance the chance of re-conception which is a challenge in first calves. Replacement heifers can be supplemented according to the above program with great success.

HIGH ENERGY DIETS

The following are examples of mixtures to be considered. My first choice is the complete diet.

TYPE OF DIET	COMPLETE		CONCENTRATE PLUS ROUGHAGE	
Age of bull	Young and growing	Mature	Young and growing	Mature
	Kg	Kg	Kg	Kg
Voermol SB 100	150	150	200	200
Voermol Procon 33	50	-	50	-
Maize meal	550	600	750	800
Hay	150	200	*	*
Total	900	950	1 000	1 000

***Rule of thumb:** Provide hay separately and ad lib. Feed the concentrate mix at 2% of body weight for young and growing bulls and at 1% to 1.5% of body weight to mature bulls. Reduce quantities as soon as bulls have reached the ideal body condition.

OTHER

1. The use of ionophores in feed has no negative effect of fertility.
2. The above diets are well formulated and balanced for all minerals, trace minerals and other nutrients.
3. The feeding of additional supplements is not required.
4. Be careful not to over feed bulls.
5. Ensure that bulls get good exercise.



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ENSURING LONG-TERM SUSTAINABILITY OF THE LIVESTOCK SUPPLY CHAIN THROUGH DIGITISATION

Abstract

'Although it must be accepted that tough times lay ahead, the current situation present role-players in the livestock supply chain with the ideal opportunity to find innovative solutions that can ensure the sustainability of the total supply chain. Many of these solutions are, however, technology driven and disruptive in nature.'

Introduction

Over the past year the South African livestock industry was hit by the most perfect storm. The livestock industry was confronted with the outbreak of foot-and-mouth disease, which had a significant impact on wool exports and wool prices. In addition, the livestock industry experienced a significant decline in prices, and a systemic drought that continue to threaten the sustainability of many livestock producers, especially those in the Central and Western regions of the country. Although it must be accepted that tough times lay ahead, the current situation present role-players in the livestock supply chain with the ideal opportunity to find innovative solutions that can ensure the sustainability of the total supply chain. Many of these solutions are, however, technology driven and disruptive in nature. In many cases, it will also depart from traditional approaches to livestock production and marketing. The renewed focus on sustainability, however, also highlights the need for increased levels of transparency for the different contractual partners involved in the South African livestock supply chain.

The concept of sustainability

Successful efforts to ensure long-term sustainability will, amongst various other technical inputs, depend on a thorough understanding of the concept of sustainable agriculture and its intergenerational and long-term orientation. The frequent assumption that sustainability is merely an ecological concept, continues to marginalise the economic and social aspects of sustainable agricultural production. Protection of the natural environment, biodiversity, animal welfare, fair labour practices will indeed continue to influence future decisions in the livestock supply chain, but equally important are aspects such as quality standards, corporate and social responsibilities, human well-being, and economic viability. This implies that all role-players collectively acknowledge the livestock supply chain as an integrated economic, social, ecological, and productive system.



Dr Cobus Oberholster

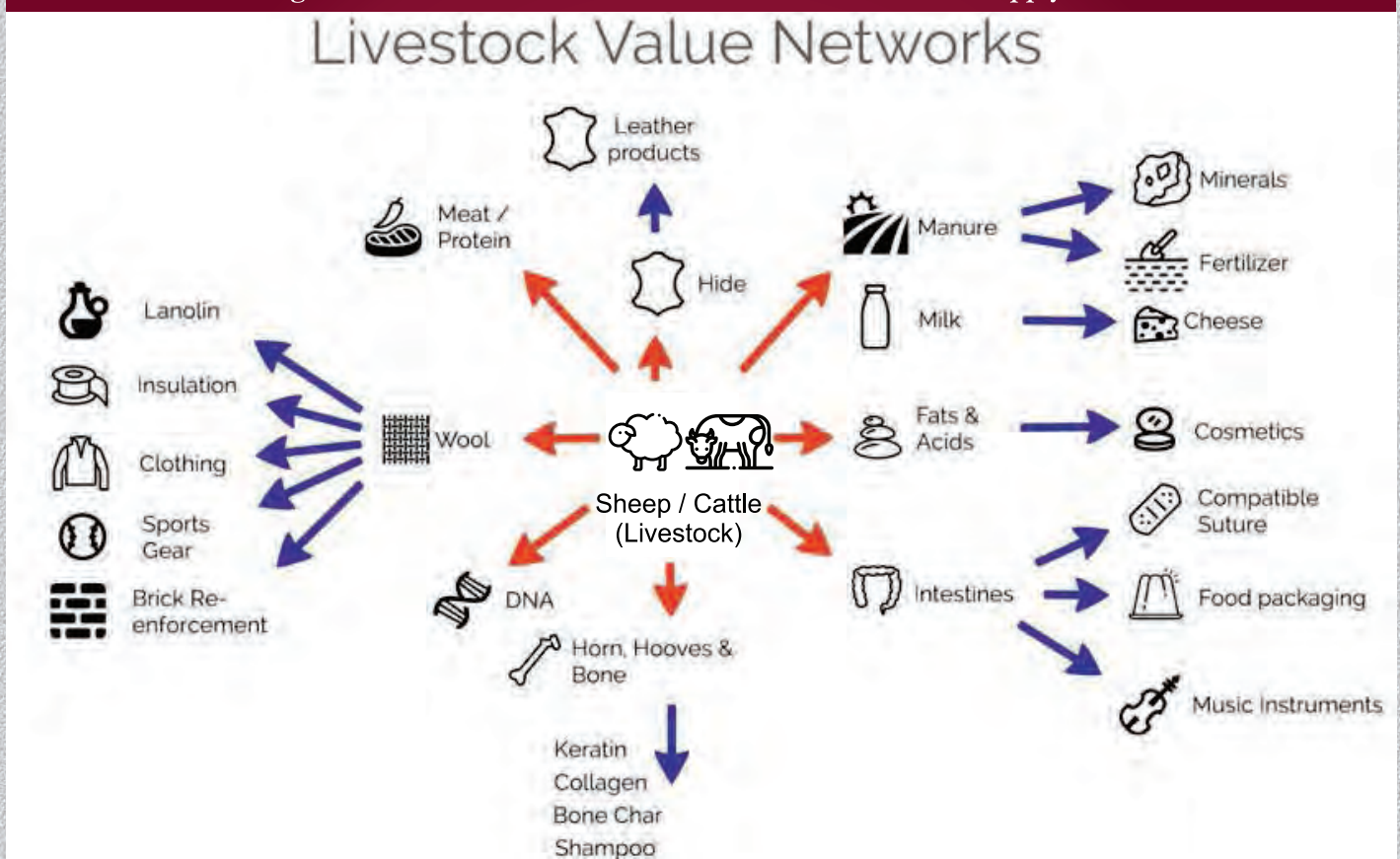
Market sustainability

The demand for meat and meat products are growing, with regional and global market integration that will become a key element of market sustainability in the South African livestock sector. However, within the context of global livestock production, the South African livestock industry is relatively small. Despite evidence of increased levels of intensification, sheep and cattle numbers are not expected to increase significantly in the medium to long-term. Global warming and the regular occurrence of droughts continue to put pressure on livestock numbers. On the other hand, the livestock supply chain consists of a significant number of role-players, which depend on increased market margins for survival.

Given these current realities, the livestock industry must therefore accept a gradual shift in focus to niche markets for increase market margins. However, niche markets do offer greater profit opportunities, but it also implies an increased focus on the consumer with matters such as quality, food safety, and traceability that are becoming increasingly important. Understanding the different value networks within the livestock supply chain (Figure 1) will also become equally important to unlock profit opportunities. In such a market environment, it can be expected that the following will become key success factors:

- **Market interventions need to be supported by scientific research, with a key focus on consumer sciences.**
- **A high level of information and communications technology (ICT) embeddedness, both inform and influence the consumer of meat and meat products at the point of purchasing. Success in this regard is already evident in South Africa, with the retail sector that applies the concept of 'precision retailing' very effectively.**

Figure 1: The different value networks within the livestock supply chain



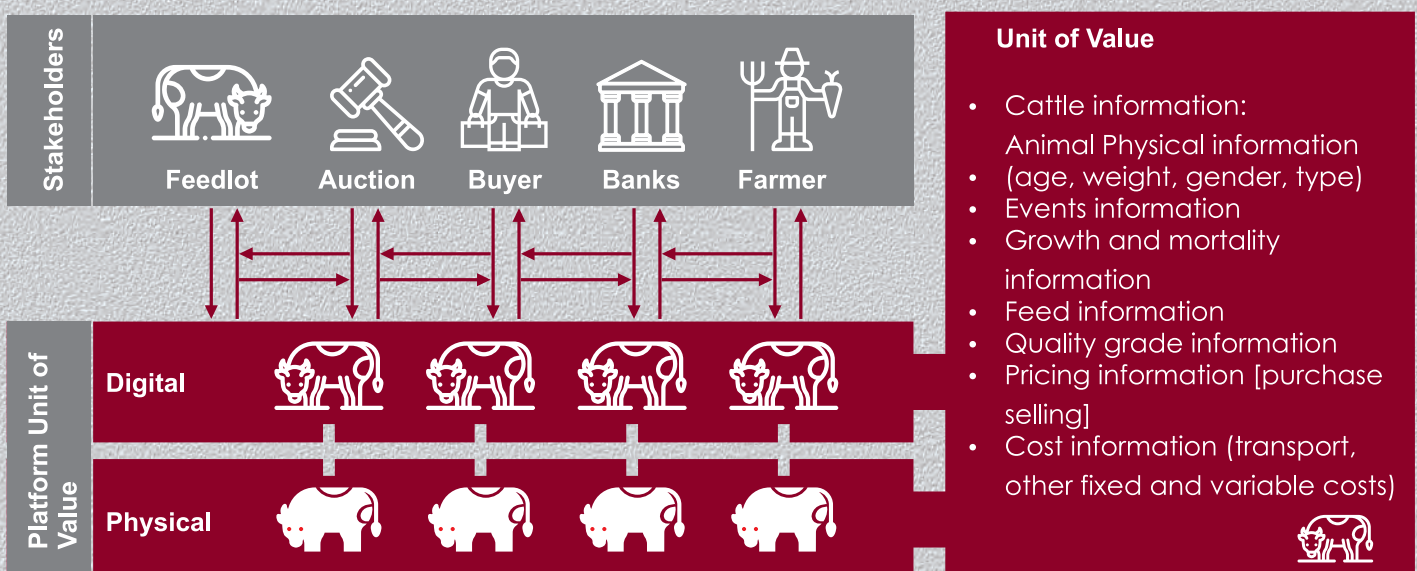
Process sustainability

The livestock supply chain, as with many other consumer driven chains, is increasingly becoming characterised by sophisticated forms of coordination, integration and rules of participation. It can therefore be expected that the

different contractual partners involved in the supply chain of livestock will continue to demand increased levels of information flows (Figure 2) and a corresponding higher level of transparency. The following examples give an indication of the nature of such demands:

- The feedlot will increasingly demand more information with regard to the treatment (including veterinary aspects) and growth potential of animals delivered to them.
- The livestock breeder will increasingly demand more reliable information regarding weight losses during transport, slaughtered percentages, actual performance of animals in the feedlot, as well as consumer preferences.
- The consumer will increasingly demand information, which confirm the origin, quality, wholesomeness, and safety of meat and meat products.

