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Editorial

It is with great excitement and enthusiasm that I take up the role of CEO of the Australian Brahman Breeders Association.

I thank the members I have met so far for extending me such a warm welcome and look forward to meeting many more members, and others involved in all aspects of the Brahman industry, over the coming 12 months.

Following on from John Croaker, who had 36 years leading the association, will not be an easy task with such big shoes to fill. I am grateful to John and to the Councillors and staff, both past and present, for putting the ABBA in the solid and pre-eminent position it is in today.

My vision is to continue the good work of those before me, in steadily building demand for Australian Brahman both domestically and throughout Asia. Underpinning this demand, as always, is the imperative to breed animals with outstanding performance traits and eating quality to meet a range of climatic and market specifications.

In late February I spent three days at John Dee Meatworks in Warwick as the latest round of steers from the Brahman BIN Project were killed. The performance data collected over these steers’ life, combined with meat science measures, all add to increasing the accuracy of and confidence in, BRAHMAN BREEDPLAN.

With our adoption of the new ‘single step’ method for incorporating genomic information into the calculation of Estimated Breeding Values (EBVs), the collection of objective measurements has become even more crucial to fast tracking the breed’s genetic gain across a range of important performance traits.

While it’s too early to tell if last year’s record-breaking demand for Brahman at auction will continue in 2017, early indications augur well. February’s Big Country Sale in Charters Towers kicked off the year on a high, selling bulls to $94,000 and females to $21,000 and recording a 99 percent clearance rate across the board.

As well as being CEO, I’m excited (if not a little daunted) about my role as Editor of Brahman News, and the opportunity to share stories that help communicate the great care the industry takes in the selection, breeding and husbandry of Brahman cattle from paddock to plate. I feel it’s important that we keep this message forefront in the public’s mind and embrace traditional and social media to share the love and respect we have for our cattle’s welfare, especially during times of potential unrest and reform in the live export industry.

In closing, I’m honoured to have this opportunity to work with the Councillors and members to help steer the ABBA into an undoubtedly even brighter future.

Editor

Inside this Issue...

pg 6 John Croaker’s legacy will live on after 36 years at the ABBA helm

pg 12 Unlocking the genetic secrets of 50 legendary beef bulls

pg 32 Big Country set north Australian stud sale records

pg 16 Wilangi Sale lifts with increased offering

pg 38 Vale: Ion Jackson A good life, well lived

pg 43 Surf and turf centre to life of cattlemaker

pg 46 Brahman BIN Projects Update

2017 JUNE BRAHMAN NEWS DEADLINES  Bookings required by FRIDAY, 5TH MAY 2017  Artwork & photos required by FRIDAY, 12TH MAY 2017
President’s paragraph

Fellow members, it is with great pride that I am writing my first president’s paragraph. Looking to the next three years I am filled with enthusiasm as we seek continual betterment of the Brahman Breed.

I would like to welcome our new CEO, Mr Robert Biddle, and look forward to working with him into the future. I would like to personally thank Mr John Croaker for the absolute dedication and expertise he has given our Breed and members for over three and a half decades, and to our outgoing President Mr Shane Bishop for the excellent job he has done for the past three years.

Northern Stud Sales have started off with a bang - a remarkable result coming out of the Big Country Sale. In particular, Ken McCaffery and team are to be congratulated on their efforts putting together such a strong line up of quality Brahman cattle - the vendors on a whole were very much rewarded. It is great to see the confidence in our Breed and Industry despite the challenges the season has posed to a lot of us.

Moving forward ABBA is excited to be the first breed society in the world to implement single step genomic EBV analysis, this will be provided across all traits, with the first run to be in April of this year. We anticipate the analysis to deliver an unprecedented ability to increase productivity and profitability for producers.

I would like to personally thank my fellow members and councillors for their vote of confidence in supporting me as your new president, and I look forward to meeting and working with you all in the coming years.

Sincerely,
Matthew McCamley

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Heatwave conditions, above average rainfall in northern Australia, fluctuating supply levels and a stronger Aussie dollar have contributed to an interesting start to the new year in terms of cattle prices.

In January 2017, yardings in Central and North Queensland saleyards declined by 40 percent on January 2016 offerings, according to Meat and Livestock Australia (MLA).

As a result, prices were up on 2016 rates, with the Northern QLD restocker steer indicator averaging 354c/kg liveweight, an increase of 34c/kg, and the restocker heifer rate up by 49c/kg to 332c. Medium steers were quoted as 26c/kg dearer (30c) and medium cows were up by 17c/kg to 238c.

Charters Towers

Jack Henshaw, Landmark, said saleyard cattle were hard to source in early 2017 due to patchy seasonal conditions.

“North of town, towards Greenvale, is looking good and also towards the coast near the Mingela Range and Woodstock. But the grass is thin and we still need some more rain to put body into it,” he said.

The first sale on February 15 yarded 1332 head, consisting of 583 head of prime cattle and 749 stores. Prices were “consistently good” for all descriptions.

Two top quality pens of grey Brahman steers caught the attention of restockers. The Foster family, Cape River, received $847 for 332kg steers, knocked down for just over 365c/kg. Local vendors the Fraser family, Cape River, received $815 for 3087 head on the third of the month. James Clements, St Lawrence and averaged $880.

Trevor Mylrea and family, Calliope, offered 592kg cows for sale. They attracted a top bid of 256c/kg to return $1517. Prime cows from stud breeders Alastair and Pam Clements, St Lawrence and averaged $1195 (241c/kg).

February selling kicked off with a yarding of 3087 head on the third of the month. James and Shirley Dunne, Duaringa, offered 215kg EU Brahman weaner steers, which sold for $823 (382c). Joy Wishart, Goovigen, presented 537kg cows for sale, which were snapped up by meatworks buyers for 250c/kg or $1342/hd.

Dry seasonal conditions saw a downward trend in prices at the February 10 Gracemere auction. One of the best pens of Brahman steers came from Anthony Ferris, Raglan, and sold for 353c/kg.

NORTH QLD

SARINA

Local and southern buyers leant solid support to the first Hayes and Co Sarina Store Sale for 2017. The January 28 event was strong for all descriptions, according to agents.

No.4 steers for sale, weighing and average of 413kg. They went for 324c/kg to return $1565.

April Cochrane, Alton Downs, presented 132kg weaner steers for auction, the line peaking at 412kg to make $547/hd. Heavier weaner steers from the Glasgow family, Biloela, topped at 384c/kg, weighing 198kg to realise $762/hd.

Rod and Glenda Lisle, Kunwarara, offered 26 No.5 EU heifers. They weighed 293kg and sold for 353c/kg.

Agents reported that cattle were of better quality at the 20 January sale, with rates remaining firm to dearer. The Glasgow family received 344c/kg or $1105/hd for their 321kg steers. Grey Brahman heifers offered by the Whales family, Biloela, made a healthy $1387, weighing in at 425kg and knocked down for 326c/kg.

Prime 583kg cows from the Neill-Ballantine family, Baralaba, were snapped up by meatworks buyers for 255c/kg.

On January 27 the market remained firm for the 2406 head offering. Highlights included the sale of 216kg Brahman steers for 406c/kg. They were offered by Graham Clements, St Lawrence and averaged $880.

Two top quality pens of grey Brahman steers caught the attention of restockers. The Foster family, Cape River, received $847 for 332kg steers, knocked down for just over 365c/kg. Local vendors the Fraser family, Cape River, received $815 for 3087 head on the third of the month. James Clements, St Lawrence and averaged $880.
steers, which averaged $1044. Sutherland Grazing Co trucked in 244kg No.6 steers from Collinsville, going home with $906/hd (371c).

Heavy 685kg bullocks from The Beak family, Lake Mary, were knocked down for 272c/kg to return $1863.

EMERALD
Prolonged heat, dry conditions and an oversupply of cattle saw prices ease at the February 9 Emerald Combined Agents Prime and Store Sale. George and Marie Saunders, Medway Park, Boguntungan, sold 522kg cows for $1260 (241c).

The yarding on February 16 was 559 fewer than the previous sale, presenting 1029 head. Cattle came from local areas and from Jericho, Clermont and Springsure, with prices generally lower despite the solid field of buyers present.

JAM Pastoral trucked in 300kg HGP-treated steers from Kui Downs, Capella. They sold for $942 or 300c/kg.

SOUTHERN QLD
MONTO
Dry, heatwave conditions have been pushing cattle into the Monto Saleyards early in the year. The fortnightly Prime and Store Sale on February 1 yarded 1010 head. Included in the draft were 258kg heifers from Shayne and Helen Mossman, Ubobo, which made 334c/kg or $860. Brahman cows from Roy Marbach sold for 284c/kg, weighing 510kg to return $1265.

At the February 15 sale agents presented 1210 head for auction, with the market dropping by 10-15c/kg due to an oversupply and the ongoing dry. Brahman bullocks, 556kg, made 291c/kg or $1648. They were offered by Warren McLachlan, who also marketed 515kg heifers for $1405 or 272c.

L. and S. McLaughlan presented 406kg steers, which sold for 319c/kg or $1307.

Stud breeder Becky Wilson, Eureka Creek, took home 245c/kg or $1280/hd for her 522kg cows. Red Brahman cows, 530kg, from Rideout Grazing, were knocked down for $1273, while 566kg cows from Les and Val Hotz went for $1337 (236c).

AUCTIONSPLUS
2016 was AuctionsPlus’ largest year on record for cattle throughput, the online selling portal auctioning close to 390,000 head. The majority, 41 percent, were marketed from New South Wales, with 27 percent coming from Qld and 18 percent from Victoria.

Average prices across last year were 383c/kg for steers and 349c/kg for heifers. AuctionsPlus analysis shows that steers averaged $1294/hd, joined females averaged $1775, unjoined heifers $1157 and cows and calves $2035.

Selling started off strongly in 2017, with some notable heifer sales from southern Qld vendors. On February 3 a Condamine vendor received $1525 for a line of 24 red Brahman heifers aged 9-19 months. The unjoined Hudgins-blood heifers averaged 297kg.

On February 10 a Kumbia vendor offered 20 two-year-old Caiwarra blood heifers, weighing 459kg and pregnancy tested in calf. They sold for $1850.

The Prime Objective

The Australian Brahman Breeders Association (ABBA) Council has elected Central Queensland cattleman Matthew McCamley as the 21st President of the association.

Mr McCamley operates Lancefield M Brahman stud, Eulogie, Dululu, and follows in the footsteps of his late father Jeff who was an ABBA Life Member and President from 1987 to 1989.

He has been a member of the ABBA Council since 2008, holding the Junior and Senior Vice President roles as well as being a member of the Technical Committee.

The incoming President paid tribute to his predecessor, Shane Bishop, who stepped down after completing a three-year term.

“Shane’s leadership, particularly during the planning and implementation of this year’s highly successful World Brahman Congress, has contributed greatly to the standing of the Australian Brahman industry both here and internationally,” Mr McCamley said.

“Id also like to thank my fellow Councillors for their efforts and look forward to working with them during such an exciting time for the breed.”

This year Brahmans became the first cattle breed in the world to introduce a Single Step method of integrating genomics into its BREEPLAN multi trait analysis which will contribute to increasing accuracy of selection, particularly for hard to measure traits.

“While Brahmans continue to go from strength the strength because of their inbuilt adaptability and suitability across a range of markets, our close association with the research industry paints an even brighter future for the breed in the years ahead,” Mr McCamley said.

The ABBA Council elections, held in December, elected Wendy Cole, Kenrol Brahman stud, Matcham, Gracemere, as the Senior Vice President and welcomed Reade Radel, Kandoona Brahman stud, Yebna, Injune, as Junior Vice President. Long serving Treasurer Brett Coombe, Roxborough Brahman Stud, Moura, will continue in that role.
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Close to 200 people packed the Rockhampton Leagues Club on December 9, 2016, to pay tribute to the man who has steered the Australian Brahman Breeders Association (ABBA) for the past 36 years and helped shape it into the highly successful and internationally respected organisation it is today.

Retiring General Manager John Croaker was appointed to head the association on 15 December 1980 and officially hung up his boots in February 2017, after handing over the reins to incoming CEO Robert Biddle.

When John left the Murray Grey Beef Cattle Society, where he was a Classifier and Registrar, to join the ABBA, the beef industry was still in recovery mode following the Beef Depression.

“The ABBA was a very different organisation back then,” John said.

“We had about $20,000 in the bank and about 1500 studs registered, 500 active members and were registering 5000 head a year.”

Today, membership numbers allocated have passed the 5600 mark, with about 1000 active study members and between 20,000-25,000 animals recorded annually. The association’s operating budget has grown to $1.5 million, with a solid asset base of around $2.2 million.

Longstanding ABBA Treasurer and former President Brett Coombe said the association had grown “more than 10 times” from what it was in early 1980s.

“We are in such a good financial position because John was very frugal with money and very diligent about what we spent money on,” Brett said.

During his term as General Manager John has seen the breed move from one of at times dubious reputation in terms of temperament and eating quality, to a forerunner in the beef industry.

“I don’t think anybody would have regarded Brahman as a major breed back in 1980, but by the end of the 1980s we were a major breed and have continued to maintain that status. We are certainly the largest tropical breed today and one of the largest breeds overall.”

John said he took great satisfaction from last year’s record breaking $9.67 million Rockhampton Brahman Week Sale, which was the culmination of four decades of hard work to grow the event into the world’s largest one breed bull sale. Last year alone Brahman grossed $22.17 million at auction, with a record combined bull average of $8743 and a $10,850 average for registered bulls, an increase of 51 percent on the previous year. The breed also holds the Australian auction sale records of $300,000 for a registered bull and $96,000 for a herd bull.

Another major achievement was John’s involvement in establishing the World Brahman Congress, an event which is now held somewhere in the world every two years.

“The first World Brahman Congress was held here in Rockhampton to celebrate the 50th anniversary of the importation of Brahman into Australia by Dr Kelley,” John said.

“We held another Congress here in 2002 and again in 2016, which was widely acclaimed as the best ever Congress to be held anywhere in the world. So I got a lot of satisfaction from my contribution in getting those going.”

Without a doubt, the uptake of the Brahman breed in Australia has been due to its performance capabilities, which have been significantly enhanced over the decades thanks to the early adoption of new genetic technologies and the continual development of the ABBA pedigree and performance database.

“We’ve always been one of the first breeds to implement new technologies as they’ve come along,” John said.

“More recently, setting up the association to take advantage of genomic technology by capturing phenotypes in the Brahman BIN Project has been a real achievement and will continue to advance breed development into the future.”

ABBA president from 2004-2007 Rodger Jefferis said John contributed in many ways to transforming the breed into “one that was used to survive where others couldn’t, to a powerhouse driving the Northern Australian cattle industry”.

“But I believe it was his sharp understanding of science and research that was foremost. John ensured that Brahman were the backbone of the Beef CRC (Cooperative Research Centre) project and has pushed every chance possible since to measure, analyse and scientifically understand the breed. By recording so much data, continued breed improvement is a certainty,” Rodger said.

Professor Robert Banks, Director of Animal Genetics and Breeding Unit (AGBU), Armidale, NSW, said John was “a really impressive person to work with in exploring opportunities to take the Brahman breed forward with research and development.”

