

PERFORM

JANUARY 2018



TE MANIA ANGUS
BREEDING BETTER BEEF



A SINGLE STEP TO GREATER GAIN

All the bulls in this year's bull sale have single step methodology included in their Estimated Breeding Values (EBV's)

The Te Mania Angus Southern Autumn Bull Sale on March 7th near Mortlake, Victoria, will be our largest ever offering of 180 bulls.

It will also be our first crop of bulls to be offered utilising the new Single Step genomic methodology.

Single Step has improved the accuracy of EBV's and gives us the opportunity for faster genetic

gain. This means that the predictions of how progeny will perform will be even closer to what we see on the ground.

Single Step is based on knowing more precisely the exact relationship between any two animals that have a genotype, than just simply knowing their traditional pedigree. As a simple example, two animals that have the same sire are expected to share one quarter of their genes, but in actual fact, the exact proportion in common, can range from about 20-30%. Knowing this type of information means that BREEDPLAN makes more precise use of

information from relatives in calculating EBVs.

The Single Step method uses all such information from anywhere in the entire family tree, and so improves the accuracy, most markedly for animals with genotypes.

Single Step improves the accuracy of EBV's which spreads out the range of EBVs – it widens the bell curve. This means there are more extreme, high performing animals at the ends of the bell curve, for example a very high \$Indexing animal is more likely to remain so.

BULL SALE PREVIEW BEEF WEEK
MORTLAKE, VIC, FRIDAY, FEBRUARY 2ND 2018

ON PROPERTY BULL SALE – 180 BULLS
MORTLAKE, VIC, WEDNESDAY, MARCH 7TH 2018

THE TE MANIA ANGUS BULL SALE will be interfaced with **AuctionsPlus** and will be conducted live online in real time, with live audio. This is an ideal way to purchase your bulls if you are unable to attend the sale. Purchasers can make an inspection of all the sale bulls at Beef Week on Feb 2nd. You must register with AuctionsPlus 48 hours prior to the sale.





2018 REFERENCE SIRE: **TE MANIA KIRK VTMK226**



2018 REFERENCE SIRE: **TE MANIA JOLIMONT VTMJ485**



2018 REFERENCE SIRE: **TE MANIA HAMPER VTMH199**



2018 REFERENCE SIRE: **TE MANIA JOLSON VTMJ1337**

2018 MARCH SALE 180 BULLS

12 NOON WEDNESDAY MARCH 7TH

Sons of the nationally and internationally renowned sire, **Te Mania Garth VTMG67** will feature in the sale. Garth sons were in high demand at our 2017 bull sales, topping both the Northern Spring Sale and Southern Autumn Bull Sales. Garth combines a moderate birth weight, high growth rate and exceptional temperament. All four \$Index values are in the top 1% of the breed for the profitability traits. The 38 Garth sons sold in the March 2017 sale averaged \$11,105.

Te Mania Kirk VTMK226 sons will be a highlight with his outstanding short gestation length and high growth figures. Kirk is in the top 1% of the breed for Angus Breeding \$Index, Domestic \$Index, Heavy Grass \$Index and the top 5% for the Heavy Grain \$Index.

Other sires with sons in the March 2018 sale include the exciting and up and coming **Te Mania Jenkins VTMJ89**, the world renowned **Te Mania Berkley VTMBI**, **Te Mania Jolimont VTMJ485**, **Te Mania Hamper HI99** and **Te Mania Jolson JI337**.

OLD HEROES – WITH SONS IN THE 2018 AUTUMN SALE



2018 REFERENCE SIRE: **TE MANIA BERKELY VTMB1**



2018 REFERENCE SIRE: **TE MANIA JEROME VTMJ131**



2018 REFERENCE SIRE: **TE MANIA JENKINS VTMJ89**



2018 REFERENCE SIRE: **TE MANIA GARTH VTMG67**

KEY FIGURES

80%

of the TMA sale bulls are in the top 30% of the breed for Marbling (IMF%)

91%

of the TMA sale bulls are in the top 30% of the breed for Heavy Grain \$Index

90%

of the TMA sale bulls are in the top 30% of the breed for the Angus Breeding \$Index