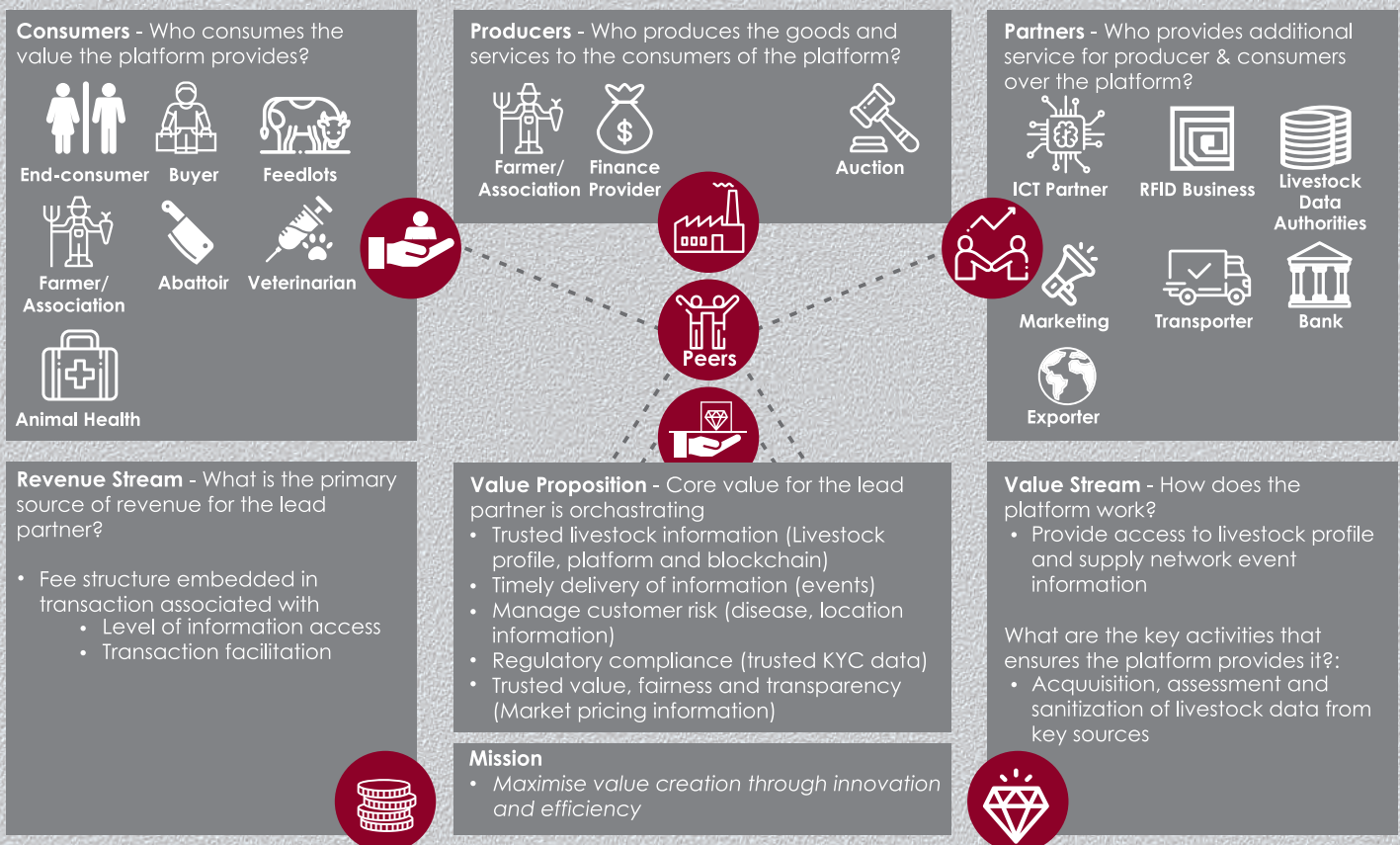
Figure 2: Information flows of the future



Meeting these demands will require a collective effort which focusses on the optimisation of the total livestock supply chain, and by doing so addresses the current 'trust deficit' which threatens the chain's sustainability. It will however require a key focus on process and systems innovations, which inevitably will result in new workflows,

new logistical processes, and the automation of these processes. It can therefore be expected that digital platforms (Figure 3), initiated by lead partners in the livestock supply chain and which caters for the needs of all the different actors, will start to dominate in the near future.

Figure 3: Key elements of a typical lead partner platform in the livestock supply chain



Digitisation of the livestock supply chain

Given the number of role-players involved in the livestock supply chain, a key question that needs to be answered is: How can the industry simultaneously and effectively address all these requirements for increased sustainability? Without being naïve, the only real solution is digitisation. However, and within the context of future demands, it implies digitisation of the total livestock supply chain. All key processes in the chain, from the birth of an animal up to the consumer, need to be re-evaluated and digitally transformed. However, role-players need to be mindful of

fragmented efforts which focus on certain quick wins, without considering its impact on the total livestock supply chain. An example in this regard is on-line platforms, which are indeed part of the digital solution but not the total solution in itself.

In order to digitise the total livestock supply chain various disruptive technologies are required, which amongst various others include the intelligent identification of animals (e.g. RFID), block chains, and application software

(Apps). Equally important, these technologies need to be supported by effective and easy manageable systems with regard to aspects such as traceability, protocols, and audits. As it will require significant investment, due care needs to be taken to effectively involve multiple stakeholders across the private and public sectors to innovate the livestock supply chain in South Africa. It will also require from governments to involve actors across the whole supply chain to drive policy innovations, and to build institutional capacity in support of these developments.

Financing opportunities through digitisation

Increased levels of transparency, and the real-time availability of information regarding animals moving through the supply chain, also present the banking sector with opportunities to increase the flow of financing to livestock producers. Increased levels of financing will also improve the competitiveness of the entire livestock supply chain, which ultimately is a key contributing factor towards long-term sustainability.

The key facilitating factor in this regard is that digital technologies have the potential to support financial institutions to be more innovative in managing costs and credit risk. Ultimately, it will enable them to reduce costs and develop more sophisticated risk management systems that evaluate the particular characteristics of the livestock supply chain. The livestock supply chain in South Africa is also privileged to have lead partners in the chain who are in the process of making significant investments in the development of digital technologies, which is expected to change the perceived riskiness of livestock financing. These lead partners, who are in many cases large secondary agribusinesses, are also expected to increasingly partner with the banking sector as non-financial intermediaries. Therefore, and as a result of digitisation, these secondary agribusinesses are expected to assume an increased role in agricultural financing, which has significant implications for the livestock industry in South Africa. This development will not only contribute to the long-term sustainability of the whole livestock supply chain, but also provide the opportunity to boost rural economies and the successful integration of development farmers into the modern wool and meat value chains.

Conclusion

Role-players within the livestock supply chain currently find themselves in the middle of the greatest information and communications technology (ICT) revolution in human history, with dramatic developments in digital, nano, and neuro technologies. These developments resulted in a business environment where change has become the norm. In future, many of these changes will come from new digital technologies, which will alter the way role-players in the livestock supply chain (including livestock producers) do things. Key processes within the supply chain will be disrupted and changed to ensure its long-term sustainability. While this has a significant cost implication, digitisation also offers several benefits. Many of these benefits stem from the ability of digital technologies to address the current 'trust deficit' in the supply chain, which will become a key requirement for the long-term sustainability of all role-players. Other benefits include market sustainability and the ability of the livestock industry to attract increased levels of financing.

Dr Cobus Oberholster

General Manager: Livestock, Properties & Auctioneering (BKB)

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ANNUAL GENERAL MEETING 2019 AND PRIZE GIVING DINNER

The 102nd AGM was held on Friday, 4 October 2019 at a majestically BONA BONA Game Lodge in the province of North West.

BONA BONA Game Lodge is situated on the N2, near Wolmaransstad on the way to Klerksdorp.

We wish to thank the Ernst Family for their hospitality and assistance with the AGM and prize giving dinner.

We were treated with a game drive on the eve of the AGM, with our friend and Angus breeder Mr. Seymour Currie celebrating his youthful birthday!

The general meeting was considered a success. A good number of Angus members were present, especially from the surrounding area.

The Angus Council for the term 2019 – 2020 was also elected.

Mr. RC Malherbe will be serving a second term as Chairman of the Angus Society, with Mr. Basie Bezuidenhout as Vice-Chairman and representative of the Western and Southern Cape.

Long serving Council member, Mr. Kevin Culverwell, announced his retirement from the Council and from stud breeding. He was awarded special honorary membership for his services to the Society. His expertise, leadership and support to the Angus Society, office and staff will be missed.

Mr. Graham Evans, representing KZN, was elected to serve on the Council for the first time and Mr. Piet Delpont will be representing North West and the Northern Cape. Mr. Kevin Miles was re-elected as representative of the Eastern Cape and Mr. Jannie Kotzé as additional Council member.

The sponsors of the AGM and the prize giving dinner were, Woolworths, King Price Insurance and BONA BONA Game Lodge. BONA BONA Angus Stud was the wine sponsor of the evening, sponsoring Creation Wines.

A special word of thanks to our auctioneer and master of ceremonies, Mr. Allan Sinclair from Vleissentraal.

As per tradition, the Pat Mossop Gold and

Silver TKP awards were handed out during the prize giving dinner.

A first time “Friend of the SA Angus Society” was awarded to Mr. Wikus van der Merwe (ALTA Genetics) for his part in both the 2017 and 2019 Angus National Championship Shows and goodwill towards the Society in general.

Mr. Theuns Bruwer from Windmeul Angus was awarded the NJ Kruger for the best young breeder.

The Hennie Langenhoven Trophy went to the Western and Southern Cape Angus Club, for the Club of the year 2019.

The SA Angus Society Trophy for Commercial Producer of 2019 was awarded to Mariaan de Preez from the Free State.

Mr. Andrew Masterson was awarded the Ben Oosthuizen Trophy for personality of the year. Mr. Masterson's term as ex-officio came to an end with the 2019 AGM. A big thank you to Andrew for his leadership and hard work, serving the Angus Society and breed.



PAT MOSSOP AWARDS, GOLD

André Breytenbach
(CATTLEMAN)

Johan Kahts
(WENSPAN)

Henru Campher
(LOUMOTTA)

Marthie Looch
(MC LOOCH)

Dr Japie van der Westhuizen
(SA STAMBOEK)

David Preece
(PREESTAR)

JM Steyn
(VANSIA)



PAT MOSSOP AWARDS, SILVER

Dr Japie
van der Westhuizen

Seymour Currie
(JOYCE'S)

Anton Pelser Jnr
(ASTRO)

Sanet du Preez
(LAEL)



Mr. Kevin Culverwell retired as long serving Council member.
He was awarded special honorary membership for his services.
Photo: RC Malherbe and Kevin Culverwell



Mr. Wikus van der Merwe received a
"Friend of the SA Angus Society" award.
Photo: RC Malherbe and Wikus van der Merwe



The SA Angus Society Trophy for Commercial Producer 2019 was awarded to Mariaan du Preez.
Photo: RC Malherbe and Mariaan du Preez



Mr Andrew Masterson was awarded the Ben Oosthuizen Trophy for Personality of the Year 2019.
Photo: RC Malherbe and Andrew Masterson.



The Western and Southern Cape Angus Club won the title "Club of the Year 2019" and received the Hennie Langenhoven Trophy.
Photo: Storm Currie, RC Malherbe, Jannie Kotzè, Seymour Currie, Marthie Looch and Basie Bezuidenhout.



Theuns Bruwer from Windmeul Angus was awarded the NJ Kruger Memorial Trophy for Best Young Breeder 2019.
Photo: Debbie and Theuns Bruwer.



Creation Wine added a bit of flavour to the evening, with great tasting wine from the Hemel-en-Aarde Valley.

Photo:
Warren Wolmarans
(Creation Wines)

Elna and Allan Sinclair
(Allan was the auctioneer and master of ceremonies – Vleissentraal).

Our beautiful guests and Andrew Masterson...

Photo:
Anè Liebenberg,

Andrew and Colette Masterson

Lesle Malherbe.



BONA BONA Game Lodge is worth a visit any day of the year!

Photo: Dumisani(game ranger) MJ & Rulè Ernst.



It is always great fun to meet our members face to face for the first time.

Photo: Elsa and Marthie Looch, all the way from the Langkloof.



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ALFA 2019

Uittreksel uit Veeplaas (Plaasmedia) | November 2019



ALFA 2019 was voorwaar 'n skouspel soos min. Die Afridome in Parys was van 17 tot 19 September 2019 'n bynes van veegeleenthede, waar liefhebbers en produsente van groot- en kleinvee hulle kon verlustig in die talle rasse wat daar uitgestal is. 'n Totaal van 5 813 besoekers het die staljetjies besoek, diere besigtig en toegekyk hoe die room van die land se vee beoordeel is.

Altesaam 134 telers het hul diere na ALFA gebring. Dit het gesorg vir die teenwoordigheid van 311 vleisbeeste, wat 30 rasse verteenwoordig het, 29 melkbeeste van drie rasse, en 221 kleinvee van 26 verskillende rasse. Hierbenewens kon

belangstellendes hulle ook verkyk aan varke, honde, perde, konyne, hoenders en selfs sierduiwe.

ALFA se program bestaan egter nie net uit uitstallings nie. 'n Volgepakte program van demonstrasies, werksinkels, konferensies en kompetisies het ook vir heelwat opwinding gesorg.

Hinterland Nasionale Interrasvleisbeeskampioenskap

Die Hinterland Nasionale Interrasvleisbeeskampioenskap is 'n absolute hoogtepunt op die ALFA-program en het op 19 September 2019 plaasgevind. Die waardige bulkampioen is Kanonkop, 'n Santa Gertrudis-bul van Riaan Lubbe se Red Barrel-stoet. Die koeiwenner is Serenade, 'n rooi Anguskoei van Piet en Hendrik Delpoort se Hide-A-Way's-stoet.

'n Nuwe tuiste vir ALFA 2020

ALFA is vanjaar afgesluit met 'n baie belangrike aankondiging rondom die toekoms van die ekspos. Graan SA en ALFA het besluit om hande te vat en sal in September 2020 die heel eerste NAMPO ALFA Lewendehawe-, Jag- en Buitelewe-ekspos by Nampopark buite Bothaville aanbied.

Die koeiwenner in die Hinterland Nasionale Interrasvleisbeeskampioenskap is Serenade, 'n rooi Anguskoei van Piet en Hendrik Delpoort se Hide-A-Way's-stoet.



Van links: **Godfrey Modejagalo** (Hanteerder) **Hendrik Delpoort** (Mede-eienaar)
Phillip Lee (Bestuurder van Hinterland Dierreproduksie) **Daan Bronkhorst** (Uitvoerende direkteur van Hinterland).