“Through the Brahman BIN Project, and more generally through AGBU and the Beef CRC, the breed strongly engaged in outstanding
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John Croaker’s legacy will live on after 36 years at the ABBA helm

R&D that would not have been possible without John’s involvement,” Prof Banks said.

“Putting in place large, complex, expensive, long term projects requires a lot of vision, dedication, carefnfulness and really good communication skills. John is completely professional and that professionalism has helped build the whole genomic story for the Brahman breed in this country, and the importance of that will snowball.

“John’s legacy in embracing new technology will live on long past his time as the General Manager and I’m absolutely certain it will pay off for many years to come.”

In his first few years at the helm of the ABBA John said his most valuable mentors were Ken Coombe, who was a longstanding councillor and president from 1980-83, and the late Jeff McCamley, who was a councillor from 1971 and president from 1986-89.

“I enjoyed the working relationships with all of the presidents, right through. It’s been one of the real pleasures of the job to have gotten to know those people in a deeper way from dealing with them on a daily basis.

“I think I’ve also had a good relationship with all of the members. While there have been some occasional difficulties and challenges along the way, we’ve been able to get over them and move on.”

John rates the management of Pompes Disease and Bovine Johne’s Disease (BJD) as two of the most difficult issues faced during his time as General Manager.

“In the early days Pompes Disease was a very significant challenge because we knew there was a problem yet didn’t have tests that were capable of assisting to solve it.

“In the end we were fortunate that we did end up with a very specific DNA test which allowed the disease to be managed relatively easily,” John said.

“I remember putting together a summary report of how we handled Pompes Disease and I got it all down in one page. I thought that was ironic, given that we had spent hundreds of hours debating how to handle the issue and had two boxes full of reports. Thankfully, we now know so much more about these disorders through genomic information and can identify and recognise them before they manifest; it’s quite amazing.”

When a 2012 BJD outbreak at a Central Queensland stud led to the forced quarantine of more than 170 properties, John was quick to step up to join the Bovine Johne’s Disease Industry Advisory Committee.

“BJD issues were certainly a major challenge that caused a lot of people a lot of hurt, and we put considerable effort into changing the national management plan so it reduced the impact on affected producers.”

Another turbulent period for the breed was Meat and Livestock Australia’s (MLA) introduction of the Meat Standards Australia (MSA) grading system in the 1990s, with initial MSA specifications restricting the amount of Bos indicus content allowable in graded beef.

“This was a real challenge at the time and caused us a fair bit of grief for a while,” John said.

“It is fortunate that the scheme changed to a cuts based system and we now have pathways, and a better understanding of meat science, that mean large numbers of Brahman cattle are successfully grading and meeting market specifications.”

While always a strident advocate for the breed’s best interests, John’s wider beef industry involvement has been rich and varied, including committee and executive roles with the Australian Registered Cattle Breeders’ Association (ARCBA), Beef Breeding Services, AGBU, the Qld Cattle Industry Biosecurity Fund, and the Agricultural Business Research Institute (ABRI).
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James Masson - “The Rock Angus NSW”

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John Croaker’s legacy will live on after 36 years at the ABBA helm

In 2000 John was awarded the ABRI John L Dillon Agribusiness Award for “outstanding services to agribusiness including development of the Brahman breed in Northern Australia and its export to Asian countries”.

ABRI Business Development Consultant Arthur Rickards said the award had only been given out three times in the past 45 years and was a testament to the level of integrity and high regard in which John was held.

“John’s greatest skill is his people skill. John has been extraordinary in his contribution to developing the breed here and overseas. We could not do any of the work we do without him. John is a great achiever for the beef industry and the Brahman breed, and the industry will miss him,” Arthur said.

In 2009 John was the recipient of ARCBA’s RW Vincent award in recognition of his commitment to the cattle seedstock industry. The honour recognised John’s close involvement in the Beef Australia expos since 1988, his key role in the development of Tropical Beef Technology Services, his 15 years’ service as Vice President of ARCBA, his contribution to research advisory processes and his leadership of the ABBA.

Other honours have included Life Membership of the Rockhampton Show Society, following more than 25 years on the Cattle Committee and Management Committee, and a Paul Harris Fellowship for his contribution to the Rotary Club of Rockhampton Sunrise.

However the two most special awards were presented to John on the night of his testimonial dinner: Life Membership of the ABBA and Life Membership of Beef Australia. John was Secretary of the committees that conducted the first two national beef expos in Rockhampton, Beef 1988 and Beef 1991, and was Treasurer of Beef Australia from 2003-2009.

Beef Australia chair Blair Angus said: “John has done great things for the breed and for the beef industry as a whole.”

“I’d like to thank Brett Kirk and his committee for organising the testimonial dinner and the Council for hosting the event and awarding me Life Membership. This was one of the highlights of my life and I was so humbled by the response from all present on the night,” John said.

Asked if there was anything he still wished to achieve for the breed, John said a greater uptake of BREEDPLAN by members was still on his wish list.

“I’d certainly like to have seen more members embrace BREEDPLAN technology because I think it’s still underpinning the breed’s genetic progress. I’m sure that once we start to unlock the secrets that genomics can provide, and make access to the technology somewhat easier for people not particularly good at keeping records, that more breeders will embrace the technology.”

John’s vision for BREEDPLAN is not just limited to Australia. As a member of the International Brahman Breed Improvement Forum he has helped drive the development of a multi-country BREEDPLAN genetic evaluation.

ABBA member Alf Collins said the industry owed a debt to John Croaker for “leading the world in collaboration”.

“John has worked incredibly hard and (his wife) Nola has been a champion for supporting him so well. John is a quiet and humble man and has got a ton of guts. He’s one of the few people in the country and the breed that we should analyse for our way into the future.”

While great strides have been made in breed development over the past four decades, John said he believed the best years for Brahmans were still ahead.

“Brahman cattle have improved substantially over the years and I’m confident that, with the uptake of new technologies, the breed can still make substantial improvements in the key productivity and production quality traits, and do it a lot faster in the years to come.”

John and his wife Nola plan to enjoy their retirement years by relocating to the Sunshine Coast hinterland to be closer to their family. Their daughter Susan and her husband Tim De Jersey and their two sons Arlo and Harvey live in Brisbane, as does daughter Fiona; while their third daughter Helen lives in Melbourne.

“My career has certainly been a journey that has been challenging for my family at times and they’ve made many sacrifices so I could to get the things that I needed to do done. I pay tribute to their sufferance and forbearance, which has enabled me to maintain my rewarding career for so long.”

While time for hobbies has been non-existent in the past, John is now looking forward to playing more golf, going fishing, and developing new interests.

“Of course, I intend to maintain my interest in Brahmans from the sidelines. I’ve made a lot of friends within the breed and am looking forward to maintaining contact with them now that I have more time on my hands.”
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THE genes of 50 top beef bulls – some dating back more than half a century – have been sequenced in an effort to understand how genes from temperate cattle have influenced important production traits in the modern Brahman breed.

The Sequencing the Legends project is led by Professor Steve Moore, Centre for Animal Sciences Director at the Queensland Alliance for Agriculture and Food Innovation, a combined University of Queensland and Queensland Government research institute.

“We are unpacking the entire DNA sequences of 50 influential Brahman animals, then honing-in on the genes associated with specific traits in order to capture the best genetics in the Brahman breed,” Prof Moore said.

Understanding the genetics underlying production traits in Australian tropically adapted cattle is essential for further breed development and crossbreeding strategies, he said.

“Brahmans are adapted to tropical climates and there have been more than 300,000 years of separation between Bos indicus cattle such as Brahman and the Bos taurus cattle breeds that are important to temperate production systems.”

Queensland is home to almost half of Australia’s beef cattle – many including a Brahman influence. But the Brahman genome has been found to contain around seven to ten percent Bos taurus genes, a legacy of the breed’s formation.

“We were not sure how Bos taurus genes in the Brahman genome might affect the animals performance,” Professor Moore said.

“Is it just a random mix or have specific taurine genes been retained in Brahman because they were associated with desirable production traits?”

Prof Moore, his QAAFI colleague Prof Ben Hayes, and Dr Brian Burns from the Department of Agriculture and Fisheries lead the research team that is sequencing the DNA from Brahman sires – some dating as far back as the mid-1950s.

DAF and the Australian Brahman Breeders Association were instrumental in selecting and locating the breed’s most influential sires for the project.

Results from the Sequencing the Legends project are still being processed, but indicate that the Bos taurus genes lurking in the Brahman genome may have been selected for important production traits associated with fertility, growth and temperament.

“This data will help us to better direct breeding decisions and thus boost the productivity and profitability of the northern beef industry,” Prof Moore said.

“The Brahman breed is very diverse compared to the British and European breeds, the 50 animals so far represent less than half of the Brahman population in Australia. That’s good news, as it means there is lots of genetic diversity to choose from in any directed breeding program.”
Unlocking the genetic secrets of 50 legendary beef bulls

Here’s the list of the Brahman bulls chosen to be involved in the genetic evaluation:

- VL ROJO GRANDE 26/8 (IMP US)
- JDH MADISON DE MANSO (IMP US)
- JDH DATAPACK MANSO (IMP US)
- JDH NAVASOTA MANSO 55/1 (IMP US)
- DUKE DE MANSO
- ABBOTSFORD DURACELL
- ALLAWAH EVEREST
- ALLAWAH FORT KNOX
- AVONDALE EVEREADY
- BELMONT 95-71
- CHARLYN LEADER
- CHEROKEE BOLD CHIEF X1/3656 (P)
- CHEROKEE CAMPEON X6/1205
- CHEROKEE L A REPUCHO DE MAN 77/2
- CHEROKEE LA SITTING BULL 982
- CHEROKEE OLE SLOWPOKE 62/4027
- CMT JAROCHO 309/0 (IMP US)
- CMT TUXPENO 308/0 (IMP US)
- BORDERVIEW DON DIEGO
- HCC RED GIANT 0/134 (IMP US)
- HK ARROW J MILLIONAIRE 300 (IMP US)
- JDH BECKTON DE MANSO (IMP US)
- JDH CHARLEY MANSO
- JDH MANGUM MANSO 146 (IMP US)
- JDH Mr MADISON MANSO 834
- JDH REX C MANSO
- JDH SIR ATARI VIC MANSO 749/4
- LANCEFIELD AMBITION 7736
- LANCEFIELD M BILLIONAIRE MANSO 1377/M
- LANCEFIELD RANCHER 7134
- LANCEFIELD SIGNATURE 9153
- MR V8 189/4 (IMP US)
- MSH 16/28 (IMP)
- NCC SERENGETI
- RPR ADAM 078/2 (IMP US)
- SAVANNAH MR MANSO 007
- SUGARLAND’S ESTO 284 (IMP US)
- TARTRUS REDLINE 3653
- TARTRUS REDMOUNT 2365
- VL ROJO GRANDE 0/80 (IMP US)
- WAIRUNA ZONE
- WAIRUNA PETER DE MANSO
- WANDILLA EINASLEIGH
- WAVELEY KEN DE MANSO
- YENDA BULLOO 212/3
- YENDA IMP 120/9

An additional four Polled bulls were sourced direct from the breeder.

ALL-NEW ROBINSON R44 CADET

The ideal utility and trainer helicopter

- 2 place with aft cargo compartment
- Lower price than standard R44 Raven I
- Increased high altitude performance
- Increased time between overhaul to 2,400 hours
Quality females sold to $5500 at the second annual Great Southern Brahman Female Sale held at Silverdale Saleyards, near Ipswich, on January 21.

The multi-vendor southern Queensland sale cleared 48 registered females for $2370 average, the result a $658 per head improvement on the inaugural event.

New South Wales buyers provided strong support for the sale, backed up by local and Central Queensland studmasters.

Topping the fixture at $5500 was Springhaven Snow White, offered by NSW vendors David and Luke Allen, Springhaven stud, Spring Grove. The halter-broken heifer had been running with the homebred polled bull Springhaven Mr Malikye Manso, and is a daughter of imported sire DF Mr Snowman 91/9.

Snow White was purchased by Nicole Jovanovic and will join the family’s Scenic Rim stud show team, based at Milbong near Ipswich.

Tony Zischke and Anita Pearce, Dry Creek, Buaraba, sold the top priced cow and calf unit at $4500. The rising four-year-old grey cow, Dry Creek Footy, was offered with a heifer calf at foot by Maru Edison Manso. The stylish unit sold to Margaret and Greg Hayes, Figiland stud, Fawcetts Plain via Kyogle, NSW, who purchased four head at the sale.

Dry Creek recorded the best sale average of $4167 for its three daughters of FBC D Queenslander Manso. Dry Creek Reiny, a four-year-old cow with a bull calf at foot by Maru Edison Manso, went for $4250 and Dry Creek Stevie, a 25-month-old in calf to the same bull, was knocked down for $3750. Both lots will join the Clark family’s Staben stud, Casino, NSW.

The top priced red was the last lot of the sale, Roseborough L Stella 377/6, offered by Lynn Walther, Roseborough L, Lowood. The 12-month-old polled daughter of Mt Callan Kojack 105/10 and the Stockman Rayban daughter, Roseborough L Shay 199/1, was snapped up by Chris McCarthy, Stockman stud, Junction View.

The Roseborough L prefix averaged $3417 for six young polled red heifers, all unjoined daughters of Mt Callan Kojack. Five of the six lots sold to Colin Bunn, BKC Brahmans, Maidenwell, his purchases including $4000 Roseborough L Miss Spring 361/5 and $3750 Roseborough L Daisy 368/5. Mr Bunn was the major buyer at the sale, selecting nine head.

Hillview Bomb Julie, at $3500, was the best seller in the 13-head draft from Ken Schultz’s Hillview stud, Mt Larcom. The April 2016-drop daughter of the polled sire Hillview Emperor 94 was one of three lots purchased by Dean Rasumussen, Droonoodoo, Kingaroy.

Bulk buyers at the sale included Arthur Versace, Mt Organ, Wandoan, who took home six head, and Julie and Chris Mauch, who were successful bidders on five females.
Our sincere appreciation goes to our fellow Brahman breeders for your votes and support in this showcase World event. Enormous thanks to PJ Budler and his team, acclaimed judges and our American tour hosts for your generous hospitality.
Wilangig Sale lifts with increased offering

The 2016 final Brahman bull sale recorded outstanding results, with powerful buying competition from a large crowd of studmaster and commercial bull buyers for an increased offering of high quality grey sires and herd bulls. As Australia’s premier grey Brahman sale, the Wilangig event, presented at Charters Towers, from 7 leading grey stud enterprises, a strong and attractive genetic diversity in its 245 bull offering that was very much in demand. Sale Principals Ron & Bev White and Robert & Mandy White of Wilangig Brahmans lined up for their 29th sale in late November, this time joined by the sale’s invited vendor studs Raglan, Wallace, Viva, Glengarry, Lanes Creek and Cambil.

Sale results reflect the power and strength of buyer support, the market suitability of the bulls on offer and the competition of producers to secure high quality, proven performance, grey bulls credentialed well for stud and commercial herd improvement.

Buyer registrations increased 24% on the 2015 sale, the sale gross of $2,090,000 was over double the previous year, 58 more bulls (31%) were offered and sold, the sale overall average price of $8,530 for stud and herd bulls was up 53%, 60 bulls sold at figure prices ($10,000 and over) up to a top of $100,000 (the highest priced grey Brahman bull of the year in Australia), yet, showing the sale’s long standing reputation as an exceptional source of bulls for all budgets, 97 lots (40%) sold in the $3,000 to $5,000 price range.