+2.7

is the average IMF% for the TMA sale bulls compared to the breed average of +1.6

\$151

is the average Heavy Grain \$Index for the TMA sale bulls compared to the breed average of \$101

\$135

is the average Angus Breeding \$Index for the TMA sale bulls compared to breed average of \$101



TEAM TE MANIA FEMALE SALES

TE MANIA ANGUS BLOODLINE commercial females are available for sale, both privately and on AuctionsPlus. The major Team Te Mania female sale has been moved to late March/early April, and other sales will follow in winter and spring. This will enable a more flexible selling structure to fit with supply and demand. These commercial female sales will be advertised through Te Mania Angus emails, social media, website and rural media.

Team Te Mania females are ideal foundation breeders for new herds and present an excellent

opportunity for any commercial Angus producer wanting to fast track genetic improvement.

Many of the cows offered are Breedplan recorded with pedigrees and EBVs available. Enquiries to purchase Team Te Mania females, or Team Te Mania membership, contact hamish@temania.com.au or visit www.temania.com.au

Above: Tonga Station, Mansfield tops Auctions Plus sale, Dec 8 – Cows with calves at foot - \$2,530; PTIC Cows \$2,350.



TE MANIA ANGUS, MARCUS OLDHAM SCHOLARSHIP

Henry Falkenberg 2018 recipient of the Te Mania Angus Scholarship

CONGRATULATIONS to Tim Houston, who has recently graduated with a Bachelor of Business (Agriculture). Tim, who won the 2017 Te Mania Angus Scholarship, applied his strong interest in production systems to the theory and on farm during the course, and has been rewarded with a position near Boomi, NSW on a large scale mixed cropping and grazing operation. It is exciting to see people of the calibre of Tim embracing opportunities like this in the agricultural industry. Our future is in good hands!

HENRY FALKENBERG from Hamilton in Western Victoria has been selected as the 2018 recipient of the Te Mania Angus Scholarship to aid with his studies at Marcus Oldham Agricultural College. Henry is studying Farm Business Management after two years working as a Jackaroo in Victoria and NSW.

Congratulations Henry and all the best for your studies at Marcus Oldham.

TRANS-TASMAN BEEF COW PRODUCTIVITY PROJECT: 2017 SUMMARY

Matt Wolcott, AGBU

IN NOVEMBER, the data collection phase for the first year of the heifer ovarian scanning component of the Trans-Tasman beef cow productivity project was completed. This concluded field work for what has been an extremely successful start to the project. This part of the project involved serial ultrasound scanning of heifers from weaning to the start of mating to identify first oestrous and allow calculation of age at puberty.

The recording effort exceeded our goals for the number of animals scanned, with 1691 Angus and 479 Hereford heifers evaluated in the first year of the project, with almost a third of these recorded at Te Mania Angus, or in Team Te Mania herds. The number of scans per animal, was also greater than we expected could be achieved, with an average of 3 scans for each heifer (ranging from 2 – 5).

A key result from the first year of the project was that intensive ovarian scanning showed not all heifers were pubertal as they entered their first mating. This was an unexpected result and combined with reports from participating breeders of consistently high conception, calving and weaning rates, suggests that there is a proportion of heifers that reach puberty and conceive successfully after the introduction of bulls to natural mating groups or (more commonly) the synchronisation of oestrous for AI. This has implications for commercial breeders and reinforces the importance of having good description of female reproduction in the genetic evaluation for temperate beef breeds.

The project was also able to trial new technology which presents opportunities to reduce the need for repeated ultrasound scans, to measure age at puberty and related traits. A validation study of AllFlex® heat detection collars was undertaken at Te Mania Angus and represents the first step in introducing a new, potentially more accurate and labour and cost effective means, of monitoring ovarian function in temperate beef females.

Preliminary results have been extremely encouraging and plans are in place to expand the range of animals and number of females evaluated in next year's recording program.





Artificial Insemination and Structural Assessment - An Afternoon in the Yards

“AN AFTERNOON IN THE YARDS” has become somewhat of a fixture on the calendar at our cattleyards near Mortlake in Western Victoria.