HIDE-A-WAY'S

a n g u s

Our Credo

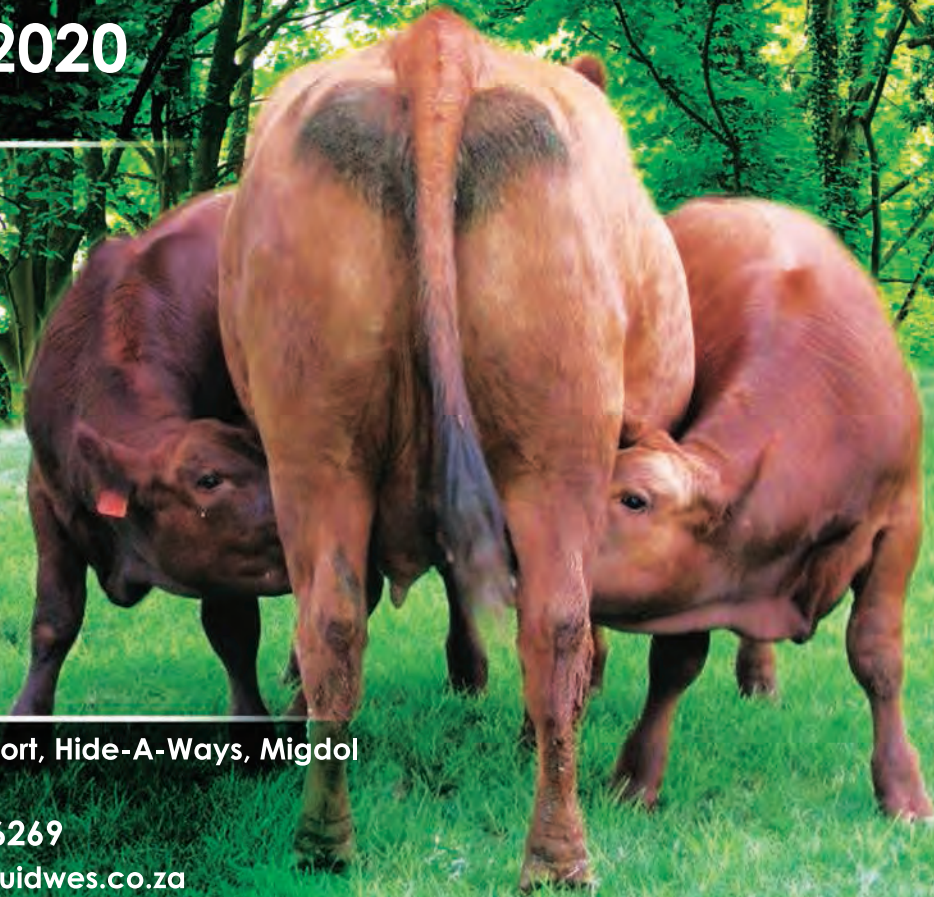
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E-pos: pietdelport@suidwes.co.za

BKB CATTLE

LIVESTOCK EXPO 2019

The first **BKB Cattle Livestock Expo** was held at the **Afri-dome** in Parys from **2 to 6 September 2019**, with **Mr. Louren Campher** as the judge.

Exhibitors from Gauteng and North West participated in the expo.



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VEREENIGING



SENIOR & GRAND CHAMPION RED BULL
MAKOJALO LOCO MOTIVE. MR J.P. DELPORT
POTCHEFSTROOM



SENIOR CHAMPION & GRAND CHAMPION RED FEMALE
MAKOJALO HEAVENLY GIRL. MR J.P. DELPORT
POTCHEFSTROOM



JUNIOR CHAMPION FEMALE & GRAND CHAMPION BLACK FEMALE
MARRIGOLD NANCY. MR RUSSELL MARRIOTT
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Trotse vennoot van Transgariep Angus & Afrigus Veiling
Trompsburg, 9 Julie 2020

Veldprestasie getoets sedert 1989. Suid-Afrikaanse genitika

UNDERSTANDING THE MEANING OF **GENOMIC SELECTION** AND WHERE **BLUP** FITS IN

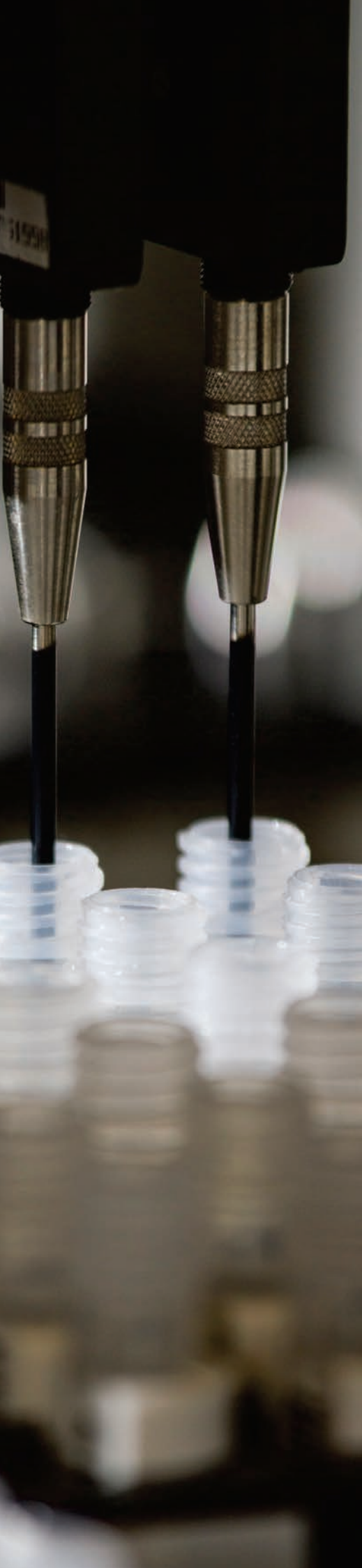
SA Stud Book and Animal Improvement Association
JAPIE VAN DER WESTHUIZEN

The goal is to predict the genetic merit of each potential breeding animal as accurate as possible

The quest of each animal breeder is to reach his own breeding goals as efficiently as possible. Breeding goals are usually formulated based on the traits and properties that will ensure long term profitability. Traits can usually be classified formally or loosely into one or more of the following groups: Fitness traits (reproduction, survival, resistance to adversity), Growth (weights or gains to certain age intervals and efficiency of growth rate), Maternal ability (maternal breeding values for birth and weaning weights, weaning weight relative to cow maintenance), Type (maturity type expressed in different ways, several body measurements and linear scores), Functionality (physical description or score, prevalence of absence of specific properties) or other desirable properties (like coat colour, pigmentation and others).

In this quest to reach the ultimate breeding goals, it is important to strive for an accurate assessment of each potential breeding animal's ability to produce offspring that will perform as close as possible to these goals. This genetic merit can also be described as the breeding value of each animal (the value of an animal as a parent for the traits of importance). There are obviously different ways to increase the accuracy of prediction. Initially the prediction of genetic merit was based on visual observation. As an example, it could be stated that “the biggest calves were more likely to breed the biggest or heaviest progeny”. This was later refined by simply weighing the calves and picking the heaviest ones as parents. By applying these objective assessments, the





expression of breeding values was obviously more descriptive (pounds or kilograms). A further refinement followed when animals are assessed within the same treatment groups and also by taking some non-genetic factors such as age at measurement, sex and age (and parity) of dam into account. Such group is commonly referred to as contemporary groups. Basically each animal was rated with its contemporaries and these differences were expressed as a, so called, index (or 'ratio'). There are, however, some important limitations when using these "indices" as breeding value predictors. There is no real guarantee that superiority within a specific contemporary group would equal a similar feat in another. Practically expressed, if a young bull born in the spring of 2018 outperforms his peers on my farm in the 2019 weaning season, there is no real certainty that he could have done the same in a different herd or competing against a different peer group. Other obvious questions could be linked to his mother's ability to look after him. Was his superior weaning weight the result of his merit for growth or because of the extremely good mothering ability of his dam? Similarly, if one averages the progeny performance of a bull, he might be deemed superior simply because he was mated to the top cows (preferential mating) and not due to his own genetic merit.

All these shortcomings have led to the development of more sophisticated methodologies to predict the genetic merit of farm animals.

BLUP breeding values, the breakthrough in prediction accuracy

BLUP breeding values (usually called EBVs or by other names such as EPDs or ETAs) answer all the questions related to mass (population) selection. The principle is to select individuals in a population to change the mean production levels of the population

they are selected from. BLUP breeding values maximise the correlation between the predicted genetic merit values and the 'true' genetic merit.

These predictions rely on a few very important principles, namely:

Related animals share the parts of the same genetic code

It is well known that related animals share identical parts of the genetic code responsible for differences in genetic merit (and therefore differences in the expression or performance for different traits or properties). For example, a herd sire will share 50% chromosomal genetic material with each of his offspring. If this sire was widely used over herds and produced progeny born in different years, he serves as a 'link' between different contemporary (peer) groups as half of his genetic code (the 50%) will be represented by each of his progeny in each group. If this fact is furthermore taken to the extreme, just about all animals in a breed could be somehow related, therefore sharing pieces of genetic code in the whole population.

Only part of the performance superiority can be transferred to progeny

All recording (measurement) differences among animals (even in the same peer group) are the result of two very important influences. The first influence relate to differences among animals due to their differences in genetic merit (the genes and gene interactions on their chromosomes). The second very important influence is the effect of differing environmental influences. A simple example would be to name the known non-genetic influences, from the calf's perspective, on weaning weight in beef cattle. These influences include some of the following: Recording age (older calves are usually heavier), sex (males are usually heavier), age and parity of the dam (mature cows have more milk and are better mothers), season and year of birth, specific farm or location and any

treatment different to the rest of the peer group animals.

Taking all this into account, as well as the possibility of a random genetic 'superiority' caused by breeding or mating practices associated with heterosis (as a result of cross breeding) or inbreeding depression, the rest of the differences in performance will mainly be the genetic superiority that can be transferred to the progeny (additive genetic value). To be able to know these values the heritability estimates for each trait when breeding values are predicted should be known and considered.

Traits are 'linked' through common parts of the genetic code

One could say: 'no trait is an island'. In essence all traits we record in farm animals are correlated in one way or the other. This means that selection in a population for one trait will generally affect the genetic merit for other traits. Modern BLUP breeding value prediction models consider such genetic correlations. This has a huge advantage in breeding value prediction accuracy, especially in the following cases: sequential culling (where some animals are culled at different ages), sex limited traits (like scrotum circumference, female reproduction, maternal ability, milk, etc.) where animals could not be measured yet for some traits (still too young) or where the trait of importance is too difficult or expensive to measure for all animals (like feed intake, marbling, eye muscle, etc.).

All these factors make BLUP breeding values extremely precise and accurate in predicting genetic merit. A multitude of examples exist to show the efficiency in genetic change through selection where this methodology has been used in all farm animal species and production systems.

The question could therefore rightfully be asked: "Why then the

introduction of Genomic Information in farm animal selection?"

Genomic Selection: A step-up in enhancing the accuracy of breeding value prediction.

BLUP breeding value predictions rely on the concept of 'family selection', as relatedness among animals are based on average values, and differences in performance among animals in the same contemporary group. Two collateral half sibs (for example half brothers with the same sire but born from different, unrelated mothers) are assumed to share 25% common genes (DNA). This is of course true as a common statement if it reflects the average relationship over the whole population of all half sibs. There is, however one very important fact that needs extra consideration, namely that that pieces of DNA separate relatively independent and randomly in the formation of sperm and egg cells. Some half sibs, in our example, can have a relationship of more than 25% while others are less related.

By using the additional information hidden in the genetic code in each and every animal, the 'true' relationship among all animals can be established using genomic information.

The next obvious question could be: "What could be gained by knowing more about the specific relationships among animals in a population?" This question brings one at the real crux of Genomic Selection, namely the establishment of a so called "reference Population". Such a population consist of animals (in a breed) where the knowledge of their genetic merit is well known. In practical terms, old animals with many recorded progeny (with high BLUP breeding value prediction accuracy) form the core of such a reference. In essence the genomic values are correlated with the breeding values for animals in the reference population. Methodology has been developed

where some parts of the base pairs on the chromosomes serve as 'snap shots' of the whole genome of each animal. Current 'SNP (Single Nucleotide Polymorphism) Chips' commonly used range between 50 000 and 777 000 base pairs as predictors of the approximately 3 500 000 000 base pairs on the chromosomes of most farm animals. Once these correlations are established, it can be used to enhance the prediction accuracy of BLUP breeding values for young animals. Where BLUP breeding values basically used family information, genomically enhanced BLUP breeding values add a new dimension, namely the specific separation of genes within families of animals in the population. Obviously this is even possible with BLUP alone, once breeding animals have many measured progeny. Genomic Selection, however assist in making this information available at a younger age.

Genomically enhanced breeding value predictions, commonly known as GEBVs therefore kicks off with a higher prediction accuracy, compared to BLUP alone. Knowledge of the genome information of a sire with very accurate EBV values will however be of very little use for any breeder as his progeny has already contributed to knowing his value as a parent.

The biggest benefit

The biggest benefit in using Genomic Selection is obvious. It works best in combination with BLUP breeding values and enhances the accuracy of prediction in specific cases. The biggest advantages for rapid genetic progress currently happens in the dairy industry. Previously many years passed before BLUP breeding values for potential sires could be known as milk production, its components and daughter fertility could only be recorded on the female offspring of these bulls. This has lengthened the generation interval and makes the process extremely expensive. The

combination of genomic information and BLUP breeding values has turned this inside out as the prediction accuracy of young potential AI sires equals that of an older sire with ten measured daughters.