Sale vendors were particularly delighted to welcome a strong contingent of studmaster buyers to the sale this year including Elrose, Garglen, Yenda V, Fenech Grazing, Gipsy Plains, Mt Brett, Carinya, Palmal, Lancefield, Nosilla, Gulf Coast, Annavale, etc.

It was the catalogue cover photo bull, Willtony Blundstone, a poll from the Lanes Creek sale draft, that topped the sale at $100,000. He is another son of Avee Jackson at the Big Country Brahman Sale. It created an excellent impression for the grey sires and herd bulls. 31% of buyer support, the market suitability of the bulls on offer and the competition of producers to secure high quality, proven performance, grey bulls credentialed well for stud and commercial herd improvement.

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ALL STARS

GLENGARRY MISS HANNAVAL 2642 (P)

Lot 7

GLENGARRY BELLE 2641

Lot 5

GLENGARRY MISS HANNAVAL 2637

Lot 8

S: HAMDENVALE CAMBELL 711/2 (H)

S: NEWBURRA GRAFTON 882 (H)

S: GLENGARRY G SUPER LOCKE MANSO 140 (H)

S: HAMDENVALE CAMBELL 711/2 (H)

S: NEWBURRA GRAFTON 882 (H)

S: GLENGARRY G SUPER LOCKE MANSO 140 (H)

S: GLENGARRY G MISS LYNETTE 2711

Lot 6

GLENGARRY SLIGHTLY 2656

Lot 9

GLENGARRY NARDIA 2706 (P)

Lot 10

S: HAMDENVALE CAMBELL 711/2 (H)

S: HAMDENVALE CAMBELL 711/2 (H)

S: HAMDENVALE CAMBELL 711/2 (H)

Lot 52

GLENGARRY CINDY 2651

Lot 51

GLENGARRY SACHA 2555

Lot 53

GLENGARRY DUCHESS 2740 (P)

S: CONDOR HONEYBEAR MANSO 404 (P)

S: CONDOR HONEYBEAR MANSO 404 (P)

S: CONDOR HONEYBEAR MANSO 404 (P)

S: HAMDENVALE CAMBELL 711/2 (H)

S: HAMDENVALE CAMBELL 711/2 (H)

S: HAMDENVALE CAMBELL 711/2 (H)

S: GLENGARRY G SUPER LOCKE MANSO 140 (H)

S: CONDOR HONEYBEAR MANSO 404 (P)

S: NEWBURRA GRAFTON 882 (H)

S: GLENGARRY G SUPER LOCKE MANSO 140 (H)

S: HAMDENVALE CAMBELL 711/2 (H)

S: NEWBURRA GRAFTON 882 (H)

S: GLENGARRY G SUPER LOCKE MANSO 140 (H)

S: GLENGARRY G MISS LYNETTE 2711

Lot 6

Lot 10

G. STEWART

H. PHILIPPS

www.glengarrybrahmans.com.au

Inspections Welcome

Scott Angel: (07) 4937 3541 - 0417 742 504
Geoff Angel: (07) 4937 3553
and well bred son of Elrose Philistine, made $44,000. Lawson Camm was pleased to see him go to the herd of Rob & Una Oates, Mt Brett, Comet.

Another two lots on and Cambil Cooper, another JDH Clanton De Manso son, this time a blue grey with great breed character, sire style, masculinity and natural muscling, made $42,000 selling to Gulf Coast Brahms, Normanton. He’s out of a great cowline as well, and looks a ‘sure fire’ quality bull breeder. Cooper was one of three very impressive sires, averaging $30,000, purchased at the sale for the Gulf Coast Stud bull production programme.

It was a very pleasing introduction for Bill & Tolma Camm and Lawson & Sophie Camm of Cambil Stud into the Wilangi Sale.

Forty Thousand Dollars was needed by David & Julie McCamley & Family, Palmal Brahms, Dingo to secure the attractive, blue grey, polled sire Willtony Bluestone. He’s also by Avee Jackson and carries some good old, proven, polled Lancefield bloodlines on his dam’s side. He’s a milk tooth of 800kg, backed by impressive carcass and fertility data.

Christopher Fenech, Fenech Grazing, Wowan also invested in a high quality, polled son of Avee Jackson. His purchase at $38,000, Willtony Brimstone, has excellent weight for age; 880kg at 24 months, and impressive carcass credentials, as well as obvious sire style.

Lanes Creek sold a 2yo, good bodied, robust sire, Willtony Keystone, by Elanora Park Wise Bubba, for $30,000. His new home is Stirling Station in the Gulf Coast bull breeding herd. The stylish, white grey sire prospect, Lanes Creek Bismark, a son of NCC Jabiru made $26,000. This heavy muscled, strong boned masculine type went to Howard Nobbs of Carnarvon Cattle Company, Springsure.

Lot 21 Glengarry Blue Vintage, the heaviest 2 tooth bull of the sale at 930kg made $21,000. He is a well bred son of show champion Carinya Rigby out of a JDH Datapack daughter, that has strong pigment and breed character. He went to Ray & Janice Fleming, Nosilla Brahms, McKinlay. Glengarry also recorded an $18,500 sale for Glengarry Mr Gulliver, a 2yo son of Maru Javas Manso that sold to Mick & Trish Sheahan, Sheahan Land & Cattle Co, Richmond. He is one of five bulls the Sheahans purchased from Glengarry averaging $13,000.

Early in the sale David & Julie McCamley of Palmal Brahms were in the bidding, selecting lot 6 Viva Benton for $20,000. He’s a big, long, blue grey bull with a good head and muzzle. A.J. & Pam Davison of Viva Brahms, Middlemount re-invested exactly the same amount, $20,000, later in the sale purchasing Lanes Creek Landmark, a 785kg son of JDH Martin Manso bred out of the top producing Tartrus Cindy Manso 6776 dam. Landmark had one of the Sale’s biggest EMA scans of 143 sqcm.

Ron & Bev, Robert & Mandy White of Wilangi Brahms also purchased a strong sire type out of this high profile cowline from Lanes Creek. Their selection was Lanes Creek Denmark, a big, correct, well fleshed bull of extra length that hit the scales at 800kg. The Whites may have got a bargain in this JCC Mr Madison Manso son at $14,000.

Willtony Brimstone, a $38,000 purchase at the Wilangi Invitation Sale is handled by Corrine Rockemer while Vendor Brian Hughes of Lanes Creek Brahms, Georgetown congratulates Christopher Fenech of Fenech Grazing, Wowan on his selection of this quality, poll sire.

Andrew & Roxanne Olive’s 986kg, 143 sqcm EMA, and 5.5% IMF bull Raglan Avon, sold early in the sale, is a beef powerhouse with his combination of growth, length, muscle expression and big hindquarter. He made $15,000, and they were delighted when Matt Kirk, Ticoba, Mundubbera was announced as the buyer of this son of El Ja Alax Manso. Stewart & Kerry Wallace, Wallace Brahms achieved $16,000 for a smart 2yo son of Elrose All Rounder purchased by Viva Brahms, while fellow sale vendors Andrew & Roxanne Olive,
Raglan Brahman sires were also in the market, selecting for $17,000, Willtony Hailstone, a rising 2yo, 800kg polled sire prospect.

Industry prominent breeders of quality Brahman sires from a wide geographic area, buoyed by a positive upturn in cattle prices during 2016, took the opportunity to invest in genetically strong, high beef performance sires, ready to put straight out to work in better seasonal breeding conditions than had been evident in the last few years. Luke Quartermaine selected 7 strong bulls for his family’s Watson River Station at Weipa at an average of $7,215. Repeat buyers Day Cattle Company of Nebo again selected a quality line of 6 bulls averaging $8,915. Matthew Salmond was at the sale for Lestree Downs Pastoral Co, Clermont and bid strongly to secure 4 bulls at an $8,250 average, while Belyando area cattleman Carl Martel of Wilandspey Station took home two well credentialed young sires of excellent bloodlines from Glengarry and Wallace Studs, at $12,500 and $13,000 respectively.

In the west, Elders representative Scott Taylor handled the bidding to purchase 3 impressive sires for his client Elliott Investments of Winton, while highly regarded cattleman Rob Flute of Richmond put together a line of 3 top class sires averaging $13,665. His top purchase at $15,000 was a son of JDH Clanton De Manso.

Many repeat buyers again supported the unique herd bull section of the sale with bulls offered in optional pen lots. Pens of three bulls sold up to a top price of $8,500 per bull for a pen of 3 polled Raglan bulls, with other pen multiple lots selling to $7,000 per bull (Wilangi), $8,000 (Wallace) and $7,000 (Viva).

The sale was backed by numerous volume buyers who shopped at all price levels. “It was pleasing to see a greater number of volume buyers, encouraged by the much larger selection choice of bulls this year, returning to the sale and bidding strongly across a wide price range throughout,” Ken McCaffrey of McCaffrey’s Australian Livestock Marketing said, “excellent line of bulls went to buyers from Central Queensland, peninsular areas, Julia Creek, Herbert River, Greenvale/Mt Garnet area and local Charters Towers districts,” Among them were Van Rook Station (28 bulls $3,820 av.), Crisp Pastoral (15 bulls $4,465 av.), Conjuboy Pastoral Co. (12 bulls $11,915 av.), Valley of Lagoons (10 bulls $5,300 av.), L & M Blacklock (10 bulls $5,600 av.), Galloway Plains (10 bulls $8,200 av.), Nosnillor (9 bulls $3,000 av.), Herbert Hall Enterprises (8 bulls $9,435 av.), etc.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Gross Average</th>
<th>Average</th>
<th>Top</th>
<th>Description</th>
<th>Gross Average</th>
<th>Average</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>49</td>
<td>Premier Select Stud Sires</td>
<td>$843,500</td>
<td>$17,215</td>
<td>$100,000</td>
<td>Registered Sires</td>
<td>$738,000</td>
<td>$8,290</td>
<td>$30,000</td>
</tr>
<tr>
<td>89</td>
<td>Total Stud Registered Bulls</td>
<td>$1,581,500</td>
<td>$11,460</td>
<td></td>
<td>Herd Bulls</td>
<td>$508,500</td>
<td>$4,750</td>
<td>$8,500</td>
</tr>
<tr>
<td>245</td>
<td>SALE TOTAL</td>
<td>$2,090,000</td>
<td>$8,530</td>
<td>99% Clearance</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**SALE RESULTS**

Wilangi Sale lifts with increased offering

**DESTINE FOR BRAHMAN WEEK**

**RBWS 2017**

**WEST OAK BRAHMAN STUD**

**EXTREME POWER 016 (P) (AI)**

S: GLEN OAK MR BO JANGLES (IVF) (P)
D: GLEN OAK MISS CE CE (H)
NQ cattleman judges Brahmans at first class Thailand show

President of the Beef Cattle Association of Thailand Mr Soonthorn Nikomrut (right) made a presentation to Barry and Tammy Hughes, Tambar stud, Forsayth at the BCAT show in Thailand in December 2016 where Barry judged the Brahman cattle.

Judge Barry Hughes, Tambar stud, Forsayth (third right) is pictured with one of his class winners at the Beef Cattle Association of Thailand show in December 2016.
SELLING SIX HEIFERS AT ROCKY ALL STARS ELITE BRAHMAN FEMALE SALE

SATURDAY 1ST APRIL 2017
11AM • CQLX GRACEMERE

UNRESERVED SALE

63 Females

Elders
ROCKHAMPTON 07 4838 9000
MICHAEL SMITH 0428 541 711
ROBERT MURRAY 0419 644 813

BUNCARRIBE BUNGARRIBE F1Z
SELLING SIX HEIFERS AT ROCKY ALL STARS ELITE BRAHMAN FEMALE SALE

BUNGARRIBE JALILAH 2275 (P)
S: FAIRY SPRINGS CALISTO 2957 (P)
D: BUNGARRIBE ANETHA 1782 (AI) (H)

LOTS 45 - 50 BEING 5 POLLED, 1 HORNED, SELLING ON 01 APRIL 2017
THE SIRES REPRESENTED IN THIS DRAFT ARE:
GARTHOWEN WARRIOR (AI) (P); FAIRY SPRINGS CALISTO 2957 (P);
FBC KINGSTON 133/1 (P), ALL POLLED BULLS.

We believe these are fairly handy heifers
and will go on to breed good calves.

JIM, BONNIE & HARVEY BESLEY
“Bungarribee” Barmoya Q 4702
M: 0419 660 848

VISITORS & ENQUIRIES WELCOME

E: besleyf1z@bigpond.com
INTRODUCTION

Some 60 percent of Australia’s beef cattle are located in the subtropics and tropics with cattle grazing pastures which have seasonal peaks and declines in digestibility and total digestible nutrients (TDN).

Compared to improved temperate pastures, the stocking rates, production/ha and reproductive rates are lower with tropical pasture and forages.

The nutritional problem centres around reduced total dry matter intake (TDMI) of pastures with lower levels of key nutrients, ie energy and protein and periodically low-marginal intakes of macrominerals.

Macrominerals are essential for the proper functioning of the animal and problems occur when the supply of key minerals do not meet the animals requirements. This may occur because the feed is low in minerals, the availability of the mineral is low or other minerals in the diet are antagonistic to mineral absorption by the animal.

A time factor is usually involved with mineral deficiencies. It may take from weeks to several months for a mineral deficiency to show symptoms but production can be compromised in the meantime. Many variables affect an animal’s mineral intake including soil and plant mineral compositions, climate, disease, stress and the production status of the animal.

Macrominerals are those that are required in relatively large amounts. This group consists of calcium (Ca), phosphorus (P), magnesium (Mg), sulphur (S), potassium (K) and sodium (Na).

This article outlines the macromineral requirements for beef cattle and discusses those minerals that most influence production and reproduction.

MACROMINERAL REQUIREMENTS

The macromineral requirements of beef cattle are shown in Table 1. Caution should be exercised when estimating and supplying mineral requirements because of the many interactions and ratios associated with various minerals. Furthermore, excess mineral supplementation can lead to mineral imbalances, reduce the absorption of minerals and cause toxicity problems.

FUNCTION OF MACROMINERALS

- PHOSPHORUS (P)

Approximately 70 percent of soils in Northern Australia are phosphorus deficient and phosphorus deficiency is probably the most common nutritional deficiency with cattle grazing tropical and subtropical pastures.

Phosphorus is present in many parts of the animal’s body and is an important part of chemical reactions involved in energy metabolism and transfer. Phosphorous requirements are subject to growth and production status with highest requirements for growing young stock and cows in their early lactation (Table 1).

Phosphorus works in conjunction with calcium because of their mutual roles in bone formation and metabolism. The recommended calcium to phosphorus ratios in beef cattle diets is 1.5Ca:1P to 2Ca:1P.

Deficiency of phosphorus results in decreased animal performance, including reduced weight gains, poor reproductive rates, low milk production and poor calf growth rates.

In the past phosphorus has been over supplemented to address deficiencies with excretions of excess phosphorus. Excess P does not compromise animal performance providing the correct Ca:P ratio is maintained.

