



**SURFACE
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SUMMER 2011

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Campbell Farms Angus
550 Feltrim Rd
EARLSTON VIC 3669

BEEF WEEK – MONDAY 31st JANUARY

This year we will feature a display of females with calves at foot. Sires include KCF Energizer, Bando 1961, SCR Right Cross, TC Rito 416 and BR New Frontier. Our feature sire will be our Angus Australia progeny-tested homebred, CAMPBELL FARMS YABBA Y035. We have bred for quiet temperament, calving ease, fertility and structural soundness. All cattle are run under commercial conditions and are fully performance recorded and BJD accredited. We will be open from 9am, please drop in for a visit.

ON PROPERTY SPRING BULL AND FEMALE SALE

This year was one of our best sales in many years with 19 sold of the 23 bulls on offer for an average of \$3559 our best average ever in the stud history. With our top lot a Bongongo Bulletproof son Campbell Farms Dynamite D815 going to the Reiland Angus Stud in Gundagai for \$8000. He has some very impressive Ebvs of +4.4 for calving ease direct, a 600 day growth of +91, EMA of +6.5 and a Long fed/CAAB index of +\$129 this is in the top 1% of the breed.

The same stud also bought another very impressive bull Campbell Farms Defender D844 a Hyline Right Time son out of a Millmerran Cow for \$4750, once again stacked with great calving ease, growth and carcass figures. Reiland Angus also took home two cows with calves at foot to a top of \$2500.

Some repeat clients Don Howie, Doug Lithgow and Graham Fern secured multiple lots. All were chasing bulls to use in their heifer programs. Campbell Farms thank them for purchasing these bulls and their continued support of our breeding program.

Females once again sold well with many going to repeat buyers looking to secure some great genetics at reasonable price with all heifer calves at foot sold and only one bull calf taken home. Out of the 9 on offer 6 sold. This year we also had some yearling heifers (not joined) on offer and sold one of the four to \$1000. June Reiter took home two cows and Alan and Elizabeth Hildebrand took home one.

ANGUS YOUTH ROUND-UP 2010

This year was the first time Campbell Farms took a heifer up to Wodonga for the Angus Youth Round-up with Rachel's four kids entering (Kaitlin, Joshua, Erin and Hannah). Both Tony and Mark Woodstock had an experience in starting a heifer for the kids.

A few weekends prior to the Round-up Mark and Tony were set the task to teach them the ropes in handling, leading and grooming their heifer for the big event. The Round-up was over 3 days where the kids were involved in many different activities regarding the cattle industry. The ultimate thrill for the kids was being able to show one of their own heifers. No prizes were won but a great time was had by all.



WORLD ANGUS FORUM (CANADA 2009)

I had the opportunity of a lifetime to travel to Canada for the World Angus Forum in Calgary. With very few Australian delegates attending, I stood out in the crowd with both accent and attitude. I made friends with people quickly and the president of the Canadian Angus Society picking me up from the airport made life even better.

We quickly traveled around the area looking at feedlots, breeding, back grounding properties and then some tourist sites before heading to Spruce Meadows for the Forum. The Forum ran over three days with variety of activities and information sessions. One session of note was on the genetic variability in the Angus breed around the world. The Angus breed has less than 7% inherent genetic correlation. This is very low considering the vast numbers of Angus cattle around the world.

All Angus breeders like us have been affected by the genetic defects that have come out in recent years but are a problem that can be managed effectively with the amount of information along with the DNA testing available. Canada and US were the first to be able to offer a new DNA test in regards to Feed Efficiency and Feed Conversion. This is similar to the new 50k test now available in Australia. Interestingly New Zealand have tested all their cattle for AM and NH and will be conducting a follow up mandatory test of all registered Angus cattle in the next 12 months (not sure about CA yet).



Photo taken at Spruce Meadows, Calgary, Canada

RECESSIVE GENETIC CONDITIONS IN CONTEXT

All mammals including humans and all breeds of cattle have recessive genetic conditions. A few are fatal. Advances in genetics have enabled the development of DNA tests to manage these conditions.

Where a single pair of genes controls a trait or condition it is referred to as a simple recessive trait or condition. There may be several forms of the same gene eg black (dominant) and red (recessive) for the colour gene in Angus. These gene forms are called alleles. Two copies of the recessive allele need to be present in an animal for it to be expressed. Both the sire and dam need to be a carrier (have one copy each) to have progeny that have two copies of the recessive allele.

Arthrogyrosis Multiplex (AM), Neuropathic Hydrocephalus (NH), Contractural Arachnodactyly (CA) and red colour are examples of recessive conditions and traits in the Angus breed. In animals with only one copy of the recessive allele (and one copy of the dominant allele), the recessive allele isn't expressed and the animal is known as a "carrier" for the unexpressed trait or condition.

What happens when carriers are mated to other animals?

A carrier, will on average, pass the recessive allele to a random half (50 %) of its progeny. When a carrier bull **and** a carrier cow are mated, there should be a 25% chance that the progeny produced will have two dominant alleles and therefore be free of the condition. There should be a 50% chance that the mating will produce a carrier and finally there could be a 25% chance that the progeny have two copies of the recessive allele therefore being affected by the condition.

If animals **free** of the recessive allele are mated to carrier animals then the recessive trait or condition will **not be** expressed at all. Approximately half (50%) of the progeny could be expected to be carriers while the other half are expected to be free of the condition.