Many new opportunities exist. Selection for traits where recording is limited to one of the two sexes, such as milk, daughter fertility, mastitis resistance, mothering ability (eg. Beef cattle or sheep), litter size and semen quality are some obvious examples. Other traits where genomic information is of great benefit include those only measurable on dead animals (carcase and meat properties), are expensive and difficult to measure (like feed intake, ovulation rate, disease resistance, parasite resistance, etc.) and can only be measured late in the animal's lifetime (like longevity, lifetime production and productive her life).

Perspective

Although the use of genomic information in the breeding of farm animals have taken the world by storm it is important to keep perspective. Genomic information does not negate the need for recording of the traits and properties included in selection programs. The need for recording is as important as always as known relationships between genomic information and true breeding values change over time and is usually population (within breed and even within country) specific.

A very important issue is also to keep to well defined and logical breeding objectives when using predicted breeding values (genomically enhanced or not). In some cases, bigger or heavier might not always better. The setting up and carrying out of these objectives is a science of its own, and involves knowledge of the genetic correlation among traits, their relative economic contributions and the environmental constraints (physical or due to the limitations of the production system).



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Angusbeeste word op elke kontinent in die wêreld geteel. Die groot hoeveelheid Angusdiere bied 'n ontsaglike poel beskikbare gene wat die ras in staat stel om te reageer op nuwe uitdagings en kommersiële eise.

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Bar A	Angus	082 564 5481	X	X
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	Luke (Manager)	071 756 3833		
Glenury	Shaun	082 210 0180	X	
Invermooi	Paul (Owner)	082 771 2131	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
Tashinga	Douglas	082 413 9801	X	X
Waterfall	Mike	031 716 3500	X	X
New leaf	Paul	082 566 1924		X
Foleshill	David	083 277 7933	X	X
White Oaks Stud	Russel	082 740 4419		
	Graham	082 900 5288		

NON ACTIVE

Lynn Marwick	033 212 2728
Gavin Hall	082 883 2632
John Bronner	033 234 4327
Jeremy Barlow	082 453 1993
Brian Denny	083 303 9107
Kevin Culverwell	082 552 1722

CHAIRMAN:

Friedel Keyser – 082 774 9901

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DIT EN DAT VANUIT DIE **VRYSTAAT** ANGUS KLUB

2019 deur Rudi Claassen

Bloemskou 2019

Die jaar van die 2019 Nasionale Kampioenskapskou, het vroeg in die Vrystaat begin. Die eerste proefloop vir die beeste het reeds op 1 Maart 2019 begin met die Hertzogvilleskou. Die skou is deur 7 telers ondersteun en die diere was mooi en gesond. Die proefloop was baie suksesvol. Die senior en groot Kampioenbul RCM150009 Roechama Elegance by die geleentheid het gevorder om by die Nasionale Kampioenskapskou, dieselfde titel te kon wen. Hide-A-Way's Senerade was hier die senior en groot kampioenkoei en het die Goue Beker gewen. Die beoordelaar was **Louren Campher**.

Die Hertzogvilleskou word ook algemeen gesien as voorbereiding vir die Bloemskou. Vir volgende jaar, 2021 word 'n nog groter skou op Hertzogville beplan, aangesien die nasionale kampioenskapskou tydens Bloemskou aangebied sal word in 2021.

Soms word die kleiner skoue geminag, maar dit is hier waar die kampioene gebore word.

Die Vrystaat Angus Klub het in 2019 die Bloemskou aangebied. Die skou het 10 telers en 65 diere van regoor die land getrek. Die kompetisie was sterk en sommige klasse het 10 of meer diere geskou.

Resultate: **Vroulik**

Kampioen verskalf - Rooi

Roechama RCM17 0156 (RC Malherbe & Vennote)

Kampioen verskalf – Swart

Joyces Ms Jewel 816 ET SCJ18 0016 (Joyces Dairy Farms Pty. Ltd)

Junior Kampioen Vroulik – Rooi

Roechama RCM16 0053 (RC Malherbe & Vennote)

Junior Kampioen Vroulik – Swart

Roechama RCM17 0509 (RC Malherbe & Vennote)

Senior Kampioenkoei – Rooi

Hide-A-Way's Serenade PHD15 0028 (P.F. & H.L. Delport)

Hide-A-Way's Society Girl PHD12 0040 (P.F. & H.L. Delport) – reserwe seniorkampioenkoei

Senior Kampioenkoei – Swart

Roelou Cally RL12 0096 (WAF Trust)

Groot Kampioen Vroulik – Rooi

Hide-A-Way's Serenade PHD15 0028 (P.F. & H.L. Delport)

Reserwe Groot Kampioen Vroulik – Rooi

Hide-A-Way's Society Girl PHD12 0040 (P.F. & H.L. Delport)

Groot Kampioen Vroulik – Swart

Roelou Cally RL12 0096 (WAF Trust)

Reserwe Groot Kampioen Vroulik – Swart

Joyces Ms Jewel 816 ET SCJ18 0016 (Joyces Dairy Farms Pty. Ltd)

Bloemskou 2019

Resultate: **Manlik**



Kampioenbulkalf – Rooi

Benedetto RFC18 0053 (Foto bo)(Benedetto Stoet, Rudi Claassen)

Kampioenbulkalf – Swart

Joyces Mr Restaurant ET SCJ18 0003 (Joyces Dairy Farms Pty. Ltd)

Junior Kampioenbul – Rooi

Makojalo Loco Motive KD16 1539 (J.P. Delport)

Junior Kampioenbul – Swart

Marrigold T-Rock MSG16 0002 (R.B. Marriott)

Senior Kampioenbul – Rooi

Rochama Honey Badger RCM15 0409 (RC Malherbe & Vennote)

Groot Kampioenbul – Rooi

Rochama Honey Badger RCM15 0409 (RC Malherbe & Vennote)



Reserwe Groot Kampioenbul – Rooi

Waterval New Zaid WAF15 0409 (WAF Trust) – Reserwe groot kampioenbul

Groot Kampioenbul – Swart

Joyces Mr Restaurant ET SCJ18 0003 (Joyces Dairy Farms Pty. Ltd)

Reserwe Groot Kampioenbul - Swart

Joyces Mr Research ET SCJ18 00013 (Joyces Dairy Farms Pty. Ltd) – reserwe kampioenbulkalf swart

Fase C:

Joyces Mr Reservoir ET SCJ18 0019 (Joyces Dairy Farms Pty. Ltd)

Fase D:

ZEC Match ZEC17 0010 (Z.E. Coetzee)

Die beoordelaar hier was **Andrew Masterson**.

WAF Trust se bul Waterval New Zaid (Foto bo) is ook by the Royalskou as Senior en Groot Kampioen aangewys.

Daar word heelwat aktiwiteite vir 2020 en 2021 beplan en die Vrystaat Angus Klub hoop om mede-telers en kommersiële-producente by al die bedrywighede te sien!

Angus Beef



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- Tenderness
- Taste
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MARBLING

By PE Strydom

Program Manager | Meat Science | Animal Production Institute | ARC, Irene
Email: pstrydom@arc.agric.za

The role of marbling in the eating experience of beef and other red meats is well established. However, I get the impression that claims about the benefits of marbling are often quoted without sufficient scientific backup and this may confuse the consumer and in the end work against the efforts to promote marbling as a quality trait in beef and other red meat species. This is a short but certainly not comprehensive discussion about marbling and an attempt to provide some fact around certain issues about marbling.

Marbling is the fine, evenly distributed flecks of fat found through muscle.

While fat in the form of phospholipids is found within muscle tissue (cell membranes), marbling fat occurs in the spaces between muscle bundles. It is one of the three fat depots of the carcass, the other two being, subcutaneous fat – on the surface of the carcass; and intermuscular fat found between major muscle groups. It is also important to note that these fat depots are laid down in a different sequence during the animal's life. Intermuscular or seam fat is normally deposited at a higher rate at first, followed by subcutaneous fat and then marbling fat. However, deposition of fat depots in this order does not mean that one depot will stop being deposited when the other accelerates its deposition, but will rather continue to be laid down. This is of course important in the context of striving for optimum levels of marbling, also called the “taste” fat, because in most cases it means that there are also an abundance of “waste” fat in the carcass when this point is reached.

Marbling contributes to an improved eating experience by positive effects on the 3 components of eating quality namely tenderness, juiciness and flavour.

Some studies claim that marbling explains 20 to 35% of the variation in general eating quality, but others are more conservative stating figures of 10 to 15%. These figures also vary as they were recorded using different levels of marbling. The mechanism involved in improvement of tenderness is three-fold: Marbling fat reduces the bulk density of a steak meaning there is less muscle structure (resistance) to bite through or to chew the meat.



Secondly, marbling fat has a lubricating effect, which stimulates salivation and giving the perception of increased juiciness combined with an improved experience of flavour, which will contribute to the perception of better texture and overall eating quality. Thirdly, marbling fat is deposited in the connective tissue structure and reduces the connective tissue toughness as marbling increases. We have now mentioned the experience of tenderness together with juiciness and flavour, and it is difficult to separate the three from each other when discussing marbling, as the effect is integrated. It is however interesting to note that the positive effect of marbling on flavour and juiciness (taste panel scores) increases as level of marbling increases, but there is a turning point or plateau at 15 % marbling fat.

“the positive effect of marbling on flavour and juiciness (taste panel scores) increases as level of marbling increases”

This is important when considering that breeds such as the pure and crossbred Wagyu may have marbling fat levels in the upper 20's and even 30's (%). Certain studies indicate that a minimum level of marbling required to improve flavour is 3% and to show an effect on texture, marbling levels above 8 % are required. Likewise, Savell and Cross (1988), researchers from the USA, established a window of acceptability and report a dramatic increase in palatability scores by consumer when marbling increased from 0 to 3 %. Between 3 and 6% the increase in response is still positive but not as dramatic. Above 6 - 7% the response to increasing levels of marbling tapered off further. In addition, above 7.3% health-conscious consumers started to protest against too much visual fat, which they related to health problems. Therefore, the window of acceptability for marbling was set at 3 - 7.3%. Fifteen % marbling, as indicated earlier may be recommended for niche markets, e.g. Eastern countries where eating culture as related to portioning and culinary methods differ from Western countries.

The quality of marbling and contribution to eating quality is not only defined by the level, but also the deposition pattern. Equal distribution of marbling as small flecks of fat across the steak surface area is most important. Large



islands of fat may contribute to total fat or marbling level, but is visually unappealing, and may cause inconsistent eating experiences with either exposure to too much or too little fat.

Because there is convincing evidence showing that marbling contributes to a positive eating experience, does not mean consumers are all in favour of marbling.

The response of consumers to the marbling fat in raw steaks should carefully be considered especially in certain Western markets. Consumers will often respond negatively when confronted with high levels of marbling in uncooked steaks on meat shelves. This response is driven by the negative connotation to visual animal fat. Consumer studies performed in the 90's in Australia confirmed that consumers preferred beef with the lowest fat trim (subcutaneous fat) and, interestingly, marbling fat had a larger influence on perception of “fatty meat” than fat trim/subcutaneous fat thickness. Consumers responded consistently (linear scale) negative concerning “liking of raw appearance” and “expected eating quality” over ranges of marbling scores 1-3 (marbling fat 4 to 7%). On fat-trim there was no negative response between 2 and 5 mm fat cover and a negative response only came with an increase from 5 to 10 mm. Consumers believed that lean meat does not only look more appealing but will also tastes better. Interestingly, this negative response made a 180 ° turn when consumers tasted meat without being exposed to the raw cuts. Consumer panel MQ4 scores (used in Australia as collective response to tenderness, juiciness, flavour and overall liking) showed a 4- 8 % increase in overall score even with a small range of marbling levels from score 0 (no marbling) to 3 (5.4 – 7.0 %). This corresponds to the study by Savell and Cross in the USA.



The composition of fat is important when considering the nutritional value and contribution to the health status of the consumer. While animal fat is generally regarded as unhealthy by the naïve consumer, saturated fatty acids commonly associated with animal products are most often blamed for their contribution to health problems such as cancer, diabetes and heart disease. However, today we know that stearic acid (a saturated fatty acid, or SFA comprising 40% of the saturated fat of beef) does not raise plasma cholesterol, while others such as palmitic acid do. Mono-unsaturated fatty acid (MUFA) and poly-unsaturated fatty (PUFA) are generally regarded as “healthier” fatty acids. Any fat, also in animals, consists of different proportions of these 3 groups of fatty acids (apart from other co-structures of fat) which give them their unique physical (e.g. melting point), chemical and nutritional characteristics. The composition of animal fat in terms of the said fatty acids may also vary across animals within breed, between breeds and feeding regimes but only to a limited extent across fat type, viz, marbling, subcutaneous fat and seam fat. Therefore, the claim often made that marbling fat is healthier than other fat (in the same animal) is not true. This misrepresentation of facts stems from the wrong definition of marbling fat. Fat in the cell structure (which is not marbling fat) is often and incorrectly included in the composition of marbling. These are phospholipids and are high in PUFA. However, true marbling fat is high in SFA and MUFA just like

subcutaneous and seam fat. In most cases, high levels of marbling is associated with high levels of the MUFA, oleic acid (particularly if it was associated with high levels of grain feeding).