Like calcium, phosphorus requirements are generally met in immature-growing pastures. P shortages occur in mature dormant and drought stricken pastures (Fig 1 and 2). Greatest responses to phosphorus

TABLE 1: GENERALLY ACCEPTED BEEF COW MINERAL REQUIREMENTS AND POTENTIAL MINERAL FORMULATIONS

<table>
<thead>
<tr>
<th>Mineral</th>
<th>Dry NRC requirements</th>
<th>Lactating cow</th>
<th>General formulation</th>
<th>High magnesium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium (%)</td>
<td>0.25</td>
<td>0.30-0.36</td>
<td>10-12</td>
<td>12-16</td>
</tr>
<tr>
<td>Phosphorus (%)</td>
<td>0.16</td>
<td>0.17-to 0.23</td>
<td>6-12</td>
<td>2-4</td>
</tr>
<tr>
<td>Potassium (%)</td>
<td>0.60</td>
<td>0.70</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Magnesium (%)</td>
<td>0.12</td>
<td>0.20</td>
<td>4-5</td>
<td>10</td>
</tr>
<tr>
<td>Salt</td>
<td>0.07</td>
<td>1.10-0.15</td>
<td>&lt;15</td>
<td>15-25</td>
</tr>
<tr>
<td>Sulphur</td>
<td>0.15</td>
<td>0.15</td>
<td>2-3</td>
<td>0-3</td>
</tr>
<tr>
<td>Iron (PPM)</td>
<td>50</td>
<td>50</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Manganese (PPM)</td>
<td>40</td>
<td>40</td>
<td>4,000</td>
<td>4,000</td>
</tr>
<tr>
<td>Zinc (PPM)</td>
<td>30</td>
<td>30</td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td>Copper (PPM)</td>
<td>10</td>
<td>10</td>
<td>1,200-2,000</td>
<td>2,000</td>
</tr>
<tr>
<td>Iodine (PPM)</td>
<td>0.5</td>
<td>0.5</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Selenium (PPM)</td>
<td>0.1</td>
<td>0.1</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>Cobalt (PPM)</td>
<td>0.1</td>
<td>0.1</td>
<td>30</td>
<td>30</td>
</tr>
</tbody>
</table>

a) Requirements are based on NRC 2000 recommendations. The values are expressed as a proportion of the total diet.
b) Formulations greater than 6-8 percent phosphorus may be unpalatable unless feed byproducts are added.
c) Provide additional salt if mineral intake is excessive.
d) ppm = parts per million
e) Macromineral intake is expressed as a percentage of TDMI and micromineral whole as ppm in the TDML.
Selling at Rocky All Stars Elite Brahman Female Sale

On Offer April 1st at Gracemere, lots 54 – 57: 4 Heifers, 3 Polled

54 KARIBOE VALLEY GYPSY 1001/6 (P)

A SOLID PERFORMANCE BY OUR KARIBOE VALLEY BULLS AT THE BIG COUNTRY SALE IN FEBRUARY. OUR 7 BULLS AVERAGED $12,000. THANK YOU ALL BUYERS AND UNDER BIDDERS.

MARK & TARSH ALLEN
Kariboe Valley, Thangool Q 4715
Telephone: 07 4995 1208
MARK: 0427 951 206
TARSH: 0409 475 720
Email: kariboevalley@activ8.net.au

KARIBOE VALLEY
K. D. BRAHMAN

37 KARIBOE VALLEY GOLDIE 977/6 (P)

Rocky All Stars Elite Brahman Female Sale
Selling 4 Heifers April 1 Lots 23 - 26

Lot 24
Eureka Creek
CHER
DOB: 05.08.2015
S: JOH MARTIN MANSO (MP 17) (H)
D: EUREKA CREEK GEMMA (H) (ET) (A)

Lot 25
Eureka Creek
MINTIE
DOB: 04.08.2015
S: JOH MARTIN MANSO (MP 17) (H)
D: EUREKA CREEK GEMMA (H) (ET) (A)

Lot 26
Eureka Creek
MALITHA
DOB: 13.08.2015
S: JOH MARTIN MANSO (MP 17) (H)
D: EUREKA CREEK GEMMA (H) (ET) (A)

Lot 23
Eureka Creek
ATHENA
DOB: 17.11.2015
S: JOH ALTON MANSO (MP 15) (H)
D: EUREKA CREEK GEMMA (H) (ET) (A)

For more photos of our Heifers visit us on Facebook

Becky Wilson, Brandi Kelly & Family Monto Queensland 4630 • Becky 0418 718 677 • Brad 0417 742 099 • e: eurekacreekbrahman@outlook.com
supplementation is only obtained when P is the primary limiting nutrient.

“Deficiencies in energy and protein reduce responses to phosphorus”

It is common that phosphorus pasture levels in the wet season are 1.8-2.4gms/kg DM. Studies show that despite adequate P intakes in the wet season, there are positive responses to phosphorus supplements due to the higher P requirements for increased growth and milk production due to higher intakes of energy and protein.

Mature cattle can draw on phosphorus reserves in the bones but skeletal phosphorus must be replenished. Additional phosphorus in the wet period assist stock to replenish their depleted bone reserves.

Frequently, due to convenience, phosphorus is supplemented in the dry periods when P levels in pastures are low. Responses however to P supplementation are compromised unless there are additional sources of energy and protein (eg fortified mineral supplement, vegetable protein, molasses and urea).

Dietary deficiencies of P may be rectified by direct supplementation or the application of superphosphate fertiliser to pastures.

Research in Queensland has shown that the addition of superphosphate to grass-legume pastures increased animal production due to the higher proportion of legumes in the diet providing higher intakes of energy and protein. Studies suggest that the compounds of superphosphate, Ca, P, S either singularly or in combination influenced plant composition and digestibility increasing total dry matter intake (TDMI) with increased intake of total digestible nutrients (TDN) thus improving animal production.

Forages are generally lower in P content than concentrate feeds (eg cereal grains, cottonseed meal). Phosphorus levels are low in stored matured forages and due to reduced TDMI phosphorus supplementation is required.

Sources of supplemental P include dicalcium phosphate in grain mixes and phosphoric acid in molasses-urea-protein supplements.

• CALCIUM (CA)

“Calcium and phosphorus requirements need to be considered together”

The most important feature of calcium nutrition is the ratio of calcium to phosphorus. The ideal Ca:P ratio is 1.5:1P to 2Ca:1P, If the ratio of phosphorus exceeds calcium, the absorption of calcium in the digestive tract is reduced and the animal will mobilise calcium from the bone.

Critical times to ensure that diets contain adequate calcium levels are during pregnancy (for proper bone growth of the foetus) and during early lactation to prevent excessive Ca metabolism from the bone of lactating cows. Excessive Ca metabolism from the skeletal system of the cow (particularly high producing mature cows) can lead to milk fever.

Calcium requirements change depending on the animals age and production status (Table 1) eg non lactating cows require approximately 20 per cent less calcium than cows heavy in milk.

“Compared to grains, pastures contain higher levels of calcium”

Calcium is generally adequate in forages (especially legumes) but phosphorus can be marginal and a mineral supplement that is higher in P than Ca is necessary to keep the P ratio in the desired range (Table 3). If the Ca:P ration exceeds 10:1 or phosphorus remains deficient reduced growth, feed efficiency and reproduction will result. Cattle can tolerate high calcium concentrations if other minerals are adequate in the diet.

For cattle on a high concentrate diet, the opposite problem exists. Most cereal grains

NOTE:
1) Phosphorus levels in plants are closely aligned with plant energy and protein levels ie nitrogen concentrations peaking in the growing season and declining in mature and dormant pastures.

2) Limitations of other minerals (eg Ca, Cu, Co, Mo, Se and Zn) may also limit animal responses to P Supplements.

3) Even with adequate P in green pastures, the performance of animals increases with P supplements due to the higher mineral requirements caused by increased production.

4) Greatest responses to P supplements occur when other minerals and nutrients (energy and protein) are not deficient.
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Lot 12 Avee 766 (P)

Avee
BRAHMANS

BILL & VICKI GABEL
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Wowan QLD 4702

P: (07) 4937 1341
M: 0418 882 844
E: GABEL55@BIGPOND.COM
Sulphur is present in protein and certain
compared to low roughage-high grain diets. The consumption of salt is higher in high roughage-low grain diets
of cattle. The consumption of salt is higher in high roughage-low grain diets
pastures. Silage fed cattle have higher intakes of
pastures. Silage fed cattle have higher intakes of
milk production resulting in increased
levels in drinking water (1.5-2.0 per cent)
providing there is an adequate supply of
milk can result in reduced feed intake and weight
toca and uptake of nutrients. Excess sulphur interferes with the metabolism of selenium, copper, molybdenum and thiamine (B vitamin). Sulphur toxicity is characterised by restlessness, diarrhoea, muscle twitching and laboured breathing. In severe cases there is inactivity and death.
High levels of tropical forages particularly mature pastures particularly mature pastures and forages grown on sulphur deficient soils (eg basalt) can accelerate the onset of grass tetany
requiring magnesium supplements.
Most pastures, particularly mature grasses, contain adequate levels of potassium. Temperate grasses and clovers contain excess levels of K which inhibits Mg absorption and can accelerate the onset of grass tetany requiring magnesium supplements.
Tropical legumes and forages and conserved feeds made from those plant are relatively low in potassium and when fed with grain supplements require potassium supplements.

| Table 2: Phosphorus intake of grazing beef cows (400-450kg) on different pastures |
|---------------------------------|-------|----------|----------|
| **(A) MATURE RANK PASTURE**     |       |          |          |
| Kg Intake                       | P Content (GMS/KG) | Total P (GMS) |
| Pasture dry matter intake (1.5% of BW) | 7      | 1.5      | 10.5    |
| Energy protein and mineral supplement | 2      | 10.0     | 20.0    |
| **(B) IMMATURE PASTURE**        |       |          |          |
| Pasture dry matter intake (2.5% of BW) | 11     | 2.4      | 26.4    |
| High P + salt                   | 130 gms | 25.0     | 3.2     |

| Table 3: Types of mineral mixes and their application |
|---------------------------------|--------|----------|
| **C a & P Mixtures**            | **Uses** |
| No calcium & high phosphorus    | High quality pastures especially legumes |
| Equal part calcium & phosphorus P soils | Tropical grasses and forages and pasture growth or low-marginal |
| High calcium & low phosphorus   | High grain-low roughage diets particularly if the roughage comprises of mature pastures and grassy hay |

Note: Whilst there is limited information on tolerance levels to excess calcium levels, it is important to ensure that other minerals are not limiting.

Vitamins and other organic compounds. Sulphur is used in detoxification reactions and is required by rumen microorganisms for growth and normal cell function.

Diets in beef cattle require 0.15 per cent sulphur and dietary levels above 0.4 per cent are potentially toxic.

Excess sulphur interferes with the metabolism of selenium, copper, molybdenum and thiamine (B vitamin). Sulphur toxicity is characterised by restlessness, diarrhoea, muscle twitching and laboured breathing. In severe cases there is inactivity and death.

Sulphur deficiencies reduce feed intake, microbial protein synthesis depressing growth and weight gains. Deficiency signs are weight loss, weakness, profuse salivation and death.

Studies suggest that sulphur supplementation of tropical pastures particularly mature pastures improved total matter voluntary intake (TDMI) and forage digestibility resulting in the intake total digestible nutrients (TDN). Cattle grazing pastures on sulphur deficient soils (eg basalt) respond to sulphur supplements.

Cereal grains are generally lower in sulphur than protein meals. Diets comprising of high levels of tropical forages particularly mature forages and forages grown in sulphur deficient soils respond to S supplements. Diets involving corn silage and in rations where true proteins are replaced with non protein nitrogen (eg urea) sulphur supplements are necessary.

Bore water can provide a high source of sulphur and often are responsible for excess intakes of sulphur.

Sulphur supplements include sodium sulphate, ammonium sulphate, calcium sulphate, potassium sulphate and magnesium sulphate.

**Potassium (K)**

Like sodium, cattle require potassium in light amounts for normal functioning. Potassium is involved in acid base balance, osmotic pressure regulation, water balance, muscle contractions, nerve impulse transmission, enzyme reactions and oxygen and carbondioxide transport in the blood.

Potassium deficiency results in non specific symptoms such as poor appetite, lowered body weight, rough hair coat and muscle weakness. The body stores of potassium are low so K deficiencies can happen quickly.

Studies of 10 different tropical grasses in South East Queensland and a separate study in North East Queensland showed that tropical pastures were consistently low in potassium.

Subsequent studies with tropical grasses and sodium supplements found that cattle had increased weight gains and increased milk production resulting in increased growth rates of the calves.

Cattle will consume more salt when the forages are young and succulent compared to rank mature pastures. Silage fed cattle have higher intakes of salt compared to hay fed cattle. The consumption of salt is higher in high roughage-low grain diets compared to low roughage-high grain diets.

**Sulphur (S)**

Sulphur is present in protein and certain...
Concentrate rations comprising of grain and plant proteins are low in potassium (0.30-0.60 per cent) and in high grain-low roughage diets particularly when the roughage comprises of tropical grasses and forages, potassium supplements are recommended.

In mature and dormant pasture or pastures receiving high rainfall which leaches K from the plant, potassium supplements may be beneficial particularly if high levels of grains are fed.

Potassium levels of 0.6-0.7 percent are necessary for optimal performance and in most instances potassium can remedy deficiencies.

Cattle stressed due to transporting long distances can respond positively to K supplements to replenish lost body reserves.

- **MAGNESIUM (Mg)**
  Approximately 65-70 percent of magnesium in the body is found in bone, 15 percent in muscle, 15 percent in other soft tissue and 1 percent in extracellular fluid. Magnesium is important for enzyme activation, glucose breakdown, nerve impulse transmission and skeletal development.

  Forage magnesium levels depend on plant species, soil Mg levels and stage of plant growth. Legumes usually contain more Mg than grasses. Whilst most forages usually contain adequate levels of Mg, immature-lush pastures generally have low levels of Mg which can lead to grass tetany requiring Mg supplements.

  Symptoms of grass tetany include frequent urination, erratic behaviour, convulsions and, if left untreated, lead to death.

  Young cattle can mobilise large amounts of Mg from bone but mature cattle are unable to do this and must receive adequate supplies from the diet. Mature beef cows in early lactation are prone to grass tetany when grazing lush temperate grasses and legumes.

  Prevention of grass tetany and Mg shortfalls involves mineral mixtures containing magnesium oxide and/or magnesium sulphate with suitable levels of salt. Animals with grass tetany respond to an intravenous injection of calcium-magnesium gluconate.

  “High intakes of Ca and P reduce the availability of Mg and high levels of K interfere with the utilisation of Mg”

In general Mg toxicity is not a problem with beef cattle with concentrations up to 0.4 per cent being tolerated. Excessive Mg intake can result in severe diarrhoea, sluggish appearance and reduce feed intake.

  Cereal grains contain approximately 0.11-0.17 per cent Mg and plant protein meals can be twice as high. It is recommended that cattle grazing lush temperate pastures and a grain supplement are provided Mg supplements (eg magnesium oxide). Magnesium oxide is also a suitable buffer when cattle are introduced to grain diets.

  Magnesium sulphate and magnesium oxide are good sources of Mg. Supplements can be offered at 2-4 per cent of the supplement but increased to 10 per cent if grass tetany is suspected. High levels of Mg supplements can however lead to increased feed refusals of grain supplements.