These open days are held at various times throughout the year, as an informal, relaxed way for our clients to witness firsthand action behind the scenes at Te Mania Angus. These days demonstrate the level of detail that it takes to collect and organise all the information that goes into performance recording and research projects.

We will be hosting more of these days in 2018 and welcome visitors to attend. Stay tuned for more information in 2018.



Top: An Afternoon in the yards: Artificial Insemination with some Low Stress Stockhandling thrown in from Nic Kentish

Above: An Afternoon in the Yards: Independent Structural Assessment with Jim Green

Te Mania Angus welcomes Terry McCosker, co-founder of Resource Consulting Services (RCS) as Chairman of our Advisory Committee.

Terry has had an inordinate impact on agricultural practices around the world over many years. On this basis the Central Queensland University conferred on Terry, the degree of Honorary Doctor of Agribusiness, in 2015.

Terry co-founded RCS over 30 years ago which has set the benchmark for capacity building in rural and regional Australia. RCS is a leading private provider of holistically-integrated education, training and advisory services to

the agricultural sector, both nationally and internationally. RCS works with individuals, families, corporates and government groups, empowering them to grow productive, profitable agricultural businesses within regenerative landscapes.

Terry is a Churchill Fellow, and an internationally acclaimed teacher who has worked in research, extension and property management in both government and private sectors for 50 years. He is a pioneer in the field of soil carbon and carbon farming, and has published over 40 papers and made several world first discoveries in the 1980's.

Terry is joined on the Te Mania Angus Advisory Board by Scott Johnstone, Principal – Accounting and Business Advisory at Crowe Horwarth. Scott works closely with the family providing corporate governance and business advice and analysis.



The Zanda McDonald Award, now in its fourth year, was set up as a tribute to the enormous contribution Zanda McDonald (pictured) made to agri-business.

ZANDA MCDONALD AWARD 2018

THREE INSPIRATIONAL young agribusiness leaders have been selected from across Australasia as finalists for the 2018 Zanda McDonald Award.

Those familiar with the award will be aware that it is regarded as a prestigious badge of honour for agribusiness, recognising the most innovative young professionals in our industry, from both sides of the Tasman.

The 2018 finalists are Janet Reddan, 33, a former agronomist now cattle producer, from Roma Queensland, Lisa Kendall, 25, of Nurture Farming Limited in Auckland NZ, and Thomas MacDonald, 24, Business Manager of Spring Sheep Milk Company, based in the Waikato NZ.

We're thrilled to be part of the award, with Tom Gubbins sitting on the judging panel. He and the other judges were completely blown away by the vision, leadership and passion that the finalists all share for agribusiness. They will attend the PPP Conference in Taupo in March, where the 2018 winner will be announced, receiving a prize package to the tune of \$50,000.

For further details on the award and the finalists, head to www.pppgroup.org



TE MANIA ANGUS CELEBRATES ITS 90TH BIRTHDAY IN 2018



QUEST FOR THE BEST

WARRAGAI – JAMIE AND ROBINA MACONOCHIE, WYMAH NSW

By Jamie-Lee Oldfield, The Weekly Times

A MOVE to the southwestern reaches of the Great Divide has delivered for the Maconochie family.

Jamie and Robina moved to Wymah, 50km northeast of Albury, NSW, and 4km from the mighty Murray River, almost seven years ago,

The 800ha of undulating land and natural springs is a world away from Victoria's Western District, where the family started their farming journey.

And their 350 Team Te Mania Angus cow herd could not be happier, thriving in the environment and producing top-quality beef for Melbourne butchers.

The half-spring, half-autumn calving Angus herd is based on Te Mania genetics, with bulls leased from Te Mania for three-year periods.

Having previously run a large 4000 Angus cow herd for Japanese owners at Camperdown, Jamie was introduced to Te Mania bloodlines.

"The cows were artificially inseminated to Wagyu, and I went and purchased a lot of stud cows for the operation," he said.

"The Japanese owners used to say that the Te Mania cows were by far producing the best performing Wagyu-cross calves in the feedlot.

"So I went straight into buying their females for my own herd, and went on from there — I now supply Melbourne butchers with beef."