MUFA levels are followed by slightly lower levels of SFA's palmitic and stearic acids. In fact, the proportion of PUFA's within muscle decreases (diluted) as marbling level increases. When considering these facts, an article in a local Sunday newspaper in October 2018 stating that Wagyu meat has higher levels of omega 3 and 6 PUFA's than Salmon, is quite off the mark. In fact, when meat is trimmed clean of external fat, higher marbling means that total fat intake increases, both SFA and MUFA, and that could become a health concern. As stated earlier, some American studies showed that maximum marbling levels of 6 to 7% is about the upper limit for compliance with dietary and health guidelines. These recommendations obviously have to be considered in the context of portion size and other factors, but it is also important to note that products currently on the shelf may exceed 30 % marbling. When considering the effect of diet on PUFA and the different types of PUFA (omega 3 and 6), grass feeding will cause a favourable (health-wise) increase in omega 3 to omega 6 PUFA ratio, but once again the favourable effect of this change will be diluted at high levels of marbling because an increase in marbling fat coincide with increase in mainly MUFA, but also SFA's at the cost of PUFAs.

Just a short note on where marbling fat comes from and what factors are involved in its expression. Marbling fat as it is seen in steaks are mature adipocytes. In other words, a cell specialised solely for the storage of fat. Adipocytes develop from pre-adipocytes, which in turn develop by differentiation from multipotent stem cells, multipotent meaning, the cells can develop into a number of cell types such as cartilage, muscle or fat cells. There are various factors that could influence the initial and subsequent development of stem cells into adipocytes and the subsequent “filling” of adipocytes to appear as marbling fat in the final product. For a given weight and time on feed, heifers will have higher marbling than steers which in turn have more than bulls. Calves castrated just after birth will have higher marbling than those castrated at weaning. The use of implants and beta agonists will also influence marbling. While the results of various studies are not conclusive, there is strong evidence that implants and more so beta agonists (salbutamol, zilpaterol) will inhibit the deposition of muscle fat. Interestingly, one study showed that steers implanted with oestrogens had lower marbling scores than those implanted with androgenic or

combination implants. It seems that early life restriction of nutrients, e.g. protein restriction prenatal and preweaning will increase adipocyte numbers and therefore the potential to marble. Weight loss later in life followed by weight gains has a compensatory or accelerated effect on the filling of adipocytes, therefore higher marbling occurs in such cases. Factors that influences the growth (filling) of mature adipocytes (marbling fat cells) are mostly genetics and nutrition. The right genetics will provide an animal with a predisposition to lay down marbling fat. Extended periods on high energy diets will lead to the expression of marbling and this will take place at a higher rate/level in animals with marbling genetics. Those without the predisposition will show proportionally higher increase in subcutaneous fat. Multiple genes influence marbling and the effect of each gene is small in relation to total variation in the trait. However, it is possible to locate regions (QTL) on a chromosome that are associated with differences in the marbling phenotype. Furthermore, with whole genome mapping, genes with specific effects on marbling are identified and selected for.

In summary, marbling certainly contributes to good eating quality. However, consumers need to be educated to accept that visual fat in the form of marbling translates to good eating quality, but always within certain limits. Consumption of steaks with extreme levels of marbling should signal health threats. Marbling fat is not healthier than other fat in the same animal, and consumers should be guided by recommended calorie intake in the form of fat, when selecting marbled steak portions.

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Tenderness



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Woolworths Angus Beef

Danie Dames, February 2020

It was a great moment for the Angus Beef Company to announce that the long-awaited promise of Angus Beef's availability in the South African market is finally a reality. Angus Beef, known for its perfection in overall taste, is finally available countrywide in selected Woolworths stores.

It is a product that gels perfectly with the exceptional high requirements of Woolworths. Woolworths are well known for their non-negotiable standards in product quality, country wide.

The Woolworths team, along with the support of the SA Angus Beef Company, built a protocol that suites both. The protocol's aim is to ensure prosperity to the Angus breed and to deliver the best beef products to consumers in the South African market, at an affordable price. The protocol is design to take the harsh farming conditions of South African Angus producers in consideration, in order to ensure sustainability.

Regular market forces apply and it's certainly going to be a case of supply and demand. The market response was exceptionally satisfying. We believed that it was only a matter of time before the demand for Angus Beef would go through the roof.

In June 2019, Woolworths announced that they are continuing with a "soft launch" of Woolworths Angus Beef. The first products were on the shelves at selected Woolworths' stores on the 25th of November 2019.

Woolworths required 25, slaughter ready Angus calves, every week from the 11th of October 2019 onwards.

With Mr. Klasie Loubser as the main driving force and with the help of fellow Angus breeders and the Angus Society, we started sourcing Angus calves. These calves were fed according to the Woolworths Angus Beef Protocol at two previously identified feedlots. The feedlots are owned and managed by Hendrik Botha in Marquard, and Peter Carroll in Lichtenburg. The first 25 calves were slaughtered on Friday, 11 October 2019.

The "soft launch", as Woolworths would call it, took place in Pretoria. Klasie Loubser, RC Malherbe and Danie Dames were present at the launch, looking after the Angus breed's interest. It was a proud moment for Mr. Klasie Loubser, whom invested a lot of his time and effort into the Angus Beef program. Within weeks, as expected, Woolworths doubled the weekly number of carcasses required, from 25 to 50 carcasses weekly. This was a big task on short notice. With the help of Hendrik Botha and Peter Carroll - who both did a lot for the Angus Beef Company, as non-breeders - we were able to keep up with the demand. Woolworths have since requested the number of carcasses to be increased from 50 per week to 100 carcasses per week.

The project is only in its first phase. There is a lot to be excited about, should you be an Angus commercial or stud breeder. We are very excited about the program and believe that by working together, great success awaits.

Having Angus Beef available in selected Woolworths' stores, countrywide, will be beneficial to both commercial Angus breeders, as well as Angus stud breeders.



For more information about the protocol and the program, please do not hesitate to contact us.

Contact Persons:

Klasie Loubser
082 3702 337
Director, Angus Beef (Pty) Ltd.

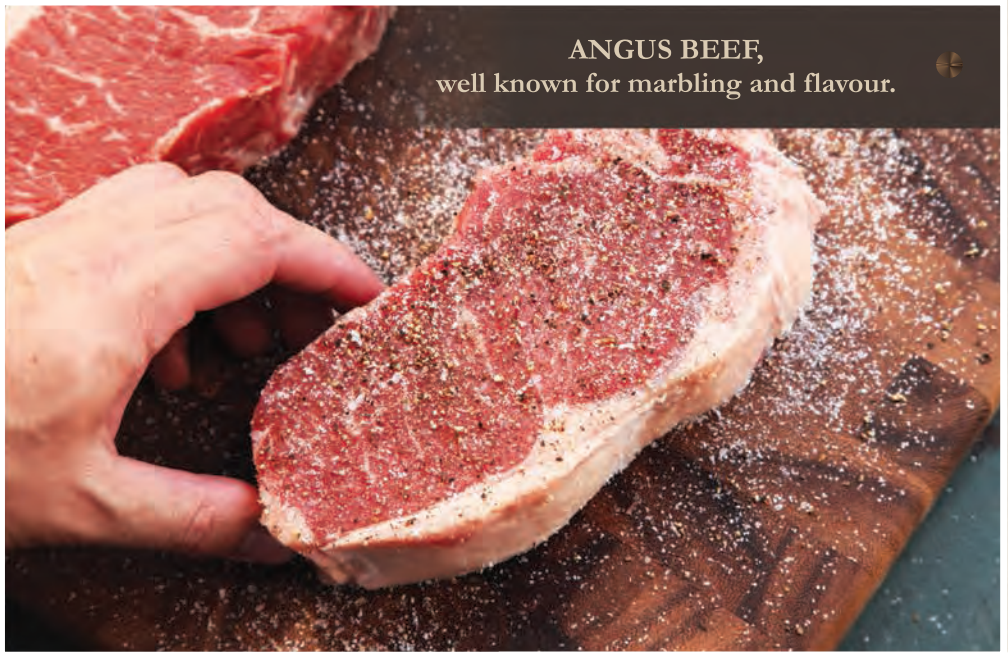
RC Malherbe
084 851 82 62
Chairman, SA Angus Cattle Breeders Society

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082 306 9358
Angus Breed Advisor and
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Die Aanbieding van 'n SUKSESVOLLE Veiling

Appie Maritz, BKB Wes-Kaap



Produksie- en stoetvee-veilings is die lewensaar en bron van inkomste vir menige stoetteler

Aanbieding:

In die aanloop tot 'n veiling, moet die volgende in gedagte gehou word:

- Diere moet baie streng gekeur word
- Veilingsdiere moet in puik kondisie wees
- Geen ooglopende gebreke, soos kruppelheid, vaal oë of wonde, mag sigbaar wees by diere wat op veilings geplaas word nie
- Stoetdiere moet verkieslik geskeer en gewas wees
- Vroulike diere se dragtigheidsstatus moet 100% korrek en beskikbaar wees
- In-entingsprogramme en veearts-rekords moet beskikbaar wees
- Diere wat in groepe aangebied word, moet streng geklas word op grond van onderdom, kondisie en tipe
- Bulle moet verkieslik haltermak wees – temperament speel 'n groot rol by potensiële kopers
- Die aantal diere wat tydens 'n veiling aangebied word, is van groot belang. Genoegsame aantal diere, trek kopers. Terwyl 'n ooraanbod 'n negatiewe effek op die dag het
- Begin vroegtydig met die saamstel van 'n veilingskatalogus. Gebruik korrekte teelwaardes, en maak seker dat dier- en stamboom-inligting korrek aangeteken is

Bemarking

Bemarking is na my mening die heel belangrikste aspek van 'n suksesvolle veiling. Hier is 'n paar punte van belang:

- Ken jou marke, en maak 'n behoeftebepaling
- Stel 'n goed, deurdagte advertensie-program op
- Advertensies moet alle relavante inligting bevat, maar nie te veel nie
- Goeie kwaliteit fotos en beeldmateriaal, van individuele veilingsdiere, is belangrik
- Persoonlike kontak tussen die verkoper en potensiële kopers is noodsaaklik
- Beantwoord alle navrae professioneel, stiptelik en met die nodige kennis
- Verkopers wat as geduldig, vriendelik en hulpvaardig ervaar word deur potensiële kopers, se veilings neig om meer suksesvol te wees
- Tree met eerlikheid en integriteit op teenoor voornemende kopers

Keuse van veilingshuis of agentskap

- Daar moet gebou word aan 'n goeie verhouding tussen die verkoper en die veilingsagentskap
- Maak gebruik van 'n veilingshuis wat 'n goeie “voetspoor” in die bedryf het, en verkieslik bekend is in die koper se omgewing
- Die agentskap moet oor genoegsame toerusting en opgeleide personeel beskik, om 'n suksesvolle veiling te kan aanbied
- Die agentskap moet betrokke wees by die bemaking van die veiling en die diere wat onder die hamer kom
- Maak gebruik van 'n veilingsagentskap wat finansiël gesond is
- Personeel moet netjies, hulpvaardig en opgelei wees.
- Maak gebruik van 'n veilingshuis wat bekend is vir hul integriteit

Veilingsdag

- Die veilingsterrein moet netjies en skoon wees
- Die krale moet prakties van aard wees. Die diere moet veilig gehou kan word, sowel as die vloei van diere toelaat
- Daar moet genoegsame, opgeleide personeel teenwoordig wees om die veilingsdiere te hanteer
- Die atmosfeer van die veilingskompleks moet vriendelik wees. Genoegsame sitplek en voorsien vervessings om voornemende kopers te laat welkom voel
- Bedref die potensiële kopers met 'n ete voor, of na die veiling. Klein geskenkies en blomme is ook 'n blink idee
- Verseker dat jou veiling in elke koper se dagboek, aangeteken is, deur daarvan 'n geleentheid te maak, waarna almal uitsien

Na-verkope diens

- Blyke van waardering vir alle kopers in die vorm van 'n oproep, e-pos of persoonlike kontak
- Behou kontak met kopers reg deur die jaar, om vordering van diere te monitor, of net belang te stel
- Deel inligting rakende jou stoet met kopers en potensiële kopers, reg deur die jaar
- Besoeke aan kopers se plase kan ook gedoen word, om die produksie van diere te monitor en terugvoer te verseker
- Begin vroegtydig met die beplanning en bemaking van die volgende jaar se veiling

Die sukses van 'n veiling kan gemeet word aan vele aspekte, waarvan omset en die hoeveelheid diere wat verkoop was, eerste in gedagte kom. Die sukses van 'n veiling hang in 'n groot mate af, van die aantal kopers wat jaar na jaar terugkom, om weer te koop!