**BOTTOM LINE**

Macrominerals are responsible for important physiological functions in beef cattle and therefore must be supplemented when the diets are deficient or when there are incorrect balances of minerals.

Macrominerals are required in relatively large amounts compared to microminerals and are often expressed as a percentage of total dry matter intake (TDMI) or as gms/kg.

The main macrominerals required by beef cattle are phosphorus (P), potassium (K), sulphur (S), magnesium (Mg), sodium (Na) and calcium (Ca).

Effective mineral supplementation programs depend on:-

- Having a good knowledge of the mineral requirements of various classes of stock
- Full information regarding the mineral content of feeds
- Understanding the composition and bioavailabilities of mineral supplements
- Designing supplementation of minerals in the correct amounts and ratios to avoid metabolic disorders and toxicities
- Feeding supplements safely by proper mixing to allow correct levels of mineral intake
- Ensuring that macromineral intakes are below the maximum tolerance levels
- Avoiding mineral imbalances that reduce the absorption and effectiveness of other minerals
- Recognise that responses to mineral supplements depends on other nutritional factors eg sufficient levels of energy and protein in the diet when supplementing phosphorus.

**FURTHER READING**


OUTSTANDING PERFORMANCE

TWO BIG SALES
WILANGI 2016 AND
BIG COUNTRY 2017

THANK YOU

CAMBIL BUYERS – BIG COUNTRY 2017
Purchaser | Lots
---|---
RL & LM Bethel | 294
TNU & LF Bethel | 389
L & MA Blacklock | 387
KR & DM Bush | 385
Camm Cattle Co | 164, 165, 166, 167, 168, 169, 171, 172, 284, 288
Conjugboy Pastoral Co | 391
B Darcy | 289
RL & SA Everingham | 163
Hammer & Co | 162
AR & JA Hay | 4
Heslin & Sons | 384
Kirkton Brahmins | 290
KA Knuth Investments | 386
Koon Kool Pastoral Co | 3
Leichhardt Brahmins | 286
Lindfield Cattle Co | 5
Nobbs Cattle Co & John Kirk & Co | 285
Oline | Brahmins | 161
DC & HA Stevens | 291
Tom Sheahan & Co | 390
Tropical Cattle Brahman Stud | 170
Welcome Downs Cattle Co | 287
Winiddancer Brahmins | 292

CAMBIL BUYERS – WILANGI 2016
Purchaser | Lots
---|---
Day Grazing Co | 170
D Elliott Investments | 172
Elrose Enterprises | 27
R Flute | 28, 32
Gipsy Plains Cattle Co | 33
Gulf Coast P/L | 31
Herbert Hall Enterprises P/L | 36
Lestree Downs Pastoral | 35
Malanbar Grazing | 34
RE & UT Giles | 29
Tiny Downs Pastoral Co | 30, 169, 171

Thanks to PETER & MARIA CAMM from Camm Cattle Co for their purchase of Cambil Hawkins for $94,000 and thanks to JOHN KIRK from Carinya, BRETT NOBBS from NCC, for their purchase of Cambil Ascot Manso for $66,000 at the Big Country Brahman Sale 2017.

Thanks to RODGER & LORENA JEFFRIES from Elrose for their purchase of Cambil Apollo Manso for $70,000 at the Wilangi Invitational Sale 2016.

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SOLD IN BOTH SALES
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under bidders and
supporters at both the
WILANGI INVITATION SALE 2016
and the
BIG COUNTRY BRAHMAN SALE 2017
Nutrition – Macrominerals for Beef Cattle

APPENDIX 1

TABLE 1: SOURCE, EMPIRICAL FORMULAS, MACROMINERAL CONCENTRATIONS AND RELATIVE BIOAVAILABILITIES OF COMMON INORGANIC MINERAL SOURCES

<table>
<thead>
<tr>
<th>Supplement</th>
<th>Empirical formula</th>
<th>Mineral concentration (%)</th>
<th>Relative bioavailability (RV)</th>
<th>Mineral availability (% OF DM)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CALCIUM</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calcium carbonate</td>
<td>CaCO₃</td>
<td>38</td>
<td>100</td>
<td>38.00</td>
</tr>
<tr>
<td>Calcium chloride (dehydrate)</td>
<td>CaCl₂(H₂O)</td>
<td>31</td>
<td>125</td>
<td>38.75</td>
</tr>
<tr>
<td>Dicalcium phosphate</td>
<td>Ca₂(PO₄)₂</td>
<td>20</td>
<td>110</td>
<td>22.00</td>
</tr>
<tr>
<td>Limestone</td>
<td></td>
<td>36</td>
<td>90</td>
<td>32.40</td>
</tr>
<tr>
<td>Monocalcium phosphate</td>
<td>Ca(PO₄)</td>
<td>17</td>
<td>130</td>
<td>22.10</td>
</tr>
<tr>
<td><strong>MANGANESE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manganese sulphate</td>
<td>MnSO₄(H₂O)</td>
<td>30</td>
<td>100</td>
<td>30.00</td>
</tr>
<tr>
<td>Manganese carbonate</td>
<td>MnCO₃</td>
<td>46</td>
<td>30</td>
<td>13.80</td>
</tr>
<tr>
<td>Manganese dioxide</td>
<td>MnO₂</td>
<td>63</td>
<td>35</td>
<td>22.05</td>
</tr>
<tr>
<td>Manganese monoxide</td>
<td>MnO</td>
<td>360</td>
<td>60</td>
<td>36.00</td>
</tr>
<tr>
<td><strong>PHOSPHORUS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium phosphate</td>
<td>NaPO₄</td>
<td>Variable</td>
<td>Variable</td>
<td>Variable</td>
</tr>
<tr>
<td>Defluorinated phosphate</td>
<td>Variable</td>
<td>12</td>
<td>80</td>
<td>9.60</td>
</tr>
<tr>
<td>Dicalcium phosphate</td>
<td>CaHPO₄</td>
<td>18</td>
<td>85</td>
<td>15.30</td>
</tr>
<tr>
<td><strong>MAGNESIUM</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Magnesium sulphate</td>
<td>MgSO₄</td>
<td>20</td>
<td>100</td>
<td>20.00</td>
</tr>
<tr>
<td>Magnesium acetate</td>
<td>MgC₂O₂H₄</td>
<td>29</td>
<td>110</td>
<td>31.90</td>
</tr>
<tr>
<td>Magnesium basic carbonate</td>
<td>MgCO₃</td>
<td>31</td>
<td>100</td>
<td>31.00</td>
</tr>
<tr>
<td>Magnesium oxide</td>
<td>MgO</td>
<td>55</td>
<td>100</td>
<td>55.00</td>
</tr>
</tbody>
</table>

**TABLE 1: EXAMPLE OF MINERAL MIX FOR LACTATING BEEF COWS**

<table>
<thead>
<tr>
<th>MINERAL</th>
<th>125GMS/HEAD/DAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>MACRO</td>
<td></td>
</tr>
<tr>
<td>Calcium (Ca)</td>
<td>10-15%</td>
</tr>
<tr>
<td>Phosphorus (P)</td>
<td>4-8%</td>
</tr>
<tr>
<td>Sodium (Na)</td>
<td>15-20%</td>
</tr>
<tr>
<td>Magnesium (Mg)</td>
<td>1%</td>
</tr>
<tr>
<td>Sulphur (S)</td>
<td>0.50%</td>
</tr>
<tr>
<td>MICRO</td>
<td></td>
</tr>
<tr>
<td>Zinc (Zn)</td>
<td>0.03% (3000ppm)</td>
</tr>
<tr>
<td>Cobalt (Co)</td>
<td>0.001% (10ppm)</td>
</tr>
<tr>
<td>Iodine (I)</td>
<td>0.008% (80ppm)</td>
</tr>
<tr>
<td>Selenium (Se)</td>
<td>0.0025% (25ppm)</td>
</tr>
<tr>
<td>Copper (Cu)</td>
<td>0.12% (1200ppm)</td>
</tr>
</tbody>
</table>

**APPENDIX 2**

**TABLE 1: MACROMINERAL LEVELS IN VARIOUS FEEDS**

<table>
<thead>
<tr>
<th>FEED NAME</th>
<th>Ca</th>
<th>P</th>
<th>Na G/KG</th>
<th>S</th>
<th>Mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>• ENERGY SUPPLEMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wheat</td>
<td>0.6</td>
<td>4.0</td>
<td>0.2</td>
<td>1.3</td>
<td>1.0</td>
</tr>
<tr>
<td>Barley</td>
<td>1.0</td>
<td>4.0</td>
<td>0.2</td>
<td>1.8</td>
<td>1.4</td>
</tr>
<tr>
<td>Maize</td>
<td>0.3</td>
<td>3.0</td>
<td>0.6</td>
<td>3.9</td>
<td>1.0</td>
</tr>
<tr>
<td>Oats</td>
<td>0.8</td>
<td>4.3</td>
<td>1.8</td>
<td>1.8</td>
<td>1.4</td>
</tr>
<tr>
<td>Sorghum</td>
<td>0.4</td>
<td>3.0</td>
<td>0.2</td>
<td>1.8</td>
<td>1.4</td>
</tr>
<tr>
<td>Molasses</td>
<td>6.0</td>
<td>1.0</td>
<td>2.2</td>
<td>6.5</td>
<td>4.7</td>
</tr>
<tr>
<td>• PROTEIN SUPPLEMENT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canola meal</td>
<td>6.0</td>
<td>10</td>
<td>3.0</td>
<td>4.0</td>
<td>5.9</td>
</tr>
<tr>
<td>Coconut meal</td>
<td>2.2</td>
<td>6.6</td>
<td>0.4</td>
<td>3.6</td>
<td>3.3</td>
</tr>
<tr>
<td>Cottonseed meal</td>
<td>2.0</td>
<td>13</td>
<td>0.5</td>
<td>3.4</td>
<td>5.5</td>
</tr>
<tr>
<td>Safflower meal</td>
<td>4.4</td>
<td>14</td>
<td>0.4</td>
<td>0.6</td>
<td>3.3</td>
</tr>
<tr>
<td>Sunflower meal</td>
<td>4.0</td>
<td>8.0</td>
<td>5.0</td>
<td>1.0</td>
<td>8.1</td>
</tr>
<tr>
<td>• TROPICAL GRASSES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kikuyu early</td>
<td>2.6</td>
<td>2.4</td>
<td>2.6</td>
<td>2.0</td>
<td>2.3</td>
</tr>
<tr>
<td>Kikuyu late</td>
<td>2.7</td>
<td>2.7</td>
<td>0.3</td>
<td>2.8</td>
<td>3.5</td>
</tr>
<tr>
<td>Paspalum early</td>
<td>2.3</td>
<td>2.2</td>
<td>0.1</td>
<td>2.0</td>
<td>3.8</td>
</tr>
<tr>
<td>Paspalum late</td>
<td>4.2</td>
<td>4.0</td>
<td>1.2</td>
<td>1.0</td>
<td>2.8</td>
</tr>
<tr>
<td>Setaria early</td>
<td>2.1</td>
<td>1.3</td>
<td>3.0</td>
<td>2.0</td>
<td>1.6</td>
</tr>
<tr>
<td>Setaria late</td>
<td>2.9</td>
<td>1.5</td>
<td>3.4</td>
<td>1.0</td>
<td>2.2</td>
</tr>
<tr>
<td>Rhodes early</td>
<td>3.7</td>
<td>2.7</td>
<td>1.0</td>
<td>2.9</td>
<td>1.4</td>
</tr>
<tr>
<td>Rhodes late</td>
<td>2.2</td>
<td>2.0</td>
<td>0.8</td>
<td>2.7</td>
<td>1.5</td>
</tr>
<tr>
<td>• TEMPERATE GRASSES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ryegrass early</td>
<td>4.0</td>
<td>3.0</td>
<td>4.0</td>
<td>2.0</td>
<td>2.6</td>
</tr>
<tr>
<td>Ryegrass late</td>
<td>3.5</td>
<td>2.0</td>
<td>3.0</td>
<td>2.0</td>
<td>1.2</td>
</tr>
<tr>
<td>Oats early</td>
<td>2.7</td>
<td>1.8</td>
<td>2.1</td>
<td>2.0</td>
<td>1.9</td>
</tr>
<tr>
<td>Oats late</td>
<td>3.1</td>
<td>2.4</td>
<td>2.1</td>
<td>0.0</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**FEED NAME | Ca | P | Na G/KG | S | Mg**

| • TROPICAL LEGUMES | | | | | |
| Cowpeas early | 13.0 | 2.0 | 2.7 | 3.5 | 4.7 |
| Cowpeas late | 10.0 | 3.0 | 2.7 | 3.5 | 4.5 |
| Dolichos early | 6.8 | 3.1 | 0.6 | 0.0 | 2.8 |
| Dolichos late | 6.7 | 3.1 | 0.6 | 0.0 | 2.8 |
| • TEMPERATE LEGUMES | | | | | |
| Lucerne early | 16.0 | 3.5 | 2.2 | 3.3 | 2.6 |
| Lucerne late | 13.0 | 2.2 | 1.4 | 2.8 | 3.3 |
| Clover early | 17.1 | 4.0 | 1.1 | 2.1 | 2.5 |
| Clover late | 15.3 | 2.4 | 1.1 | 2.1 | 1.8 |
| • TROPICAL FORAGES | | | | | |
| Sorghum | 2.1 | 1.8 | 0.2 | 0.1 | 2.9 |
| Sudan grass | 4.6 | 2.1 | 0.2 | 0.6 | 5.1 |

| • HAYS TEMPERATE | | | | | |
| Ryegrass High ME | 4.0 | 3.0 | 2.0 | 2.0 | 3.2 |
| Clover high ME | 13.0 | 2.2 | 1.5 | 1.9 | 3.1 |
| Clover High ME | 14.8 | 3.8 | 2.0 | 1.7 | 5.1 |
| Clove Low ME | 16.0 | 3.0 | 2.3 | 3.3 | 2.6 |
| Lucerne High ME | 12.0 | 2.0 | 1.6 | 2.7 | 3.3 |
| Lucern Low ME | | | | | |

| • HAYS TROPICAL | | | | | |
| Seteria | 3.0 | 3.0 | 0.6 | 2.8 | 2.8 |
| Sorghum | 5.5 | 3.0 | 0.2 | 0.6 | 5.1 |
| Sudan grass | 5.6 | 3.0 | 0.2 | 0.6 | 4.0 |

| • SILAGE | | | | | |
| Maize | 1.6 | 1.8 | 0.2 | 0.8 | 1.7 |
| Oats | 4.1 | 3.3 | 12 | 2.0 | 2.3 |
| CL/Ryegrass | 10.0 | 3.0 | 3.5 | 2.0 | 5.5 |

**Note:** Total mineral intake depends on the digestibility and quality of the feedstuff. Subsequently, lower mineral intakes are experienced with tropical grasses, forages and legumes compared to temperate pastures and energy and protein supplements.
SPRINGHAVEN DEBUTANT CLAIMS GREAT SOUTHERN RING

Springhaven Brahman Stud would like to thank everybody for their support. We would like to thank the bidders and underbidders of our cattle, Elders, Hayes & Co, Tony Zischke and committee for inviting us to the sale.