Angus, Henry, Robina and Jamie Maconochie on their beef property at Wymah, in the Upper Murray region of southern NSW. Picture by Jamie-Lee Oldfield

CALF MUSCLE

Calves are weaned at nine months and then sent to be contract fed at Echuca for three months.

Jamie said while grain feeding them to slaughter weights cost \$250 each, it allowed him to run more breeding females.

"I like to follow the cattle right through to slaughter, rather than someone else buying them and making money out of them," Jamie said.

"I used to run calves out to about 18 months old but I find this much more profitable."

Robina says grain feeding also ensures a more consistent quality product, year round.

"I am really supplying the market when they can't get grass-fed calves, in July-August, and again in March-April," Jamie said.

When the Angus steers and cull heifers reach 400kg liveweight, a price is negotiated with a buyer for a number of Melbourne butchers, and the stock is sent to Kyneton or Warragul abattoirs for slaughter and distribution.

Jamie used to deal direct with butchers, but has found having one meat buyer for several shops helps streamline distribution — and ensure payment.

Jamie said the price was always well above market value.

"When the market is good, like it has been lately, you could almost make the same profit by just selling the calves as stores, but I like to follow them through and get the feedback," he said.

"I received carcass data for each individual electronic identification number from each beast when killed at Warragul, and I can link that back to the cow to see which is producing the best," Jamie said.



FAMILY MATTERS

THE Maconochies, who are helped on farm by sons Angus and Henry, turn off upwards of 300 Angus cattle a year.

While a select few heifers are kept on, Jamie says he also likes to buy some in.

“It takes a long time to get money out of heifers, so I keep the very best and then sell some cull for age cows to buy some top-bred heifers to boost numbers,” he said.

Heifers are sent to feed receive hormone growth promotants, to keep them from going to fat, and are generally the first sent to slaughter, after 10 weeks on grain.

Those that remain are joined at 18 months, grown out slightly longer than the average operation to ensure they can handle their first calving.

The bulls run with the cows for eight weeks. Jamie selects bulls with a higher birthweight to produce a bigger calf, and said as long as the cows and heifers’ condition was handled correctly, they did not have calving problems.

“Don’t let them get too fat, and they will be fine — the hills here really help that, keeping them fit and not allowing them to put on too much condition,” he said.

Calves are weaned in a paddock you can see out kitchen window, where they are fed hay

to encourage a quick catch on when introduced to grain.

The paddock is also in clear view of where the weaned calves’ mothers will reside.

“When they can see their mothers, they settle down in just a couple of days,” Robina said.

“I am not into yard weaning, we always wean where they can see their mothers, they just get so stressed otherwise.”

The pastures, well established before the Maconochies arrived on the property, are rotated as much as possible and Jamie says one of the key elements of good livestock management is “lightening off when you have to lighten off”.

“And I tend to really look after what your next income is — at the moment autumn calves,” he said.

BAA BRAWL

THE Maconochies also run up to 900 Border Leicester-Merino ewes on their 800mm rainfall property, joining them to Poll Dorset rams.

The first-cross ewes are bought in each year, either from local saleyards or more commonly now via AuctionsPlus, but always from well-known local producers.

Jamie, who admits he might actually enjoy sheep more than cattle, said the property was well equipped for sheep management when

they arrived, and having the two enterprises spread the risk.

“There always has been more money in sheep than cattle, but cattle have now caught up,” he said.

However, one hurdle to producing sucker lambs, usually marketed at Corowa, has appeared in recent years.

The Maconochies have had three wild dogs destroyed on their property in one week recently and, as a result, the sheep have only been running on the low-lying areas, rather than the sheltered hills where plentiful native pastures grow.

“We leave them on low areas because it is a long way for dog to travel — the only way we have been able to get the wild dogs is for our local ranger to come and howl them,” Jamie said.

“We are going to have to electrify the whole boundary, which all the neighbours are doing now.”

MEMBER OF TEAM TE MANIA
SINCE 2004

- BEEF ONLY

- SPRING AND AUTUMN CALVING

WORLD ANGUS FORUM 2017

THE ORIGINAL HOME OF ANGUS

CATTLE welcomed hundreds of visitors to the United Kingdom in June last year.