MILAGRO, Andrew Masterson Family Trust

ANGUS

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Vice-chairman,
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VREDENHEIM,
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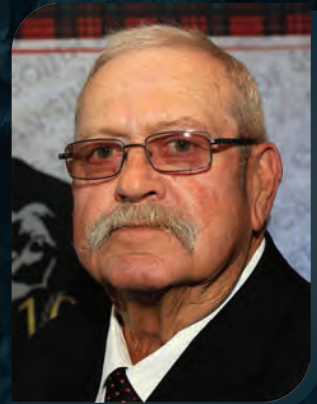
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& Mpumalanga
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Mr. Jannie Kotzè
Additional Council member
DE PANNE, Moorreesburg

Members List | Ledelys

EASTERN CAPE OOS-KAAP

ANDREW MASTERSON FAMILY TRUST

Owner: Andrew Masterson
Stoetnaam | Stud Name: MILAGRO
P.O. Box 117, HUMANSDORP, 6300
Tel: 042 291 0203
Cell: 082 321 1462
andrew@milagro.co.za
(Black & Red)

ANNELINE PARKER TRUST

Owner: Rob Parker
Stoetnaam | Stud name: BOSCHKLOOF
30 Reitz Road, Mill Park
PORT ELIZABETH, 6001
Tel: 041 502 7284
Cell: 082 555 5779
rob@pagdens.co.za
(Black & Red)

AUCDEEN (PTY) LTD

Owner: Hannes Aucamp & Peter MacKenzie
Stoetnaam | Stud name: AUCDEEN
P.O. Box 60, MOLTENO, 5500
Tel: 045 969 0058
Cell: 082 772 5323
hannes@aucdeen.co.za
(Black & Red)

BEER PROPERTIES (PTY) LTD

Owner: Robert Beer
Stoetnaam | Stud name: BEER BEEF
Suite 42 Pepper Grove Mall, Allan Str.
GRAHAMSTOWN
Tel: 046 636 2894, Cell: 083 799 1320
beeradmin@insightnet.co.za
(Black & Red)

BENNETT, P.J.

Owner: Peter Bennett
Stoetnaam | Stud name: ONE OAK
P.O. Box 65, ADELAIDE, 5760
Tel: 046 684 0807
Cell: 076 250 3802
(Black)

ELANDSBERG ANGUS

Owner: Mark Andersen
Stoetnaam | Stud name: ELANDSBERG
P.O. Box 15387
BEACON BAY 5205
Farm Tel: 082 4409 209
Business: 043 732 1307
Cell: 082 440 9209
mark@hogsback.com
(Red)

EVANS OW

Owner: Warwick Evans
Stoetnaam | Stud name: MAPASSA
P.O. Box 82
SOMERSET EAST 5850
Business: 042 243 2013
Cell: 082 5716 088
warwickevans@hotmail.com
(Black & Red)

GORAH ANGUS

Eienaar: Bull van Rensburg
Stoetnaam | Stud name: GORAH
Posbus 239
HUMANSDORP 6300
Tel: 042 291 0477
Cell: 082 498 0566
bull@igen.co.za
(Black)

INGRAM ANGUS

Owner: Colin Ingram
Stoetnaam | Stud name: INGRAM
P.O. Box 4, THORNHILL, 6375
Tel: 041 368 6971
Cell: 082 725 8170
bozie53@hotmail.com
(Black & Red)

KIFT, DR. M. J

Eienaar: Martin Kift
Stoetnaam | Stud name: GREENFIELD
Kabeljouw str 17
JEFFREYSBAY, 6330
Tel: 042 296 1351
Cell: 082 378 7279
kift@kougant.co.za
(Black)

KING, S. M.

Owner: Scott King
Stoetnaam | Stud name: MASCOT
P.O. Box 18 Lucknow
TARKASTAD, 5370
Tel: 045 846 9154
Cell: 078 925 8265
scottmarkking@gmail.com
(Red)

KNOTT, S

Owner: Sid Knott
Stoetnaam | Stud name: SK
P.O. Box 22, KEI ROAD, 4920
Tel: 043 782 0749
Cell: 082 321 0662 (Sid)
Cell: 082 321 0673 (Donald)
knottfarming@gmail.com
(Black & Red)

KROON, TANYA (PAARDEKRAAL)

Owner: Tanya Kroon
Stoetnaam | Stud name: ONBEDACHT
8A de Wet Road, Fresnaye,
CAPE TOWN, 8005
Tel: 049 845 9023
Cell: 082 487 622 | 082 777 7221
Tel: 021 439 1691 (B)
tanyak@cybersmart.co.za
(Red)

LANSDELL, N.E.

Ownerr: Neville Lansdell
Stoetnaam | Stud name: BEEFMATE
P.O. Box 172, KENTON-ON-SEA 6191
Herd Designation Letters: NEL
Tel: 046 654 0102
Cell: 082 775 8865
lansdell@boknes.com
(Red)

MARAIS, R.

Eienaar: Rico Marais
Stoetnaam | Stud name: MERCYCREEK
Posbus 303, STUTTERHEIM, 4930
Cell: 082 579 3955
woodford@vodamail.co.za
(Black & Red)

MILES, K.P. & SON

Owner: Kevin Miles & Carl Miles
Stoetnaam | Stud name: DUNEDEN
P.O. Box 131, DORDRECHT, 5435
Cell: 083 995 7087 (Kevin)
Cell: 073 330 5579 (Carl)
Tel: 0100013725
dunedinangus@gmail.com
carl.miles@hotmail.com
(Black & Red)

MOORCROFT, S.L. & SONS (PTY) LTD

Owner: Lawrence Moorcroft
Stoetnaam | Stud name: SYFERPAN
P.O. Box 2036, KOMANI, 5322
Tel: 045 839 6017 W
Tel: 045 839 6016 H
Cell: 072 402 2028
syferpan@isat.co.za
(Black)

PARKER TRUST, R & J

Owner: James Parker
Stoetnaam | Stud name: PARKER
P.O. Box 100, PORT ELIZABETH, 6000
Tel: 041 399 6700 (W)
Tel: 041 583 4534 (H)
Cell: 082 322 7788
james@rushmere.co.za
(Black & Red)

PURDON, C.C.

Owner: Chris Pudon
Stoetnaam | Stud name: VEEJAY
P.O. Box 82, CATHCART, 5310
Tel: 045 843 1727
Cell: 082 879 2744
chris@vjangus.co.za
(Black & Red)

PUTTERGILL, C.S.

Owner: Grant Puttergill
Stoetnaam | Stud name: PUTTERGILL
P.O. Box 34, THORNHILL, 6375
Cell: 083 651 8775
info@puttergill.com
(Black & Red)

VERMAAK, A.H.

Eienaar: Anton Vermaak
Stoetnaam | Stud name: BIRD ISLAND
REDS
Paarden Valley, Posbus 161
ALEXANDRIA 6185
Tel: 087 942 5732
Cell: 082 326 8509
avermaak@r63.co.za
(Red)

WELLS, D.H.

Eienaar: Denys Wells
Stoetnaam | Stud name: ESSENKAY
PO Box 27, ALEXANDRIA, 6185
Tel: 087 285 7835 H
Tel: 087 285 7815 W
Cell: 072 3308 296
dwells@mailapp.co.za
(Black & Red)

WHEELER, DR. V. J.

Owner: Vincent Wheeler
Stoetnaam | Stud name: JATALA
PO Box 8087, Nahoon
EAST LONDON, 5210
Tel: 043 722 7289
Cell: 083 275 3664
jatala@iafrica.com
(Red)

FREE STATE VRYSTAAT

AGRI BUSINESS INSITUTE (PTY) LTD

Owner: Neil van Zyl
Stoetnaam | Stud name:
HEMEL EN AARDE
Allenbystraat 35, PARYS, 9585
Cell: 082 317 9350
neil@invitroafrica.com
(Black & Red)

BARNARD, P.A.

Owner: Philip Barnard
Stoetnaam | Stud name: MEQUATLING
P.O. Box 207, CLOCOLAN, 9735
Tel: 051 943 0058
Cell: 082 577 2075
info@mequatling.co.za
www.mequatling.co.za
(Black & Red)

BELLAVISTA BOERDERY BK

Eienaar: Hentie Kruger
Stoetnaam | Stud name: NJK
Posbus 66, WINBURG 9420
Cell: 082 899 6639
Tel: 058 481 3067
Hentie_Kruger@absamail.co.za
(Black & Red)

BENEDETTO STOET

Eienaar: Rudi Claassen
Stoetnaam | Stud name: BENEDETTO
Posbus 17297, BAINSVLEI 9338
Cell: 082 782 8483
Tel: 051 445 2617
RudiclaassenI@gmail.com
(Red)

BODEEL BOERDERY

Eienaar: Johannes Botha
Stoetnaam | Stud name: BODEEL
Posbus 250, VILJOENSKROON, 9520
Tel: 056 343 1286
Cell: 083 272 6338
bodeel.botha@outlook.com
(Red)

BORDERLAND ANGUS

Eienaar: 1905 Borderland Angus BK
Stoetnaam | Stud name: BORDERLAND
Posbus 81, MARQUARD, 9610
Cell: 072 309 9249 (Gerrit)
meyzel@mtnloaded.co.za
(Black & Red)

BRAFFORD BOERDERY (PTY) LTD

Eienaar: Philip Pope
Stoetnaam | Stud name: REALDA
Posbus 67358, Highveld Uitbr 2
Centurion, 0169
Plaas: Success in Boshoff Distrik.
Cell: 082 886 8863
realdapope@yahoo.com
(Black & Red)

COETZEE, Dr Z.E.

Eienaar: Dr. Enslin Coetzee
Stoetnaam | Stud name: ZEC
Posbus 636, BOTHAVILLE, 9660
Bestuurder: Issie Liebenberg
Cell: 083 987 7060
issie@zecangus.co.za
(Red)

COETZER TRUST

Eienaars: Hein & Marius Coetzer
Stoetnaam | Stud name: COETZER
Posbus 37610,
LANGENHOVENPARK, 9330
Cell: 082 775 9941 (Hein)
Cell: 072 807 5221 (Marius)
Hein.Co@raubex.com
Coetzer.Im@gmail.com
(Red)

DE WET, J.A.L.

Eienaar: Dr Jan de Wet
Stoetnaam | Stud name: GELUKSBRON
Posbus 27914, DANHOF, 9310
Tel: 051 436 2117H
Cell: 084 586 2117
jaldewet@gmail.com
(Red)

DE WET FAMILIE TRUST

Bestuurder:: Danie de Wet
Stoetnaam | Stud name: OLIVE HILL
Posbus 22375, EXTONWEG, 9313
Cell: 072 776 0817 Francois
Cell: 082 610 7579 Johnnie
francois@evolac.co.za
johnnie@evolac.co.za
(Red)

HATARI GAME BREEDERS CC

Eienaar:: Jan Eksteen
Stoetnaam | Stud name:
HATARI EKSTEEN
Posbus 12863, Brandhof
BLOEMFONTEIN, 9324
Tel: 051 405 0929
Cell: 082 491 1273
jan@diysuper.co.za
(Red)

IRWIN, Mrs W

Owner: Ian McLachlan
Stoetnaam | Stud name: BUNGAREE
P.O. Box 68, TROMPSBURG 9913
Tel: 051 713 0518
Cell: 082 895 8188
kate@hillsidefarm.co.za
ian@hillsidefarm.co.za
(Red)

KAHTS, J

SCOTTS VALLEY BOERDERY
Eienaar: Dr Johan Kahts
Stoetnaam | Stud name: WENSPAN
Posbus 48, VILJOENSKROON, 9520
Cell: 082 453 9817
Wenspan.angus@carfone.net
(Black & Red)

KOMBUISLAND (Pty) Ltd.

Eienaars: Gerrit van Rooyen &
Henru van Rooyen
Stoetnaam | Stud name: KOMBUISLAND
Posbus 154, CLOCOLAN 9735
Cell: 072 309 9249
Cell: 082 451 8836
gerrit@kombuisland.co.za
henru@kombuisland.co.za
(Red)

LE ROUX, M.J.

Eienaar: Martiens le Roux
Stoetnaam | Stud name: VICTORIO
Posbus 177, BETHULIE, 9992
Tel: 051 763 1237
Cell: 082 772 9472
martiens@victorio.co.za
(Red)

Llewellyn Angus Trust T/A

WOODVIEW ANGUS
Eienaar: Brian Angus
Stoetnaam | Stud name: WOODVIEW
P.O. Box 23, ARLINGTON, 9602
Tel: 058 453 0606
Cell: 082 573 9687
woodview@mweb.co.za
(Black & Red)

LOUWS BOERDERY TRUST

Eienaar: Loutjie Louw
Stoetnaam | Stud name: MIQUILINE
Posbus 27 KOFFIEFONTEIN, 9986
Tel: 051 522 5556 W
Tel: 053 242 2413 H
Cell: 083 250 0210
djlouw@mtnloaded.co.za
(Black)

LUBBE, S.G.

Eienaar: Fanie Lubbe
Stoetnaam | Stud name: EENSGEVONDEN
Posbus 104, TROMPSBURG, 9913
Tel: 051 713 7053
Cell: 082 773 3123
fanielubbe@gmail.com
(Red)

MAARTENS, D.J.