Sire-DF Mr Snowman 91/9 (IMP US) (H) · Dam- Petrie Park Sonata de Manso (H)

David & Luke Allen 111 Spring Grove Rd, Spring Grove via Casino NSW 2470 Ph: 02 6683 2908 Mob: 0405 466 285 Email: lukesstorm1@hotmail.com

NSW STUD BRAHMAN FEMALE & F1 COMMERCIAL FEMALE SALE

Friday 28th April 2017 11am start - Casino Saleyards

VENDORS

Mogul
Mountana
Staben
Coliana
Misty Mountain
Lorinda
Jomanda

32
STUD FEMALES

400
F1 COMMERCIAL FEMALES

ENQUIRIES
Contact: Grant Bulmer, Eastern NSW Branch
02 6633 3231 or 0429 323 438
or Stacey Clark
0409 634 101

AGENT:
Wayne Bulmer
0428 661 167 or 02 6662 6662
admin@ramseybulmer.com.au

Ramsey & Bulmer
The exceptional results of the 24th Big Country Brahman Sale, held at Charters Towers in the first week of February, provided the Australian stud cattle industry with extremely positive indicators that 2017 markets will be buoyant for high quality, high performance beef cattle seedstock.

Recording a near $3 million sale result, Big Country selling agents Geaney’s and McCaffrey’s Australian Livestock Marketing achieved ‘best ever’ figures in a number of sale analysis categories, including its gross receipts being the highest ever recorded for a stud cattle auction sale of any breed in Northern Australia.

New sale records were set for both red and grey bulls, including total sale averages, sale gross, quantity of red bulls and of all females sold, along with total numbers sold, etc. Pleasingly for agents and vendors the results were all achieved on the way to an outstanding, overall sale clearance of 98%.

Importantly, bull buyers and cattle producers backed the initiative of the selling agents in cataloguing, offering and selling 60 more bulls (27% increase) compared to 2016. While Brahman breed enthusiasts welcomed with spirited competition, the re-introduction of a large scale high class, genetically appealing female presentation to sale proceedings.

“This record sale result has not materialised in one year, sale co-agent Ken McCaffrey said, “Big Country has always been an industry leader because of its innovations, policies, high standards and commitment to servicing vendors and buyers professionally every year since 1994. Plenty of bull sales have come and gone, deteriorated and regressed in that time, but the large number of long time repeat buyers, studmasters and commercial producers alike, who support this sale, confirms this signature event as the essential marketplace of top quality Brahmans for the beef industry in the north.”

Bidders and buyers, at the auction and online, came from a wide area including Northern Territory, New South Wales, Darling Downs, Longreach, Cloncurry, Central Burnett, Gympie, Atherton Tablelands, Gulf regions, Dawson Callide area, Central Western Queensland, Nebo, Mackay, Middlemount, Rockhampton, Julia Creek, Georgetown and Northern Goldfields and local areas.

The 900kg, milk tooth, poll grey sire Cambil Hawkins topped the Sale at $94,000. This son of poll sire Elrose Fair Play was inspected heavily by studmasters looking for a poll influence, and his combination of length, bone, breed character and quality attracted strong bidding. It was the sale’s biggest buyer, Peter Camm of Camm Cattle Co, who delivered the winning bid. Peter and his wife Maria and daughter Julia were at the sale to invest in a number of stud females and poll sires, to embark on a breeding programme at their Atherton Tablelands property to supply his company’s stations with replacement bulls. Peter Camm also outlaid $40,000 for Cambil Whitson, another poll Elrose Fair Play son of great muscle mass, high beef performance and excellent breed quality.

The next lot into the sale ring, Cambil Ascot Manso, was also an impressive prospect,
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scaling 870kg at 25 months. A big body volume youngster and very correct, Cambil studmasters Lawson & Sophie and Bill & Tolma Camm were pleased to see him sell for $66,000 to a partnership of John Kirk’s Carinya stud, Gayndah and Brett Nobbs’ NCC stud, Duaringa.

David & Julie McCamley of Palmal Brahmans enjoyed a tremendous sale result with their team of 9 grey sires averaging $17,945. Topping their draft at $46,000 was Palmal Django, a 966kg, 138 sqcm EMA, 27 month old son of successful sire Lancefield D Dynamic. Rodger & Lorena Jefferis of Erose Brahms, Cloncurry purchased this impressive, upstanding sire.

The red bull section was also topped by a poll, Lanes Creek Duragal, a rising 23 month old sire, bred from the ultra successful Kirstie cowline that has been a backbone of Brian & Cindy Hughes’ Lanes Creek stud red breeding programme for many years. Nick Dudarko, Kangarir stud, Biloela purchased this son of Fairy Springs Duracell for $44,000, attracted to his masculinity, breed character, and excellent muscle pattern.

As Cambil stud did in the greys, Lanes Creek stud also achieved in the reds, landing the quinella by selling the section’s second highest price bull at $42,000. Lanes Creek Sir Sorrento, also from the Kirstie cowline and again a poll, was the first purchase of 29 lots that Peter Camm of Camm Cattle Co. secured through the Big Country Sale. This fellow is all sire and all beef performance, weighing 834kg on sale day.

Sorrento’s three-quarter brother, Lanes Creek Sir Solomon, a poll again by JDH Sir Stratton Manso, is a standout on carcass type and carries a beautiful, strong, attractive head. Those qualities enticed the Harriman Family of G.I. Brahmans, Muttaburra to bid to $34,000 to take him home after inspecting him months ago on a trip to Brian & Cindy Hughes’ Georgetown based stud.

Beth & Remy Streeter of Palmvale Red Brahmans, Marlborough were at the sale and they invested in two new sires. Lanes Creek Sir Senator, a poll by JDH Sir Stratton Manso was their first purchase at $33,000 and, a little later in the sale, they bid to $21,000 for the well bred Somerview Bart, another quiet, quality, beautifully muscled young sire that topped the sale draft of Brian & Glenda Kirkwood’s Somerview stud.

Earlier in the red section of the sale, Darren & Sue Kent & Family of Ooline stud recorded a $38,000 price for their high class 2yo sire prospect Ooline Manziel. A long and impressive son of NCC Manuscript weighing over 800kg, he sold to the Cambil stud of Proserpine. Ooline also sold a 2yo, 854kg NCC Diplomat son for $24,000 to Gipsy Plains stud, Cloncurry, high weight performance bull by the same sire for $20,000 to the Venables Family of Ingham.

Peter Camm continued his investment in red poll sires from the Rockley stud team of bulls when he selected, for $35,000, Rockley Premium Platinum. This 2yo is a 775kg cream red son of Three D Platinum and is bred out of a leading cow of the Rockley stud that tracks back to Tartrus Redmount. He also outlaid $32,000 for Lanes Creek Duplex, a half-brother to Sir Sorrento, that he purchased earlier in the sale.

Mark & Tarsh Allen of Kariboe Valley Brahmans, Thangoool were first time Vendors at Big Country Sale. Their team of 7 strong red sires met solid demand from leading cattle producers. Kariboe Valley Quarterback, a big, 140 sqcm EMA, excellent red colour and high weight performer topped their draft at $28,000. He was purchased by regular sale buyers, the Keough Family, Welcome Downs Cattle Co., Einasleigh, one of 9 outstanding
Big Country sets north Australian stud sale records

quality red and grey bulls they secured at the sale averaging $14,665. The Keoughs also purchased Kariboe Valley Quigley, carrying an EMA of 142 sqcm, the equal biggest of all the sale’s red, 2 tooth bulls.

Julia Creek district cattleman and Brahman supporter Brett Hick of Lindfield Cattle Co. also invested in a quality Kariboe Valley red sire paying $24,000 for Kariboe Valley Quintrex, a poll of 830kg and 138sqcm EMA at 27 months.

The Allens reinvested a portion of their sale returns later in the day identifying a superbly bred JDH Sir Stratton Manso son from the Rockley draft for $17,000.

At over 900kg at 27 months, the big, strong breed type Carinya M Stanford, a lengthy poll son of Samari Plains Wexford was the $21,000 top seller for Matt Kirk’s Carinya M stud’s initial Big Country Sale team. This masculine fellow caught the eye of Nick Dudarko who purchased him for his Kangarun stud at Biloela.

Dave Roberts, Swans Lagoon, Millaroo invested in a number of Brahman sires during last Spring’s sale season and he was on hand at Big Country to select two bulls, including at $16,500, Somerton Hombre, the lead of the Dunn Family’s red draft of bulls at the sale.

In the greys, Elrose stud’s lone offering, Gillett, a youngster of attractive softness and great temperament, was a $23,000 purchase for Matt & Janelle McCamley’s Lancefield M stud and Scott & Lizette McCamley, Lancefield stud, Dululu in partnership.

That same price was paid by Peter Hall of Cloncurry for Palmal Aslan, a strongly bred and top carcass quality bull. He was one of a line of 5 impressive grey sires that Peter Hall selected at the sale averaging $15,000. Included in his purchases also, at $18,000, was Milestone Dudarko who purchased him for his Kangarun stud at Biloela.

Ben & Jaye Hall, Bibil, Muttaburra may have secured a real bargain at the sale in their $22,000 purchase of outstanding grey poll sire prospect Carinya Advantage. He’s a great temperament bull of good growth and excellent muscling, by Willtony Kilcoy (Poll) that’s certain to breed well in the Halls stud. The Keoughs of Welcome Downs were keen bidders on well credentialed grey sires paying to a $22,000 top price for the scarred Palmal sire, Donatello. Gavin Scott, Rosetta Station, Collinsville also purchased a Palmal grey for $17,000; and a little earlier he bid $20,000 for Lanes Creek Sir Stretton, a beautifully bred, strong boned, 724kg 2yo that recorded a 135 sqcm EMA scan.

Kelvin & Margaret Maloney, Kenilworth Brahms, Mt Coolon were at the summit of the global industry last year with their Big Country Sale world record price herd bull. They returned to the sale with another great draft of strong, grey, poll bulls that were again in high demand. Selling as unregistered herd bulls, their five averaged $15,400 and all sold in the five figure range. $18,000 topped their draft twice with Kenilworth 5044 going to Peter & Ann Woollett, Nardoo Station, Cloncurry and Kenilworth 5079 selling to Bill Mann, Hillgrove Pastoral Co., Charters Towers.

Lance and Karen Pope, Glenborough stud, Yabulu also outlaid $18,000 for Lanes Creek Sir Hunter Manso, an 812kg son of JDH Sir Harper Manso that topped the strong grey sire team Don & Julie Hurrell’s HH Park stud presented at the sale.

Other buyers of grey sires at $17,000 were Matt Kirk, Ticoba, Mundubbera who took home a 2yo Lanes Creek grey bull of strong pedigree and eye catching beef and breed quality, as well as Conjuboy Pastoral Co., Mt Garnet, whose purchase of Palmal Prado at that figure topped their sale selections of 6 grey averaging $11,085.

Jim Geaney, sale co-agent, pointed out that the Big Country Sale again enhanced its reputation as the value sale for all buyers and budgets, with affordability on offer across the board. “Notwithstanding we had a record number of lots sell in the five figure range at $10,000 and over, there were numerous, happy, commercial cattle producers putting excellent lines of red and grey bulls together, bidding from three to six thousand dollars,” Jim said, “in fact, 45% of the bull offering sold from three to five thousand dollars and accommodated the requirements of many discerning bullock breeders and volume buyers.”

Among the volume buyers were Burdekin Downs, Charters Towers (10 bulls $5,100 av), Mallapunyah Station, N.T. (12 bulls at $4,710), AH Pastoral Co., Homestead (11 bulls $4,545 av), Stevens Family, Julia Creek (18 bulls at $5,665 av) etc.

BIG BIDDING FOR BIG COUNTRY BRAHMAN BELLES

The re-introduction of a sizable offering of high standard, well bred stud heifers, and backed by a select, large scale line of attractive females from the Lanes Creek stud, hit the right note with studmasters and breed investors, producing spirited bidding and tremendous sale results for Big Country’s Brahman Belles section, held on the first day of the sale. It is the best multi-Vendor sale of Brahman females seen in the industry for some years with prices soaring to $21,000 and 14 of the young females realising $10,000 and better.

Brian Harriman of Reedybrook stud, Mt Garnet purchased the top heifer from the Lanes Creek draft of quality reds. This 19...
Big Country sets north Australian stud sale records

A month old is one of the first of the impressive progeny of the impeccably bred sire NCC Daltrey, and the fact that she is bred from the super Kirstie damline of the Lanes Creek stud, genetically sets her up for stud industry success at the highest level.

The Lanes Creek Ladies draft was extremely popular with buyers as they endeavoured to secure these proven grey and red genetics. Peter Camm of Camm Cattle Co. selected 23 tremendous grey and red heifers from the offering at an average of $7,390 to commence a bull breeding programme that will be utilised within the sizable herds of the Camm Cattle Co. organisation in Northern Queensland. His top purchase at $17,000 was Lanes Creek Razzle, a 21 month old JDH Sir Stratton Manso daughter. Lawson & Sophie and Bill & Tolma Camm’s Cambil stud of Proserpine took the opportunity to select a number of high quality, genetically strong red heifers from the Lanes Creek sale team including at $20,000 Lanes Creek Diamond (by JDH Stratton), at $16,000 Lanes Creek Kirstie (by NCC Rumpole), and at $10,000 Lanes Creek Kristy (by Fairy Springs Duracell).

Camille Trail, Bottle Tree stud, Baralaba travelled up to the sale and bid to $14,000 to land the eye catching Carinya Kirkwood grey heifer, Lanes Creek Niche. Another stylish grey heifer by the same sire, Lanes Creek Evita was an $11,000 astute purchase for the Jones Family of Milestone Brahmans, Charters Towers.

Clayton Curley of Gipsy Plains stud, Conculurry identified the smart poll red heifer Lanes Creek Duchess as a high class future matron and purchased her for $12,000, while Cody & Holly Sheahan, Midway Brahmans, Ingham also invested in two beautiful pedigreed red heifers, Lanes Creek Krystal at $10,500 and Ooline Miss Hope at $9,500.

Red studmasters Kelvin & Libby Harriman, Thagoona Brahman stud, Muttaburra selected an NCC Springbok heifer out of the Lanes Creek team for $9,000 and Tony Olsen of Lindley Park Brahmans, Mackay paid $8,000 for another attractive daughter of NCC Daltrey, also from Lanes Creek. $8,000 was also needed by Geoff Brown, Long Gully, Georgetown to secure Lanes Creek Jordanna, a 2yo red daughter of JDH Sir Stratton Manso.

John & Sue Joyce, Tropical Cattle Brahmans, Ingham were at the sale and found very good value in their purchase of 6 quality young grey females. Their top purchase at $7,000 was a 16 month old Elrose Fair Play heifer from the Cambil draft, and they purchased other attractively bred heifers from Maru, G.I. and Lanes Creek studs. Roland Everingham, Oak Park Station, Einasleigh and his son Roland Jnr, also put together an attractive line of 9 grey females at an average of $4,055 which was good buying on the day.

Agents: Geaney’s and McCaffrey’s Australian Livestock Marketing.

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# Big Country sets north Australian stud sale records

## TOP 20 BIG COUNTRY BULLS 2017

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## TOP 8 BIG COUNTRY BRAHMAN BELLES (HEIFIERS) 2017

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## BIG COUNTRY LEADING VENDOR AVERAGES

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March 2017 | 37
Close to 600 mourners were drawn to St Joseph’s Cathedral in Rockhampton on 28 December 2016 to celebrate the life of Ion Jackson.