How are these genetic conditions reported?

DNA-based tests have been developed that are used to determine whether an animal is a carrier or free of the AM, NH and CA gene. It is reported in the following way, (AM status is used in this example). For other conditions replace the AM with NH or CA as required. These codes are available on registration certificates and the Angus Australia database.

- AMF** — Tested AM free
- AMFU** — Untested but based on pedigree AM free.
- AM??%** — Untested but based on pedigree ??% probability that the animal may be an AM carrier
- AMC** — Tested AM-carrier
- AMA** — AM-Affected

Key point: The number of reported observations of AM, NH and CA calves is very low and there is certainly no need for panic. With today's DNA tools undesirable genetic conditions can be managed!

Implications for Commercial Producers

Your decision on what genetic condition statuses are acceptable will depend on the genetics of your cow herd, whether you have a straightbreeding or crossbreeding enterprise and whether female progeny will be breeders.

Campbell Farms are being proactive and transparent in managing these genetic conditions, endeavouring to provide the best information available at any point in time. If you have any questions regarding Campbell Farms animals and recessive genetic conditions please do not hesitate to contact Tony on 0437 662 177 to discuss your concerns. The greatest risk to the commercial sector from undesirable genetic recessive conditions comes from unregistered bulls with unknown genetic background.

The greatest potential cost of recessive genetic conditions is people overreacting to them. The sire lines in which the genetic recessive conditions AM and NH have been found are of extremely high genetic merit and are still worthy of consideration.

TOP SEMEN STILL AVAILABLE

Limited Semen is available for our two home grown super sires.

VVXY035 – Campbell Farms Yabba and VVXV536 – Campbell Farms Emulation

Contact Tony on 0437 662 177 or Chris McIlroy at Agri-Gen on 03 5722 2666 for more information and prices.



CAMPBELL FARMS YABBA Y035

BORN: 11/08/03 AMF | NHF | CA2%

TE MANIA KNIGHT K206 (RC)

SIRE: VTM U41 TE MANIA ULONG U41 (AI)(ET)(TNC)
TE MANIA LOWAN Q42

B/R NEW DESIGN 036

DAM: VVX W582 CAMPBELL FARMS NIGHTINGALE
W582 (AI)(ET)
CAMPBELL FARMS NIGHTINGALE T573

December 2010 EBVs & \$Indexes

	CED	CEM	GL	BW	200D	400D	600D
EBV	+1.8	+2.6	-6.1	+3.2	+44	+86	+103
Acc	74%	65%	93%	97%	93%	94%	93%

	MCW	MILK	SS	DC	CWT	EMA	RIB
EBV	+78	+24	+1.3	-4.3	+49	+6.2	-0.2
Acc	84%	79%	88%	60%	83%	74%	82%

	RUMP	RBV%	IMF%	LF/ Caab	Heavy Grass	Short Fed
EBV	0.0	+0.9	+2.1	+\$129	+\$98	+\$92
Acc	83%	74%	72%			

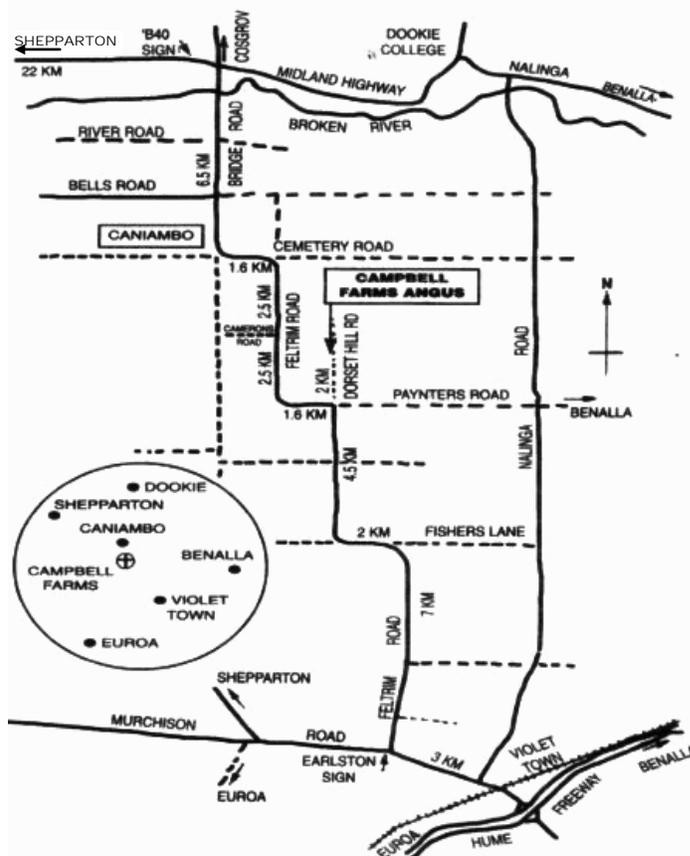


CAMPBELL FARMS EMULATION V536

Australia's Number 1 Net Feed Efficiency Sire

More information on our website www.campbellfarms.com.au

Location Map



CAMPBELL FARMS ANGUS

193 DORSET HILL ROAD, EARLSTON
VICTORIA. AUSTRALIA

TONY, JACCI & ROBERT CAMPBELL
AND FAMILY



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