Eienaar: Daniël Maartens
Stoetnaam | Stud name: MARDAN
Posbus 51, REDDERSBURG, 9904
Tel: 051 553 1022
Cell: 082 388 2292
djmaartens@gmail.com
(Black)

MALHERBE, R.C & VENNOTE

Eienaar: Gert & RC Malherbe
Stoetnaam | Stud name: ROECHAMA
Posbus 208, HERTZOGVILLE, 9482
Tel: 053 421 9493
Cell: 082 807 9216 (Gert)
Cell: 084 851 8262 (RC)
malherberc8@gmail.com
gert@graslaagte.co.za
(Black & Red)

MALUTI ANGUS

Eienaar: André Breytenbach
Stoetnaam | Stud name: CATTLEMAN
Posbus 1775, BETHLEHEM 9700
Tel: 058 303 1531
Cell: 082 774 6804
andre@maluti-angus.co.za
(Red)

MEADOWBROOK LAND & CATTLE COMPANY (PTY) LTD

Eienaar: Adv Hendrik Jacobs
Stoetnaam | Stud name: MDB
Posbus 35370, Menlo Park 0102
Meadowbrook Landgoed,
distrik PARYS, Vrystaat
Cell: 082 568 1613
Tel: 012 947 9315/34 B
hendrik@hendrikjacobs.com
(Black & Red)

MORRISON, DR. J.C.

Eienaar: Jan C. Morison
Stoetnaam | Stud name: SIMEL
Posbus 232
WINBURG, 9420
Cell: 082 785 5348
jankakie@gmail.com
(Black & Red)

NORTHFIELD ANGUS

Owner: GB & Warren Gatcke
Stoetnaam | Stud name: NORTH FIELD
P.O. Box 968
FICKSBURG 9730
Tel: 051 9332 659
Cell: 082 8535 426
wgatcke@gmail.com
(Black & Red)

PREMIER ACCESS CONTROLE

Eienaar: Gert Aggenbach
Stoetnaam | Stud name: AGGIE
Posbus 58557
DELAREY, 2114
Tel: 011 472 9237
Cell: 082 578 4783
frances@cycadestates.co.za
(Black & Red)

STEYN, J.M.

Eienaar: Johan & JM Steyn
Stoetnaam | Stud name: VANSIA
Posbus 775, BOTHAVILLE, 9660
Tel: 056 515 2663
Cell: 072 334 3990 (Johan)
Cell: 072 408 5699 (JM)
vansia@mics.co.za
(Red)

TACK, A.J.

Eienaar: Andries Tack
Stoetnaam | Stud name: ATAKA
Posbus 12298, BRANDHOF, 9324
BLOEMFONTEIN
Cell: 082 413 6226
tackandries@gmail.com
(Red)

TRIPLE G FARMS CC

Owner: Grant Odgers
Stoetnaam | Stud name: TRIPLE G FARMS
CC
P.O. Box 2641
BEDFORDVIEW, 2008
Cell: 079 529 9764
triplegreitz@gmail.com
(Red)

VAN ROOYEN, J.C.

Eienaar: Soepa van Rooyen
Stoetnaam | Stud name: SUTAL
Posbus 160, CLOCOLAN, 9735
Tel: 051 943 7174
Cell: 082 824 7220
soepa@ntelecom.co.za
(Red)

VASTRAP ANGUS

Eienaar: Quentin du Bruyn
Stoetnaam | Stud name: VST
P.O. Box 63, LADYBRAND 9745
Tel: 051 924 2424
Cell: 084 592 4245
quentin@ntelecom.co.za
(Red)

WAF TRUST

Eienaar: WAF Trust
Stoetnaam | Stud name: WATERVAL
Posbus 123, CLOCOLAN 9735
Cell: 079 348 6624 (Bismarck)
Cell: 083 290 4318 (Estè)
este@watervalangus.co.za
(Black & Red)

WOLMARANS, V.W.

Eienaar: Van Wyk Wolmarans
Stoetnaam | Stud name: HEBRON
Posbus 1254, BETHLEHEM, 9700
Tel: 058 303 1600
Cell: 082 563 9774
rabbittoothony@yahoo.com
(Red)

GAUTENG**COLLABORATION ZONE**

Owner: Mark R Orpen
Stoetnaam | Stud name: NORFOLK
43 Norfolk Road, Carlsward
MIDRAND, 1685
Cell: 083 800 3609
mark@collaborationzone.co.za
(Red)

ECONOCOM 209 CC

Eienaar: Jaco Herbst
Stoetnaam | Stud name: IMAGO
Posbus 1281
HENLEY ON KLIP, 1962
Tel: 016 365 6565
Cell: 082 387 1583
jaco@freshpackdairy.co.za
(Red)

ENANTIFLEX PTY LTD

Eienaar: Theuns Louis Visser
Stoetnaam | Stud name: ENANTIFLEX
Posbus 1402
MONDEOR 2091
Tel: 011 433 1668
Cell: 082 3720 638
swartgoud@iafrica.com
(Red)

HARTLEY, J.J.

Eienaar: Jurie Hartley
Stoetnaam | Stud: LILY WHITE
P.O. Box 845
HENLEY ON KLIP, 1962
Cell: 082 866 4623
juriehartley@live.com
(Red)

MARRIOTT, R.B.

Owner: Russell Marriott
Stoetnaam | Stud name: MARRIGOLD
P.O. Box 263246, Three Rivers
VEREENIGING, 1935
Cell: 071 898 3333
russellbmarriott@gmail.com
(Black & Red)

REDELINGHUIS RB

Eienaar: Ruben Redelinghuys
Stoetnaam | Stud name: RED RUBIE
Posbus 265111
DRIE RIVIERE 1935
Cell: 083 5357 163
Red.rubie@hotmail.com
(Red)

KWAZULU NATAL**BLAIRMORE ANGUS**

Owner: Kevin Lang
Stoetnaam | Stud name: BLAIRMORE
P.O. Box 802, HOWICK 3290
Manager: Brian Macaskill
Cell: 082 744 9972
farmadmin@fairfield.co.za
kevinl@fairfield.co.za
(Red)

BORROWDALE, P.

Owner: Phox Borrowdale
Stoetnaam | Stud name: BLACK BULL
P.O. Box 44021, KOKSTAD, 4700
Cell: 079 510 6299
fox@farmerslivestock.co.za
(Black)

COETZEE, P.T.

Owner: Paul Coetzee
Stoetnaam | Stud name: INVERMOOI
P.O. Box 11327 DORPSPRUIT, 3206
Tel: 033 266 6416
Cell: 082 771 2131
office@invermooi.co.za
(Black & Red)

EMANUEL, CR

Eienaar: Colin Emanuel
Stoetnaam | Stud name: EPWORTH
P.O. Box 344,
MOOI RIVIER, 3300
Cattle Manager: Luke Lemmer
Tel: 033 816 9303
Cell: 071 756 3833 (Luke)
epworthangus@bundunet.com
Colin.Emanuel@za.steinweg.com
(Black)

FLETCHER, Mr & Mrs D.H.

Owner: Douglas Fletcher
Stoetnaam | Stud name: TASHINGA
P.O. Box 192, MOOI RIVER, 3300
Tel: 033 263 2537
Cell: 082 413 9801
fletcherdh@bundunet.com
(Black & Red)

GLENURY ANGUS

Owner: Shaun Griffin
Stoetnaam | Stud name: GLENURY
P.O. Box 244, MOOI RIVER, 3300
Tel: 033 263 2731
Cell: 082 2100180
spg@bundunet.com
(Red)

JACOBSZ, P.A.

Eienaar: Jan Jaconsz
Stoetnaam | Stud name: VAN RENS
Posbus 1152, HARRISMITH, 9980
Cell: 082 805 5625 (Jan)
Jan.grootvlei@gmail.com
(Black & Red)

KEYSER, J.F.

Owner: Friedel Keyser
Stoetnaam | Stud name: LOVU
P.O. Box 104, ESTON, 3740
Tel: 031 781 1660 B
Tel: 031 781 1693 H
Cell: 082 774 9901
rosewood@mweb.co.za
(Red)

KLEINLOOG, DR ROBERT

Owner: Dr Robbie Kleinloog
Stoetnaam | Stud name: NETHERWOODS
P.O. Box 290,
NOTTINGHAM ROAD, 3280
Cattle manager: Taylor Knott
Tel: 031 581 2555
Cell: 082 573 7424 (Rob)
Cell: 072 355 2770 (Taylor)
farm@netherwood.co.za
(Red)

DAVID LOUWRENS FARMING (PTY) LTD

Owner: David Louwrens
Stoetnaam | Stud name: FOLESHILL
P.O. Box 93, KOKSTAD, 4700
Cell: 083 277 7933 (David)
Cell: 073 664 7111 (Piet)
palouw@venturenet.co.za
dmlouwrens.24acc@gmail.com
(Black)

MEADE P.F.

Owner: Paul Meade
Stoetnaam | Stud name: NEW LEAF
P.O. Box 291, DONNYBROOK, 3237
Cell: 082 566 1924
gppaul@iafrica.com
(Black)

SHALOM ANGUS BEEF

Owner: Fergus Buchan
Stoetnaam | Stud name: SHALOM
P.O. Box 373
GREYTOWN 3280
Cell: 082 786 7161 | 083 8170 335
buchanfarming@umvoti.co.za
(Black)

SHANTON STUD

Owner: Kevin Culverwell
 Stoetnaam | Stud name: SHANTON
 P.O. Box 1532
 PIETERMARITZBURG, 3200
 Tel: 033 342 7697
 Cell: 082 552 1722
 khc@culverco.co.za
 (Red)

WATERFALL STUD

Owner: Michael Ratray
 Stoetnaam | Stud name: KIRKMAN
 Private Bag X284, HILLCREST 3650
 Tel: 031 716 3555
 Cell: 078 803 0124
 liz@ratray.co.za
 (Red)

WHITE OAKS STUD

Owner: Graham Evans & Russel Watson
 Stoetnaam | Stud name: WHITE OAKS
 P.O. Box 11606, Dorpspruit, 3206
 PIETERMARITZBURG
 Cell: 082 900 5288 (Graham)
 Cell: 082 740 4419 (Russel)
 mistbelt@iafrica.com
 rwatson@futurenet.co.za
 (Black & Red)

WILLIAMSON, A.B.

Owner: Angus Williamson
 Stoetnaam | Stud name: BAR A
 P.O. Box 320,
 MOOI RIVIER, 3300
 Tel: 033 263 1037
 Cell: 082 564 5481
 mountvictoria@bundunet.com
 (Black & Red)

MPUMALANGA / LIMPOPO**DREYER L.F.**

Eienaar: Leon Dreyer
 Stoetnaam | Stud name: LEO-REGA
 Posbus 1468, MALALANE, 1320
 Tel: 013 7901417
 Cell: 083 462 1607
 leondreyer@yahoo.com
 (Red)

PELSE, H.A.J. & A.C.

Eienaar: Anton Pelser
 Stoetnaam | Stud name: ASTRO
 Posbus 247, HENDRINA, 1095
 Tel: 013 293 7408
 Cell: 082 804 1796
 astro2@megaweb.co.za
 (Black & Red)

WITPOORT ANGUS

Eienaar: Martin van Jaarsveld
 Stoetnaam | Stud name: SDG
 Posbus 446, GREYLINGSTAD 2415
 Tel: 017 7789123
 Cell: 083 2625 039
 fmjvanjaarsveld@gmail.com
 (Black)

**NORTHERN CAPE
NOORDKAAP****ANDRÉ MARKGRAAFF BOERDERY**

Eienaar: AT Markgraaf Jnr
 Stoetnaam | Stud name: GROENPUNT
 Posbus 1, KIMBERLEY 8300
 Manager: Stoffel Wiese
 Tel: 021 8879 184
 Cell: 082 554 4433: (André Jnr)
 Cell: 082 797 4366 (Stoffel)
 andrej@atmg.co.za
 stoffel@atmg.co.za
 (Red)

KOTZE, J.F.E.

Eienaar: Eksteen Kotze
 Stoetnaam | Stud name: STILLERUS
 Posbus 414
 POSTMANSBURG, 8420
 Cell: 083 234 6092
 eksteenkg@gmail.com
 (Red)

LAEL BOERDERY

Eienaar: SH du Preez
 Stoetnaam | Stud name: BEH-AG
 Plaas: Diepkuil, UPINGTON
 Pos: Oranjelaan 3 Uniepark
 STELLENBOSCH 7600
 Cell: 082 495 5107
 laelboerdery@gmail.com
 (Black & Red)

MöLLER, C.A.

Eienaar: Carl Möller
 Stoetnaam | Stud name: GANNAPAN
 Plaas Gannapan, dist. Carnarvon
 Posbus 159, PRIESKA, 8940
 Cell: (Snr) 084 555 7644
 Cell: (Jnr) 072 610 3021
 Tel: 053 004 0047/8
 gannapan@gmail.com
 (Black & Red)

STRAUSS, W & SEUN

(JWZ Strauss Boerdery)
 Eienaar: Kobus Strauss
 Stoetnaam | Stud name: HESTER
 Posbus 2314, KLERKSDORP, 2570
 Cell: 083 449 0940
 Kobus.strauss@tradedvantage.co.za
 (Red)

**NORTH WEST
NOORD-WES****BLIGNAUT, J.D.**

Eienaar: Basie Blignaut
 Stoetnaam | Stud name: JAMBE
 Posbus 28, PIET PLESSIS, 8621
 Cell: 082 338 8441
 jambejdb@gmail.com
 (Black & Red)

BLIGNAUT, J.G.