Ion, principal of Jaffra Brahmans, Gracemere and Gogango, died on 19 December 2016, aged 65, after losing his battle with melanoma.

That so many friends and family turned out to support Ion’s wife Vicki and daughter Anna, spoke volumes of Ion’s character, the full life he lived, and the pleasure that he brought to those around him with his likeable personality.

Ion lived life passionately and was a “boots and all” person, being a successful husband and father, cattleman, musician and friend to many. While Ion had a successful career in music and was a passionate music lover, he will be most remembered by the wider community for his success in breeding Brahman cattle.

Ion was the middle child of five, of Colin and Una Jackson, Barwood, Cracow. Some of his earliest recollections were of accompanying his mother on horseback, tucked in front of her saddle. He would recount “war stories” of his attending boarding school at the early age of four, at the then Koongal Convent near the Lakes Creek meatworks. While Ion recalled the loneliness of seeing his parents drive away, he had fond memories of the nuns who, though strict, were compassionate to him.

Ion was always adventurous. At an early age he wandered off during a bushfire, attracting a search party from the Cracow community. Displaying practicality in times of adversity (which later became his trademark), Ion saw the logic of following a creek, where his father eventually came upon him as he emerged from the smoke haze.

Ion’s secondary education was at Rockhampton Grammar School. While he forged lifelong friendships there, he was eager to depart the classroom to embark upon his life with Brahmans. On leaving school, Ion worked with his parents and brother Colin, both in farming and beef production.

Although only a young boy when his parents established Jaffra Brahman stud in 1959, Ion shared their love of and confidence in the Brahman breed. As a young man he could recite pedigrees and the attributes or otherwise of the stud’s founding sires from the then household names in the industry, namely: Cherokee, Avondale and Burnside studs. Nothing changed over time, with Ion having a vivid memory when it came to Brahman pedigrees through the decades.

In 1983 Ion purchased Jaffra and continued to develop the stud’s bloodlines. As well as travelling to the United States to source new genetics, he was a trailblazer in also travelling to studs in Mexico and Brazil. His expertise was acknowledged overseas through his being invited to judge local cattle while on his travels.

As a Brahman breeder he was known to be a man with good cattle, not given to following fads, but always striving to develop functional bulls for commercial beef herds. Ion placed importance on ruthless culling and critical observation of cattle, which contributed to producing a quality female herd of which he was proud Ion’s successful life as a stud breeder is unsurprising, given his upbringing, but his career as a professional muso was a less obvious course. While at high school he taught himself to play guitar with the assistance of musician and songwriter Kevin Johnson. He played in the school band before embarking on a professional career as a bass player and singer. Initially he played with bands in Rockhampton and was a member of the resident band at Great Keppel Island Resort. Other venues were the Grosvenor and Park Avenue hotels (the “PA”) in Rocky where Ion played in the band up to seven nights a week in the late 60s/early 70s. As well as being a musician at that time he was still expected to pull his weight on the farm, often having to shift irrigation lines after arriving home in the early hours of the morning.

Ion’s band backed many young artists who have become household names, including John Farnham and Marcia Hines. Ion, always having an eye for fashion, was reported to have swapped his tie for Farnham’s Beatle boots.

Ion’s musical career took him to Brisbane where he was “spotted” after winning a talent quest at the Sunnybank Hotel, singing American Pie. Although Ion enjoyed his music he often remarked that the underworld and drug scene around Brisbane night clubs dampened his

Vale: Ion Jackson
A good life, well lived

by Lindel GREGGERY
enthusiasm. He recounted stories about men carrying guns across the crowded dance floor while the band played on, and Ion’s group was booked to play the infamous Whisky Au Go Go, within days of the deadly arson attack in March 1973.

Arrangements were in place for Ion and his group to move to Sydney to back The Deltones, but he decided it was time to rejoin the cattle industry. On returning to Rockhampton, Ion continued to play locally however his music career was gradually overtaken by the demands of Jaffra and his devotion to fatherhood.

Ion met his wife Vicki Palm in 1975 and they married in 1980. Although a country girl and known for her addiction to horses, Vicki was also studying law and working full-time at South Geldard Lawyers. In Vicki, Ion had found a partner who was able to share his interest in stud cattle and together they enjoyed many pilgrimages to bull sales in Townsville, and later, Charters Towers.

Although it took a little time for Vicki to initiate Ion into the show horse circuit, when he did, in his usual style, he embraced it enthusiastically and is well remembered on the sidelines of the show ring supporting Vicki. Together they travelled to shows anywhere between Brisbane and Townsville.

Ion was always supportive of and enormously proud of Vicki’s successful law career. While helping Ion clean bull pens at the Charters Towers sale yards in 2014 Vicki received a phone call advising of her having won the Agnes McWhinney award for lawyers. Vicki was quietly stunned but Ion told everyone who happened to come his way. Just three weeks before his death Ion accompanied Vicki to a function in Brisbane to celebrate with her as she received the Justice Lindenmayer prize for her contribution to family law. Vicki’s work gave them the chance to travel together to conferences and other professional events, where Ion’s capacity to be at ease with others from all walks of life was in evidence.

In 1988 Ion and Vicki welcomed their daughter Anna into the world. Anna recalls that Ion always put himself last, behind family, friends, cattle, and even complete strangers. He said “everyone’s a mate, until they give you reason to think otherwise!” She recalls him as a “hopeless romantic”; that he never found it “unnatural” to express feelings, and by the way Ion looked at Vicki he taught her what love looks like without words.

Ion was endlessly proud of Anna’s achievements and was overjoyed when her boss visited him in hospital to tell of the esteem in which Anna is held, not just as a lawyer at McInnes Wilson but also as a person.

Ion was diagnosed with a melanoma two years ago. He endured surgery on four occasions, radiation and immunotherapy. Throughout this time he gave strength to his family and endeared himself to his medical specialists and all those who cared for him.

Ion was still undertaking AI programs and travelling to Jaffra until two weeks before his death. He died with his boots on – he would have wanted it no other way. His stud Brahmans were his job, but more than that they were an abiding interest. There was no thought of a time when Ion would not work. Characteristically, when the bleak news of his uncertain future was delivered, his concern was not for himself but for Vicki and Anna, “his girls”.

This was a good life well lived – rest in peace Ion.

*This is an edited version of the eulogy written by Ion’s long-time friend Bill Westbrook.
A grey Kenrol heifer topped the Brahman section of the 2017 February All Breeds Sale, selling for $15,000.

The annual Rockhampton event, held at CQLX Gracemere, averaged $4602 for 122 bulls and $4088 for 40 heifers. The sire portion peaked at $13,000 for the used bull FBC Becker 191/1, offered by Lee and Gillian Collins, Wandilla stud, Marlborough.

The All Breeds Sale topper Kenrol Miss Summit 2816 is a 12-month-old daughter of JDH Summit Manso 941/1 (imp), out of the IVF dam Kenrol Lady Hershey 0388, who is by JDH Lord Hershey Manso (imp). She was offered by Ken and Wendy Cole, Kenrol stud, Gracemere, who averaged $4905 for 25 heifers. Miss Summit’s buyers, John and Sue Joyce, selected six Kenrol heifers at the sale to join their Tropical Cattle stud, Ingham.

The highest priced Brahman bull, $13,000 FBC Becker 191/1, was purchased by Lisle Holdings, Grosvenor Park, Kunwarara. The rising nine-year-old light red son of Topline Sire General Manso has produced a consistently high quality line of females and sons for former owners Lee and Gillian Collins. Becker was also used in the Brahman BIN Project and boasts an exceptional +78 EBV for 600-day-weight.

Lot 1 at the sale, Woodstock Geronimo, kicked off proceedings in a promising way, selling for $13,000 to be the top priced young sire. The 35-month-old polled red son of Samari Plains Lance was offered by Darren Wood, Woodstock Brahmans, Mt Jukes and sold to Pat and Brian Hills, NK stud, Theodore.

The highest priced grey bull, $12,000 Geneva Anthony Manso, was one of five bulls purchased by the Comerford family, Turrawulla, Nebo. The 33-month-old son of FBC D Mr Arnie Manso was presented for sale by the Pickersgill family, Geneva stud, Theodore.

The polled Aussie-blood red Neslo 4135 VK Dollar was the best seller from the Olsen family’s Neslo stud, Taroom. The two-year-old by homebred sire Neslo 3068 EK Red Viking RN was knocked down to Des Dahl, Brolga Valley, Baralaba.

Greg Hiette, Barambah stud, Darts Creek, offered five grey sons of FBC A Milton Manso. Commercial beef producers D. and C. Sivyer, Ogmore, outlaid $10,500 to secure Barambah Bandit Manso 229, and Jack Hamon paid $9000 for Barambah Carson Manso, one of five bulls purchased for Clifton Station, Calliope.

The top priced herd bull at a healthy $10,000 was Wandilla Helios 820/9, a three-year-old red son of Yoman 1426/6, knocked down to Lake Elphinstone Partnership. The Collins family also sold the top grey herd bull, Wandilla Halifax 817/9, who sold to Jellinbah Pastoral Co, Blackwater for $8000.

Also making $10,000 was Mackay High Mica Manso, the sole entry from Mackay High School. The weighty 29-month-old grey product of Lancefield S Warwick and Pioneer Park Julia Manso was bought by the Lawrence family, Kendah Enterprises.
HK STRETCH 732

US BASED SIRE SELLING AUSTRALIAN RIGHTS
HK stud used Stretch over their heifers prior to his sale to South America. The purchaser will have total Australian rights of which there are 700 straws.

HK STRETCH has not yet been used in Australia and is the only son released of HK Passport 244 (photo inset).

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FRIDAY 3.30PM - 5PM
COMPLIMENTARY DRINKS & SAVORIES 5 - 6PM

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Web catalogue available mid April at www.brahman.com.au
Gordon and Sandra Twiner, Miglo Brahmans, Biloela, bid $10,000 to secure Blue Blood Debonair, the best seller from Drewe and Kirsty Curtis’ Blue Blood stud, Mooloo. The IVF son of Lancefield Buster Manso and PBF Tatiana Manso 25/7 has a +57 EBV for 600-day growth.

“Long as a train” was how vendors Justin and Hayley Titmarsh described Lot 11, Reldarah Vince. The two-year-old polled red by Lancefield A Victory caught the eye of Melrose Grazing Co who paid $8500 for the lengthy bull, one of four head destined for Melrose, Morinish.

Starbra Mr Simbah was the lead bull from Gregg Davey’s Starbra stud, Gilldora. The Lancefield Signature son went for $8000 to Jellinbah Pastoral Co.

Another $8000 bull was Jaffra Solution 4836, a 40-month-old son of polled grey sire Jaffra Explorer, offered by Vicki Jackson. He sold to the Curran family, Spenbar stud, Condamine.

Young studmaster Remy Streeter, Palmvale R stud, Marlborough, received $7500 for Palmvale R Baxter, who is by polled parents Samari Plains Lance and KP Rosemont. He was one of three bulls purchased by Loch Pastoral Co.

Richard and Cynthia Stark, Bundaleer, Mundubbera, offered the lightly shown bull Bundaleer Sir Braxton, a grey son of Raglan Mosman. He sold for $7500 to A. and L. Parker, Clermont, who invested in five new sires.

As well as marketing the sale topper, Kenrol stud received the second best female price of $9000 for Kenrol Milly 2809. The 12-month-old polled grey daughter of Elrose Barocca and Kenrol Milly Rae 2644 (by Kenrol Mr HJ Ray 0366), sold to brothers Richard and Lawrie Butler who intend to start a stud on their floodplains property near Rockhampton. The Butlers were on the lookout for quality polled greys and also invested $8000 in the scurred Kenrol Miss Bounty 0413.

Tropical Cattle stud also had an eye for elite genetics, selecting six Kenrol females. Their draft included $7000 Kenrol Chera 2824, a feminine young heifer by Lancefield M Bounty Hunter and out of a Lancefield Signature granddaughter.

The highest priced red heifers, each selling for $6500, came from Letitia Nicolle’s Nioka stud, Wairialda, NSW. Both were polled daughters of Y3K Warlock 2003. Nioka Odessa sold to Rod and Lyn Sperling, Rodlyn, Bell and Nioka Psyche will join Olivia Price’s Red Stone Brahmans, Hillview Station, Hughenden. Red Stone Brahmans was the major female buyer, taking home nine polled heifers including three from Nioka and three from Eskwood stud.

Ingham for an average $6250 topping at $15,000 for Kenrol Miss Summit 2816 (AI) (H).
With only a few weeks until Christmas, Northampton cattleman Reg Teakle, who also has a lifetime invested in western rock lobster fishing, has a simple recipe for December 25.

“If so inclined, gents should enjoy a steak on the barbecue and treat their partners to a plate of lobster — it works every time,” he said.

Surf and turf, the iconic meal of steak and seafood, best sums up Mr Teakle’s career, which began in fishing and developed into his role as a Brahman studmaster.

Fishing and farming went well together for Mr Teakle and his wife Carole and their children, Nicole, Jerome and Timm.

While the couple are in their 38th year of running Oakvale Brahman stud, the boys are now skippering their own cray boats.

“They have become excellent businessmen in their own right and have a bright future,” the 73-year-old Mr Teakle said.

While holidaying as a child at Horrocks Beach, the young son of Ern and Beryl Teakle caught the fishing bug early, catching lobsters for his mum to serve up.

Living on his parents’ sheep farm, the young seaward adventurer also enjoyed a good game of tennis and during his teenage years met his soon-to-be bride at a Northampton tournament.

The newlyweds were quick to secure their own farm, buying an 800ha Northampton property in 1969, in which they named Oakvale, as their new home.

“At first we ran Merino sheep but droughts hit us hard,” Mr Teakle said.

While taking advantage of the local opportunity of mixing fishing into the income stream, Mr Teakle bought an A-zone Abrolhos Islands licence to sink pots at North Island.

“I paid $27,000 for a 25-foot boat with 75 pots which stretched us financially, only to find out that crays were selling very ordinary at the time.”

“To make matters worse, wethers were only selling for around $2 per head. But our endurance paid off as today a lobster pot licence is worth $70,000 each.”

Mr Teakle decided to switch to a B-zone coastal licence in 1976, at a cost of $36,000 and an increased 90 pots. He benefited in being much closer to his farm work.

“I was fishing off Port Gregory early in the morning and farming in the afternoon.”

A year later, the Teakles decided to introduce Brahman cattle to the property after buying two stud cows and a bull.

“In 1977, we began our Oakvale Brahman stud,” Mr Teakle said.

Mr Teakle’s cattle choice was a bit different to the norm but he knew that Bos Indicus cattle were better adapted to the drier environment of the area.

The Teakles also ordered a new $100,000 boat in 1980, named Nicole after their daughter.

“The bank manager said it would take me the rest of my career to pay off the loan but I managed to do it in three years with a lot of hard work,” Mr Teakle said.

The Teakles also invested heavily in Queensland Brahman genetics over the years but there was never much money in the local bull-selling scene.

At least the family were already familiar with the challenges of living off both land and sea.