The Forum took place from 16th June to the 2nd July and included a tour of England, with the National Show at the Three Counties, a tour of Scotland and the Royal Highlands Show in Edinburgh, plus a tour of Ireland.

At the Technical Conference in Edinburgh, the theme was "Consumption to Conception", a deliberate play on words to create discussion in the UK, to increase the focus on meat quality and consumer demand.

"To know where to start, we must first understand the end"

The UK does not have a meat grading system as we do, so the market over there is quite different to ours in Australia. The Australians that attended the conference felt very fortunate for our grading system and MLA.

Some of the speakers and topics included:

- Livestock Matters for Global Food Security, presented by Professor Julie Fitzpatrick, Moredun Institute, Glasgow.
- Changing Consumer Needs – how does beef fit in? Tom Slay, Marks and Spencer Agriculture Manager: "Consumer trends change rapidly. What are the key issues that impact beef consumption and what does this mean for the beef supply

- One Sample for Life, presented by Dr Johan De Meulemeester, Allflex, who discussed their approach to stringent traceability, adding DNA technologies and animal monitoring to allow farmers to meet today's consumer demands.
- Dr Robert Smith, University of Liverpool: Animal Welfare issues.
- Dr Rob Drysdale: Brand Management within an integrated beef supply chain.
- Prof Richard Dewhurst, Head of Farming Systems Group SRUC, Scotland Rural College Feed Conversion Efficiency.
- Gavin Hill, Senior Beef Specialist, SRUC:
- Stewart Bauck, Neogen Agrigenomics: GeneSeek Big Data and its impact on beef product. Advances and the future of genomics.
- Michael Bishop, Illumina USA, The use of Genomics from selection to consumption. The quest for prediction.
- Tom Gubbins, Te Mania Angus: Pulling together the tools and making it work.

"Genetic decisions are economic decisions in Angus breeding. The collection and analysis of data is crucial to breeding. Fertility, structure and carcass are all key profit drivers which when measured, assessed and used as selection tools, have an enormous effect on the bottom line."



WESTERN VICTORIAN LIVESTOCK EXCHANGE WVLX

Construction of the \$15 million, state of the art livestock selling facility at Mortlake, Western Victoria, is on track for completion for the first prime sale on January 22nd at 9 am.

One of the primary goals of the saleyards' design is animal welfare. All livestock will be on soft floors with the layout designed to create efficient stock movements.

Rohan Arnold, WVLX director explains, "lowering the impact on animals during their yarding would reduce their stress and bring benefits to both vendors and buyers, which was important to the six board members of the SELX Operations, who are all producers"

There will be 416 selling pens, with 2.8 hectares of undercover yards, making the new Mortlake yards one of the largest in Australia.



10 foundation agents are committed to the Mortlake yards, with weekly sales held every Monday. Store sales will be held monthly, beginning on Thursday February 1st, then the second Friday of each month from March 9th at 10 am.

- 2,300 tonnes of steel framing
- 1.2 million screws in the roof
- 11 kms of in-ground water pipes
- 2.5 kms of walkways
- 6,000 cattle panels

VALE FRANK WILDING

TE MANIA NEW ZEALAND

11/11/1928 – 5/11/2017

The passing of Frank Wilding brings the end to the life of a most influential person in the New Zealand Angus Breed. Many younger people will not realize what a giant he has been for the breed, an innovator, a man with vision and a leader in the industry.

AS WITH ANY MAN OF VISION, Frank was not a traditionalist.

He changed the way Angus cattle are bred.

He brought back from his overseas travel the idea of performance recording, and so became the first in New Zealand to weigh calves at birth, and then at weaning – ‘just to be a little more scientific about these things’.

In 1962, he started heifer mating – the first in New Zealand and not without a huge amount of criticism.

In 1967 he held the first South Island on farm auction.

In 1969 saw Te Mania send a shipment of two bulls to USA, another first. In 1971 Frank established the Te Mania stud in Australia with his sister Mary and his brother in law Andrew Gubbins. It was Frank who was instrumental in bringing the Australian recording system Breedplan into New Zealand in the early 80's. They were the first herd to use the system so that it could be cross referenced with Te Mania Australia.