Eienaar: Geo Blignaut
 Stoetnaam | Stud name: GENA
 Posbus 96, PIET PLESSIS, 8621
 Cell: 084 581 2805
 geoblignautl@gmail.com
 (Black & Red)

CAMPER, L.E.

Eienaar: Loutjie Campher
 Stoetnaam | Stud name: LOUMOTTA
 Posbus 241, VENTERSDORP, 2710
 Tel: 018 264 2604
 Cell: 082 255 3037
 campherl@gmail.com
 (Black & Red)

CAMPER, R.P. & LE

Eienaar: Louren Campher
 Stoetnaam | Stud name: ROELOU
 Posbus 349, KOSTER, 0348
 Tel: 014 543 9161
 Cell: 082 926 3418
 louren@nwisp.co.za
 (Black & Red)

DELPORT, J.P.

Eienaar: Kobus Delpot
 Stoetnaam | Stud name: MAKOJALO
 Posbus 1155,
 POTCHEFSTROOM, 2520
 Bestuurder: Mari Delpot Roets
 Cell: 083 627 8131 (Kobus)
 Cell: 084 601 0263 (Mari)
 kobus@bkdo.co.za
 mariroets@icloud.com
 (Black & Red)

DELPORT PF & HL

Eienaar: Piet Delpot & Hendrik Delpot
 Stoetnaam | Studname: HIDE-A-WAY'S
 Posbus 112,
 SCHWEIZER RENEKE, 2780
 Cell: 082 550 7847 (Piet)
 Cell: 082 222 4269 (Hendrik)
 pietdelpot@suidwes.co.za
 (Red)

ERNST M.J.

Eienaar: Pieter & MJ Ernst
 Stoetnaam | Stud name: BONA BONA
 Posbus 2082, KLERKSDORP 2570
 Tel 018 451 1188/05
 Cell: 082 075 3541
 angusstud@bonabona.co.za
 (Red)

HATTINGH, A.M.H.

Eienaar: Mark Hattingh
 Stoetnaam | Stud name: REDHAT
 PO Box 13, Wannamal 6505
 Western Australia
 Tel +61419399557
 mark@amhattingh.com.au
 (Black & Red)

HI-LAND ANGUS

Eienaar: Jurie van den Heever
 Stoetnaam | Stud name: HI-LAND
 4 Edgewater Drive, BENONI 1501
 Cell: 082 4933 939
 izelvdh@gmail.com
 vandenheeverjurie@gmail.com
 (Red)

MAHNE & MAHNE BK

Eienaar: Hendy Mahne
 Stoetnaam | Stud name: GRASLAAGTE
 Posbus 62, LICHTENBURG, 2740
 Tel 018 632 9753
 Cell: 076 309 9212 (Hendy)
 Cell: 079 508 4806 (Roland)
 hendymahne@gmail.com
 (Red)

MARAI, J.D.

Eienaar: Kobus Marais
 Stoetnaam | Stud name: DIEPKUIL
 Posbus 365, LEEUDORINGSTAD, 2640
 Cell: 083 555 5483
 hantiemaraisl@gmail.com
 (Red)

OTTO, H

Eienaar: Anneri Otto
 Stoetnaam | Stud name: HOT
 Posbus 219, COLIGNY, 2725
 Cell: 082 805 0005
 anneri@lantic.net
 (Black)

PREECE, R.D. (PTY) LTD

Eienaar: David Preece
 Stoetnaam | Stud name: PREESTAR
 Posbus 117, COLIGNY 2725
 Tel: 018 673 0069
 Cell: 084 518 1832
 davepreece4@gmail.com
 (Red)

VAN DIJK, W

Eienaar: Wynand van Dijk
 Stoetnaam | Stud name: ESPERANZA
 Posbus 197
 COLIGNY 2725
 Tel: 018 011 1050
 Cell: 082 561 1186
 esperanza.angus@gmail.com
 (Red)

VAN TONDER, H.O.C.

Eienaar: Hendrik Van Tonder
 Stoetnaam | Stud name: HOC
 Posbus 424, STELLA, 8650
 Cell: 082 563 7765
 kalkaar@lantic.net
 (Red)

VOSLOO, J.F.

Eienaar: Janke Vosloo
 Stoetnaam | Stud name: ANVOS
 Posbus 4027, VRYBURG, 8600
 Tel: 053 927 4977
 Cell: 082 7334 762
 vosjan@live.com
 (Black & Red)

WESTERN CAPE WES-KAAP

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 Cell (Leeron) 082 351 3410
 lerasmus.bijstein@outlook.com
 (Black)

BLACK MAMBA ANGUS STUD

Eienaar: Jaco Smit
 Stoetnaam | Stud name:
 BLACK MAMBA
 Posbus 315, MOORREESBURG 7310
 Cell: 082 877 0549
 blackmamba@foxwireless.co.za
 (Black & Red)

BLACKSMITH ANGUS

Eienaar: Hanlo Smith
 Stoetnaam | Stud name: BLACKSMITH
 Posbus 1170, WELLINGTON, 7654
 Cell: 072 378 4889
 hanlo@blacksmithangus.com
 (Black & Red)

BLOM BROERS

Eienaar: Robert Blom
 Stoetnaam | Stud name: MELKHOUT
 Posbus 156
 Bredasdorp, 7280
 Tel: 028 425 2232
 Cell: 082 499 9921
 blommie@whalemail.co.za
 (Red)

BOUWER, R.N.

Owner: Roland Bouwer
 Stoetnaam | Stud name:
 BOUWERSKLOOF
 Blijdschap Farm, PAARL
 P.O. Box 5025
 MEYERSDAL, 1447
 Cell: 082 49 2151 (Roland)
 rolyn@global.cp.za
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 Cell: 083 324 2115 (Christoff)
 bouwerfarms@gmail.com
 (Black & Red)

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 EXPORTS4AFRICA
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 SOMERSET WEST, 7130
 Cell: 074 100 4039
 deon@bruwer.org
 (Black & Red)

BURDEN, J. H.

Eienaar: Johan
 Stoetnaam | Stud name: PLATBAKKIES
 Posbus 606, YZERFONTEIN, 7351
 Plaas: SPRINGBOK
 Cell: 083 571 7959
 johanburden@yahoo.com
 (Black & Red)

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 Cell: 072 334 3625
 mostertjk@gmail.com
 (Black & Red)

DE WAAL H.W.

Eienaar: Philip de Waal
 Stoetnaam | Stud name: LOCHEIM
 Posbus 38, MOORREESBURG 7310
 Tel: 022 433 2556;
 Cell: 082 7830 011
 locheim@xsinet.co.za
 (Black)

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 Cell: 082 456 0070
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 (Black & Red)

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 Cell: 084 618 9125 (Louis)
 louis@fairview.co.za
 (Black)

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 Stoetnaam | Stud name:
 FREDERICKSBURG
 Posbus 435, FRANSCHOEK, 7690
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 Cattle Manager: Stefan Terblanche
 Cell: 071 330 4356 (Bob)
 Cell: 082 610 5397 (Stefan)
 bob@rupertwines.com
 stefan@fredericksburg.co.za
 (Black)

GELDENHUYS, G.T.

Eienaar: Gielie Geldenhuys
 Stoetnaam | Stud name: RHEEBOOKSPLAAT
 Posbus 568, CERES, 6835
 Tel: 023 312 2596
 Cell: 082 460 6327
 merinogtg@breede.co.za
 (Black)

GILIOME, J.G. EN SEUN

Eienaar: Dirk Giliomee
 Stoetnaam | Stud name: PRINSVLEI
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 Tel: 028 424 2078
 Cell: 083 302 5575
 d.giliomee@yahoo.com
 (Red)

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 Cell: 083 228 1664 (Peter)
 Cell: 082 894 3699 (Nick)
 ppentz@iafrica.com
 nick@grootepest.co.za
 (Red)

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 Stoetnaam | Stud name: VOORBRUG
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 jdfarms@mweb.co.za
 (Black & Red)

KELLY, J. W.

Owner: James West Kelly
 Stoetnaam | Stud name: SOUTH BLOCK
 Postnet Suite 143, Private Bag X9118
 PIETERMARITZBURG
 Cell: 071 304 5592
 jameswestkelly@yahoo.com
 (Black & Red)

KOTZÉ, P.A.

Eienaar: Jannie Kotzé
 Stoetnaam | Stud name: DE PANNE
 Posbus 108, MOORREESBURG, 7310
 Tel: 022 433 2528
 Cell: 083 651 9266
 depanne@agrizone.co.za
 (Black & Red)

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Eienaar: Gareth Rupert
 Stoetnaam | Stud name: LEEURIVIER
 Dorpsstraat 100, STELLENBOSCH, 7600.
 Manager: Harold Turner
 Cell: 083 226 8274
 lturner@iafrica.com
 (Red)

LOOCK, M.C.

Eienaar: Martie Look
 Stoetnaam | Stud name: MC LOOCK
 Posbus 96, MISGUND, 6440
 Tel: 044 7631144
 Cell: 082 659 2441
 mcloock@net4all.co.za
 (Red)

LOUBSER BOERDERY, G.M.

Eienaar: Danie Loubser
 Stoetnaam | Stud name: KUILEN
 Posbus 245, PORTERVILLE, 6810
 Tel: 022 913 3203
 Cell: 083 270 7510
 angus@foxwireless.co.za
 (Red)

LOUBSER, N.H.

Eienaar: Klasie Loubser
 Stoetnaam | Stud name: HOLVLEI
 Posbus 295, VREDENBURG, 7380
 Cell: 082 370 2337
 klasieloubser@weskusmail.co.za
 (Black & Red)

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 Cell: 082 925 6242 (Andrè)
 Manager: Andrè Kallis
 andre@threestreams.co.za
 david@threestreams.co.za
 (Black)

METELERKAMP, C

Owner: Chris Metelerkamp
 Stoetnaam | Stud name: GANZVLEI
 P.O. Box 251, KNYSNA, 6570
 Tel: 044 383 0035
 Cell: 083 373 3880
 cmetelerkamp@ganzvlei.co.za
 (Black)

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Owner: AK Peer
 Stoetnaam | Stud name: PEER
 P.O. Box 3500, CAPE TOWN, 8000
 Tel: 021 683 1786
 Cell: 082 5767786 (AK)
 Cell: 072 455 5171 (Dirco)
 akpeer@lagroup.co.za
 (Black)

RUTHERFORD MT

Owner: Malcolm Rutherford
 Stoetnaam | Stud name: TYNEDALE
 P.O. Box 426, FRANSCHOEK 7690
 Tel: 021 876 3568
 Cell: 083 326 1007
 malcolm.rutherford@tynedale.co.za
 (Black)
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 rcooke@semex.com
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Eienaar: Rikus van Wyk
 Stoetnaam | Stud name: TIERWIL
 Posbus 63, PORTERVILLE, 6810
 Cell: 084 422 2111
 tierwil@agrizone.co.za
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 Tel: 021 224 0948
 Cell: 082 335 5844
 smowzer@command.co.za
 info@command.co.za
 (Red & Black)

UYS, N DE KOCK

Eienaar: Nico & Marianne Uys
 Stoetnaam | Stud name: WATERKLOOF
 Posbus 61, HEIDELBERG, 6665
 Tel: 028 722 1852
 Cell: 082 577 2502 (Nico)
 Cell: 082 973 1063 (Marianne)
 njfu@swdconnect.co.za
 (Red)

VAN ROOYEN, LEON

Eienaar: Leon Van Rooyen
 Stoetnaam | Stud name: SPOOR
 Posbus 7343, BLANCO GEORGE, 6531
 Tel: 044 870 7434
 Cell: 082 335 3094
 applegrove@vodamial.co.za
 (Black and Red)

VILJOEN, W.G.W

Eienaar: Willem Viljoen
 Stoetnaam | Stud name: VILJOEN
 Posbus 70, ELGIN, 7180
 Tel: 028 841 4806
 Cell: 082 493 4688
 admin@dievallei.co.za
 (Black)

VREDENHEIM EDMS BPK

Eienaar: Basie Bezuidenhout
 Stoetnaam | Stud name: WYNLAND
 Posbus 369, STELLENBOSCH, 7599
 Tel 021 881 3878 W | 021 881 3877 H
 Cell: 082 333 8903 (Basie)
 Cell: 082 4125 039 (Coenraad)
 basie@vredenheim.co.za
 coenraad@vredenheim.co.za
 (Red)

WELGEGUND BOERDERY

Eienaar: Hoffie van Blerk
 Stoetnaam | Stud name: SPANSAAM
 Posbus 257, MALMESBURY, 7299
 Tel: 022 481 3362
 Cell: 083 455 1151
 hofmeyrvb@telkomsa.net
 spansaam@gmail.com
 (Red)

WINDMEUL ANGUSSTOET

Eienaar: TH Bruwer & P Veldhoen
 Stoetnaam | Stud name: DAGBREEK
 P.O. Box 60913
 TABLE VIEW, 7439
 Tel: 021 8698 484
 Cell: 082 575 9707 (Theuns)
 theuns@wvsires.co.za
 (Black & Red)





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Kontakbesonderhede

RC Malherbe | 084 851 8262 | malherberc8@gmail.com | JM Steyn | 072 408 5699 | vansia@mics.co.za
Loutjie Campher | 082 255 3037 | campherl@gmail.com