“We sold bulls at the annual Broome sale for 21 years and after taking down the portable yards, we would all go to the Broome Cup — forgetting all our worries to just enjoy the lifestyle with our pastoral clients and mates,” Mr Teakle said. She was particularly fond of their annual trek to Broome’s big race because her father was the famous Geraldton jockey Lionel Patman who won several Northampton Cups.

“He would race on the weekend and work for the railroad as his regular job,” Mrs Teakle said.

“Country life was so simple but meaningful back in what I call the old days, when we didn’t have all the luxuries or stresses of today.

“We worked hard, but always had time for a well-spent overseas holiday with the family.”

With the Teakles’ son, Jerome, working as a deckhand, another boat was soon in the planning and at a cost of $840,000, at a time of high 23 per cent interest rates, the risk was huge and lobsters were only worth $10/kg.

But again the investment paid off and an interest rate dropped to 16 per cent just six months later and with good equity in the farm land, the Teakles were soon out of hot water.

With both boys capable skippers, Mr Teakle retired from the boats in 1992 but is still is on the board of both of his son’s businesses and is invested as a major shareholder.
Mr Teakle and Jerome visited China recently to inspect the Geraldton Fishermen’s Co-operative’s bonded warehouse which houses a 20-tonne capacity tank of live lobsters. “GFC’s lobsters are placed in ice slurry to sleep them and 36 hours later after an air flight to China, they are awoken for a swim in the tank,” Mr Teakle said.

“We visited the FishEx — China’s international fishing and seafood expo and were encouraged with the GFC’s Brolos brand topping the popularity list of more than 500 entries from all over the world.

“I think we have the best lobsters in the world.”

With GFC’s Brolos lobster fetching upwards of $70/kg and 6000 tonnes sold to China annually, the Teakles’ hard work over the years has fully materialised, but work towards further turf (cattle) rewards continues.

“Many pastoralists are still in financial difficulty over the decision to ban live exports to Indonesia in 2011,” Mr Teakle said.

“We continue to invest in quality genetics for our 150 breeder herd and at this year’s Fitzroy Crossing Bos Indicus Bull Sale, we bought a top poll grey Brahman bull for $10,000.”

Oakvale Brahman stud principal Reg and Carole Teakle have attended many cattle field days over the years.

Oakvale also purchased the $8500 top-priced red poll bull at the Barlyne stud, Gayndah, Queensland this year. “The outcross bull is one of the best double-polled Brahman bulls I have seen so far,” Mr Teakle said.

The Teakles, who sell upwards of 60 herd bulls annually, are planning to offer 20 red poll Brahman bulls at the April 12, 2017, Nangulu Invitational Bull Sale.
RFDS presented with proceeds from WBC 2016 charity auction

An auction of art works at the 2016 World Brahman Congress, Gala Dinner raised $11,900 in aid of the Royal Flying Doctor Service. Auctioneer Josh Heck from SBB Rockhampton is pictured with Felicity Rockemer selling a donated painting.
The Australian Brahman Progeny Test Project is a large scale sire progeny testing project for Brahman cattle and is coming to an end. The Progeny Test Project has been conducted by the Australian Brahman Breeders’ Association with funding assistance from the Meat & Livestock Australia Donor Company under the Beef Information Nucleus (BIN) program. A total of 75 Brahman sires were joined either by AI or natural mating to a commercial cow base over three years in three co-operator herds; Banana Station, Banana, Baradoo Station, Bauhinia and CSIRO Belmont, Rockhampton. All calves bred at Banana Station and Baradoo were by AI, while both AI and “back-up” bulls were used at CSIRO Belmont.

The female progeny from Belmont were transferred to Banana Station and run with the Banana Station heifers, while the Baradoo heifers remained at Baradoo to produce progeny which are managed commercially as one cohort and measured for a range of economically important traits. All steer progeny were transferred at weaning to Banana Station, where they were run together and finished on grass to Jap Ox weight. The high quality performance data provides head-on-head comparison between the young and proven sires progeny which is analysed in the Brahman BREEDPLAN analysis.

Performance data has been collected on 844 steers and 949 heifers for the Brahman BREEDPLAN traits for weight, carcase scanning and flight time. Structural soundness assessments were also conducted on these animals. Steers and heifers were scanned for rib fat, rump fat and eye muscle area (EMA). The female progeny have been retained in the project for their first two calves with joining information to be submitted to BREEDPLAN for use in the calculation of Days to Calving EBVs. Heifers from the first two cohorts have had the opportunity to have two calves and joining data has been submitted to BREEDPLAN. The third and last cohort is currently being mated for the second joining. All females were joined for 12 weeks in each of the matings during the project on both Banana and Baradoo.

Full MSA chiller assessments have also been conducted on the carcases of all the 844 steers from the three cohorts. Meat samples from all of these carcases have been analysed by the UNE meat science laboratory for tenderness, cooking loss, meat colour and intramuscular fat percentage (IMF%). The tables below allow a look at some of the results from the data collected on the steers for carcase traits.

The slaughter data results are presented in Table 1 and summarise the average for age, carcase weight, fats and EMA over the six slaughter groups. Steers in groups one and two were slaughtered in 2014, groups three and four in 2015 and groups five and six in 2016. The steers were turned off at a younger age in the last two years while maintaining very similar fat cover and carcase weight across the six groups. There was large variation in all of the carcase traits, with carcase weight at slaughter varying by 130 kg, P8 fat varying by 28 mm and Eye Muscle Area varying by 63 cm2.

The top five sires had an average Carcase Weight EBV of 38.0 kg and the bottom five sires had an average Carcase Weight EBV of 18.8 kg (Table 2) as young bulls. As the expected average progeny difference is equal to half of the difference in EBVs between the two sire groups (e.g. expected average progeny difference = 19.2/2), the expected average progeny difference between these two groups is 9.6 kg. Analysis of progeny carcase weight for the top five sires (carcases averaging 334 kg) and bottom five sires (carcases averaging 294 kg) shows that there was an observed average difference of 40 kg in carcase weight between the progeny of these two groups of sires (Table 2).

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<th>GROUP</th>
<th>NUMBER</th>
<th>AGE (DAYS)</th>
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<th>P8 FAT (MM)</th>
<th>RIB FAT (MM)</th>
<th>EMA (SQ.CM)</th>
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<td>1011</td>
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<td>3</td>
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<td>310</td>
<td>12</td>
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<td>TOTAL</td>
<td>844</td>
<td>962</td>
<td>316</td>
<td>12</td>
<td>7</td>
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</table>

TABLE 1: SUMMARY OF BRAHMAN BIN SLAUGHTER DATA
case the difference in the EBVs of the top five and bottom five sires significantly underestimated the differences in the carcase weights of the progeny.

Shear Force, a measure of tenderness, is measured using the Warner-Bratzler shear force test. The unit of measurement is kilograms of force needed to shear a 1 cubic centimetre muscle sample. The top five sires had an average Shear Force EBV of -0.2 kg and the bottom five sires had an average Shear Force EBV of +0.3 kg (Table 3). The average shear force measurement for the progeny of the top five sires was 4.0 kg while the progeny of the bottom five sires averaged 5.6 kg (Table 3). In this case the expected average progeny difference was 0.25 kg in shear force, while the observed progeny difference was actually 1.6 kg of shear force.

This is just a snapshot of some of the carcase trait results from the Brahman Progeny Test Project. The reason that the young bull EBVs for carcase weight and shear force underestimated the measured differences in their progeny is most likely because they were based on very little actual carcase data for relatives and were therefore very low accuracy. Even with the lack of actual data behind the young bull EBVs they were able to predict the high and low performing progeny for these traits.

For more information on the Brahman Progeny Test Project please contact Paul Williams from Tropical Beef Technology Services (TBTS) on 0427 018 982 or via email paul@tbts.une.edu.au.

**TABLE 2: TOP FIVE SIRES AND BOTTOM FIVE SIRES FOR CARCASE WEIGHT WITH MORE THAN 10 PROGENY**

<table>
<thead>
<tr>
<th>SIRE</th>
<th>N</th>
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<tr>
<td>ELROSE YOU BET</td>
<td>10</td>
<td>340</td>
<td>34</td>
</tr>
<tr>
<td>LANCEFIELD AMBITION</td>
<td>11</td>
<td>337</td>
<td>40</td>
</tr>
<tr>
<td>BUNGOONA CORBEN MANSO</td>
<td>17</td>
<td>332</td>
<td>46</td>
</tr>
<tr>
<td>SHA ANN WISE N UP</td>
<td>11</td>
<td>331</td>
<td>34</td>
</tr>
<tr>
<td>LORIMAR PARK EXODUS</td>
<td>11</td>
<td>330</td>
<td>36</td>
</tr>
<tr>
<td>LANCEFIELD BURTON MANSO</td>
<td>10</td>
<td>301</td>
<td>26</td>
</tr>
<tr>
<td>PBF AUSTIN MANSO</td>
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<td>CBV TOM RABIDO</td>
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<td>294</td>
<td>11</td>
</tr>
<tr>
<td>RAGLAN MR JOSHUA</td>
<td>13</td>
<td>291</td>
<td>19</td>
</tr>
<tr>
<td>FBC D MONDO MANSO</td>
<td>11</td>
<td>286</td>
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**TABLE 3: TOP FIVE SIRES AND BOTTOM FIVE SIRES FOR SHEAR FORCE WITH MORE THAN 10 PROGENY**

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<td>LANCEFIELD MADIGAN</td>
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<td>3.9</td>
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<td>BATANDRA NEVADA</td>
<td>16</td>
<td>4.0</td>
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<td>LANCEFIELD S BUCHANAN</td>
<td>15</td>
<td>4.0</td>
<td>-0.09</td>
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<td>BATANDRA TOBY</td>
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<td>CBV 10-8194 TOM RABIDO</td>
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<td>GARGLEN DIGGER</td>
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<td>FAIRY SPRINGS RED LEADER</td>
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<td>0.32</td>
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<td>ROCKLEY MANCHESTER</td>
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<td>LANCEFIELD AMBITION</td>
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<td>SAMARI PLAINS LUKE</td>
<td>15</td>
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ROCKY ALL STARS ELITE BRAHMAN FEMALE SALE
1 April at CQLX Gracemere
Elders • Landmark • Hayes & Co

BRAHMAN COMMERCIAL BREEDING FEMALE SHOW & SALE
11 April at CQLX Gracemere

NSW STUD BRAHMAN FEMALE & F1 COMMERCIAL FEMALE SALE
28 April at the Casino saleyards, Ramsey & Bulmer

GYMPIE BRAHMAN FEMALE SALE
3 June at Gympie Saleyards
Elders • Landmark • Sullivans

BIZZY INVITATIONAL BULL & FEMALE SALE
2 September at Grafton Saleyards
George Fuhrmann • Ray Donovan

ROCKHAMPTON BRAHMAN WEEK SALE
2, 3 & 4 October at CQLX Gracemere
Elders • Landmark • GDL/SBB

ROMA TROPICAL BREEDS SALE
20 October at Roma Saleyards
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GOLD CITY BRAHMAN SALE
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<td>Native &amp; Adaptive Cattle Book</td>
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<td></td>
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<td>$28.00</td>
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<tr>
<td>8217</td>
<td>The Australian Brahman Book</td>
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<tr>
<td>8281</td>
<td>Book - The Drover</td>
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<td>$59.99</td>
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<td>8280</td>
<td>Book - Why Didn't My Grandmother Get Fat... and Why Did I?</td>
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<td>$29.95</td>
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<tr>
<td>8249</td>
<td>Stickers - Set of Brahman Heads (Clear White, Silver, Black, Maroon or Red, White &amp; black)</td>
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<td>$10.00</td>
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<td>8250</td>
<td>Stickers - Large Set of Brahman Heads (Clear or Maroon)</td>
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<td></td>
<td></td>
<td>$22.00</td>
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<tr>
<td>8251</td>
<td>Stickers - Round 8” Sticker</td>
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<tr>
<td>8260</td>
<td>Sticker - Large Gate or Truck</td>
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<td>8253</td>
<td>Scarf - Large (Blue or Maroon)</td>
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<td>8221</td>
<td>Belt Buckles - Small Pewter</td>
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<td>8222</td>
<td>Belt Buckles - Large Pewter</td>
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<td>$22.00</td>
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<td>8266</td>
<td>Kids Polo Shirt (Available in Green, Navy &amp; Red - Sizes 4 to 14)</td>
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<td>$19.00</td>
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<tr>
<td>8272</td>
<td>Adult Polo Shirt (Available in Green, Navy &amp; Maroon - Sizes M to 5XL)</td>
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<td>8273</td>
<td>Ladies Polo Shirt (Available in Hot Pink &amp; Jade - Sizes 8 to 24)</td>
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<td>8235</td>
<td>Ties - Plain Tie CENTRED Logo</td>
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<td>$20.00</td>
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<tr>
<td>8236</td>
<td>Ties - Bulls Head Repeated</td>
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<td>8257</td>
<td>Ties - Bull Repeated (Maroon or Navy)</td>
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<tr>
<td>8275</td>
<td>ABBA Embroidered Cap (Navy with white trim &amp; maroon logo)</td>
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<td>8238</td>
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<td>8267</td>
<td>Keyring - Ear Tag</td>
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<td>8240</td>
<td>Pewter Keyring - Bull on Chain</td>
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<td>Pewter Letter Openers</td>
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<td>8242</td>
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<td>8271</td>
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<td>8246</td>
<td>Bull Statues - Pewter (6cm x 5cm)</td>
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<td>8247</td>
<td>Bull Statues - Pewter Cow &amp; Calf (6cm x 5xm)</td>
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<td>8248</td>
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<td>8237</td>
<td>Bull or Heifer Head on a stand</td>
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<td>8262</td>
<td>Brahman Fine Bone China Mug - BACK IN STOCK</td>
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<td>8268</td>
<td>Tote Bag</td>
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<td>USB Brahman Bull Flash Drive (8G)</td>
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<td>Lanyard</td>
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<td>8276</td>
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<td>Breeding Calculator</td>
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<td>Progeny &amp; Performance Cards</td>
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<td>8202</td>
<td>Pedigree &amp; Produce Sheets</td>
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<td>8203</td>
<td>Register of Renown Books</td>
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<td>8205</td>
<td>Show/Display Cards - NEW</td>
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<td>8207</td>
<td>Christmas Cards</td>
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<tr>
<td>8218</td>
<td>Beef Cattle Book</td>
<td></td>
<td></td>
<td></td>
<td>$95.00</td>
<td></td>
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advertisers INDEX

Avee .................................................. 25
Barkly ............................................... 41
Beef Breeding Services ..................... 5
Bungarribee ........................................ 21
Bungonna & Ainsleigh Lancaster
Photography ...................................... BC
Cambil .............................................. 28-29
Catagra Group ................................. 9
Eureka Creek ................................... 23
Glengarry ......................................... 17
Gympie Female Sale .......................... 41
Heliflite ............................................ 13
Kariboe Valley .................................. 23
Liebic .............................................. 27
NSW Stud & F1 Commerical
Female Sale ..................................... 31
Palmvale ......................................... 25
PB Fenech ......................................... IFC
Rockhampton Junior Beef Show ...... 2
Rocky All Stars Sale ......................... 21
Rocky Repro .................................. IBC
Springhaven .................................. 31
Virbac .............................................. 7
Viva & NCC ...................................... 15
West Oak ......................................... 19
Y3K ............................................... 11
Zeetags .......................................... 33

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