In 1975 Frank exported a bull and ten heifers back to Scotland, a sign of the respect from the old country for his breeding principals.

In 1978 saw Cord Cattle Genetics in Western Australia perform the first Angus embryo transplants in Australasia – using Te Mania heifers.

During the 1970's Frank served on the Angus Council and was on the committee for the 1981 World Angus Forum.

As a man with forthright manner and advanced methods he was an influential member of the association.



He was a champion for conservation and the preservation of the native bush and his coast. He set up the award winning Coastal Conway Landcare Group, which he was involved with for many years – bringing awareness amongst the locals.

When I started breeding Angus on my own account, I followed Frank around closely to gain as much knowledge as I could and to develop clear breeding principles. He was generous in sharing that knowledge.

Two special things I remember from over forty years ago.

One – He was a hell of a pourer of strong whiskeys and gins! It was difficult to leave Te Mania without feeling the effects! He and Jo were most hospitable and brilliant entertainers of people from all over the world.

Two – I will always remember going around the cows with Frank. Not into showing cattle, he was great with all animals and delighted in demonstrating to us how he could scratch the girls' heads in the open paddock.

In 1988 he did what many farmers find difficult to do. He stepped aside to let Tim take over.

‘You take over and I won’t interfere.’ With that he went off to build his own house, Rafa.



Frank – you will always be missed but not forgotten, standing by the bbq on sale day – with that dry sense of humour and twinkle in your eye.

**By Gerald Hargreaves,
Kakahu Angus, NZ**



WALGETT BULL SALE AVERAGES \$10,993 FOR TOTAL CLEARANCE

WRITTEN BY RUTH SCHWAGER, THE LAND

SUPPORT FROM VOLUME BUYERS, many of them repeat clients, led to a top of \$20,000 at the Te Mania Angus northern spring bull sale at Walgett on Tuesday.

The McFarlane and Gubbins families offered 105 bulls in their 11th annual sale, with all selling for an average of \$10,993.

Most of the bulls went to repeat clients, with buyers coming from Victoria, NSW and Queensland.

Among the longtime clients were David Reid, Dennis Power and Glenn Frazer from Minnamurra Pastoral Company, who bought the top bull, Te Mania Lamaro L134.

The 24-month-old son of Te Mania Garth G67 and Te Mania Mittagong J521 was one of 18 purchased by the Minnamurra team, with the bulls averaging \$13,722.

Lamaro weighed 780 kilograms and had estimated breeding values (EBVs) of +1.2 for birthweight, +43, +85 and +104 for 200-, 400- and 600-day weight, +37 for milk, +10.5 for eye muscle area (EMA) and +3.7 for intramuscular fat (IMF).

Mr Power said Minnamurra had been buying Te Mania bulls for about 20 years and he liked the consistency of the bulls and their progeny.

All 18 bulls will be used in the pure Angus herd at "Cortina", Wollar, near Mudgee.

"This bull had good carcase figures with EMA and IMF, good calving ease and milk, great growth and he was in the top 10 per cent for all four indexes, so he's an all-round good bull," Mr Power said.

Three bulls reached \$18,000, with Te Mania Leggings L678, a 24-month-old bull by Ayrvale Bartel E7 from Te Mania Wargoona F833, and Te Mania Lenno L747, a 24-month-old son of Te Mania Galaxy G49 and Te Mania Dandloo F883 going to Minnamurra.

Walgett producers and repeat clients Mark, Sue and Sam Evans, "Martindale", purchased Te Mania Lookout L1316, a 23-month-old by Te Mania Jock from Te Mania Mittagong F987, for \$18,000.

Two bulls – Te Mania Lemur L731 and Te Mania Lee L656 – made \$18,000, selling to return buyers Michael and Annie O'Brien, "The Brigalows", Carinda, and Minnamurra respectively.

Doug Marshall, Oaklands Pastoral, Tibooburra, and Duddy Management, "Callandoon", Goondiwindi; each purchased seven bulls, for averages of \$11,285 and \$8875.

The O'Briens bought six bulls averaging \$13,500 and Ben and Prue Coulton, "Getta Getta", North Star, and Paraway Pastoral each took home five bulls, averaging \$11,000 and \$8400 respectively.

The sale was conducted by Clemson Hiscox and Company, Walgett, with Paul Dooley, Tamworth, taking the bids.

Pictured above: Hamish McFarlane and James McCormack; buyers Glenn Frazer, Dennis Power and David Reid; and agents Paul Dooley and Chris Clemson.





USING COWS TO SAVE THE WORLD

Fighting desertification and reversing climate change with holistic grazing management

By Edward Gubbins, 3rd Year Bachelor of Science, University of Melbourne.

Allan Savory, a Zimbabwean biologist, has dedicated his life to solving the issue of desertification which is slowing eating away his beloved continent.

His work went against the underlying assumption that livestock and overgrazing are the sole cause of such issues in Africa and across the globe.

“We were once just as certain that the earth is flat, we were wrong then, and we are wrong again.” Spoken by Savory in his 2013 Ted talk.

By mimicking the movement of enormous bovine herds (like wildebeest) and manipulating the cattle to graze smaller areas in higher densities for shorter periods of time, his studies were successful in extensive revegetation and increased production.

Essentially, when compared to traditional fixed grazing methods, holistic management provides the pasture species with sufficient rest, whilst the high density of dung residue, provides the grass with a layer of protection in this important regrowth period.

His theory suggests that this improvement in pasture growth, increases soil cover and prevents the release of carbon from the soil, also drawing more carbon from the atmosphere as photosynthesis increases. Soil structure, penetrability and aeration is also improved, increasing the health of surrounding

environment and further accelerating the efficiency of soil systems.

These grazing methods are practiced here at Te Mania Angus and throughout Australia. These practices have been adopted in order to increase pasture quality and overall production, however the environmental benefits are becoming more exposed and with the onset of carbon pricing and sequestration, holistic management may become even more economically viable as the government incentivises more carbon neutral farming.

You can read more about the work of Allan Savory and his team at www.savory.global

For information on soil carbon in Australia and how you can benefit go to www.carbonlink.com.au

CARBONLINK WITH TERRY MCCOSKER

EARLY THIS YEAR, a new soil carbon methodology will be released by the Minister for the Environment. This means soil carbon can become a tradeable item for farmers and graziers. This has been years in the making and replaces the original methodology which proved to be unusable.

The new version includes several improvements sought by industry. These make it more practical, more accurate and slightly cheaper. However there are still some aspects of the equations that delay income to producers that we were not able to get changed. Being able to trade new soil carbon has many advantages.



Firstly it provides an additional income stream. Secondly, improving carbon levels in soils improves water holding capacity and production of crops and pastures. It also generally lowers input costs. Thirdly, it removes CO₂ from the atmosphere. This makes it a win/win/win deal for farming and society.



The table below indicates probable nett income to a 1,000ha property, sequestering 2t C/ha per annum at a price of \$20/ t CO₂e.

Pictured above: The coring rig at work in 2016 doing 16,000ha supported by new in-field analysis technology

TABLE I. ESTIMATED NETT INCOME AT 5 YEAR INTERVALS SEQUESTERING 2T C/HA PRICED AT \$20/T CO₂E

	ha	Baseline	5 years	10 years	15 years	20 years	25 Years
Small Area	1,000	-\$65,000	\$155,200	\$595,600	\$375,400	\$375,400	\$375,400
Medium Area	4,000	-\$100,000	\$780,800	\$2,542,400	\$1,661,600	\$1,661,600	\$1,661,600



DIARY DATES TO REMEMBER

BULL SALE PREVIEW BEEF WEEK

FRIDAY, FEBRUARY 2ND 2018 | MORTLAKE, VIC

ON PROPERTY BULL SALE 180 BULLS

WEDNESDAY, MARCH 7TH 2018 | MORTLAKE, VIC



If you are not currently receiving our catalogue and would like to receive an Autumn Bull Sale catalogue, please email admin@temania.com.au

www.temania.com.au



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TE MANIA ANGUS
BREEDING BETTER BEEF