

Milk & Honey

- THE GENIMEX JOURNAL -



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The Ayrshire Gold Cup

A very valuable solid gold cup steeped
in tradition and history

Toer na Denemarke

Komentaar van suiwelboere &
Genimex agente

DJ Look

Skitter in die Cineraria Kudde
met puik uiers

2009 Overberg Jersey Klub Kudde Kompetisie

Volmoed Trust Jersey Kudde van Protem
ontvang drie toekennings

News Snippets

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NZ officially EBL free
Funic & Lemvig daughters

New Holstein Bulls from
Sersia, Semenzoo &
VikingGenetics





- Foreword -

2009 is now fast drawing to a close and it has certainly not been a boring and uninteresting year in the semen industry. Consider just two factors, firstly the growth in the market of SEX SORTED semen and the effects thereof (is it as important as some make it out to be or is it still too expensive?) and then there is the much debated and possibly misunderstood concept of GENOMIC SELECTION. What does it hold for the AI industry as we know it today, how will it change?

AI studs and agencies from all over the world have approached the sale of bulls with genomic proofs very differently. One of our suppliers, Viking Genetics, has as expected followed the cautious route and we do not expect to import and distribute semen of bulls with Genomic proofs for some time yet. As explained to us by Peter Larson of Viking Genetics when asked about supplying us young bulls with Genomic proofs.

"I will suggest that you wait till we have a "Blended index". The Blended index will have pedigree and genomic information and will be published as other breeding values and for all traits (not as now, with only plusses or minuses). Development of blended index is expected to be finalized in April, for the Interbull test run. If the test run is successful, I expect that we can start publishing in June. The problem with Blended index is that it is not as simple as 50% pedigree + 50% genomics (close to what others use), but the ratio differs according to trait, reliability and pedigree information, - so very individual, requiring a lot of calculations. I am sure that we will get a useful blended index, closer to the final proof and better than only one or the other alone (or 50 + 50).

Please remember that genomic proofs are one step up on bulls that only have a pedigree index. These genomic bulls have higher reliability than bulls with a pedigree index but are a long way from being bulls reliably proven with milking daughters. The reliability percentage allocated to these bulls will also vary from country to country and breed to breed.

Interestingly some local distributors of semen have gone so far as to market bulls with a few genetic markers as being bulls "Genomic proofs". There is no clear cut accepted terminology that is accepted so they are not really wrong in what they are doing. The major players in the industry are past Genetic markers.

A bull with a Genomic proof should have data for all traits and not just an indicator for a few. With just the best ones highlighted. We can only say please be aware and do not be misled. Should you as breeder want to use bulls with Genomic proofs please remember to limit their usage within your program. They are still test bulls even though they have a slightly higher reliability.

Consider the effect that Genomic Selection could have on the bulls selected by Sire Analysts to enter testing programs. Currently a lot of young bulls with high Genomic proofs come from three of four lines. If everyone selects only from them then inbreeding is going to become an even larger problem. How does a sire analyst justify testing a bull with an OK Genomic proof just because he is an outcross sire? Who is going to use him? As with many aspects of breeding we urge all involved in the dairy cattle breeding industry to approach Genomic Selection with caution and allow the next few years to determine where it will ultimately take us.

Of the many functions and days that Genimex sponsored in 2009 one certainly stands out and that was the dinner after the Ayrshire national Championships held in Bloemfontein. At this dinner we learned about a Gold Cup that disappeared for 38 years. See the article on page 4.

In previous editions of Milk and Honey we highlighted the successes of our Holstein products we have marketed in the past. This time it is the turn of our Jersey product from Viking Genetics. The bull we must certainly highlight is DJ LOOK. What a bull! Congratulations to the breeders and we look forward to more and more success stories as the Genimex product penetrates the market further.

Genimex can look forward to another merger in January 2010 when Viking Genetics is joined by the Finnish breeding organisation FABA, Viking Genetics will then certainly be one of the largest breeding organisations in the world.

We would also like to invite our clients, potential clients and anyone that is interested to visit our newly established web site www.genimex.co.za. The intention is to keep the website alive with new bulls being entered and old taken away as needed. The bulls we are offering from all our Northern Hemisphere suppliers are now on the site and our Sire selection for 2010 from Livestock Improvement New Zealand will be added early in 2010 when we have finalized our selection process.

To all our customers country wide we would like to thank you for your support over the last 13 years and especially during the trying times of 2009. We wish you well for 2010, may you all enjoy a well deserved break over the pending festive season.

We are probably all entering 2010 with a certain amount of trepidation. What is the Soccer World Cup going to bring? This is certainly a question being asked by many and discussed by all. We at Genimex cannot help being positive and believe that the tournament will go off smoothly and will be good for our beautiful and exciting country.

A Merry Christmas and a Healthy and Prosperous 2010 to you all from us all at Genimex Chris and Errol.

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NEW HOLSTEIN BULLS FROM SERSIA FRANCE & SEMENZOO ITALY

From our French suppliers SERSIA



USOKO FBD

Forbidden X Jocko Besne X Cash

High milk
Great type
Outstanding body capacity
Calving ease
Improves somatic cell count



From our Italian suppliers SEMENZOO



Champion X Mtoto X Blackstar

Outstanding type
Great udders
Great feet & legs
Calving ease
High milk

DJ LOOK

skitter met puik uiers in die Cineraria kudde

DJ Look, 'n Lemvig seun uit Denemarke, se dogters kalf nou in groot getalle in Suid-Afrika en daar is ook Look dogters wat nou al vir die tweede keer kalf. Die eerste indrukke is geweldig positief en veral die uiers is uitstaande. In die CINERARIA kudde van die Walkers naby Greyton het ons 'n paar dogters gesien wat nie net uitstekende tipe het nie maar ook goeie produksie. In die pas afgelope Overberg Jersey Klub Kuddekompetisie was daar drie dogters uit hierdie kudde in hul 2de laktasiegroep wat algeheel 2de gekom het.

John en Oom Cyril Walker tydens die kudde kompetisie op hul plaas Ouplaas naby Greyton in die Wes Kaap.



Oud.	Melk kg	BV kg	Prot kg	BV%	Prot%	MI	BI	PI
2/1	6401	282	236	4.41	3.69	126	115	120

Cineraria LOOK 0666



'n Look dogter in die Cineraria kudde



'n Look dogter in die Cineraria kudde

THE AYRSHIRE GOLD CUP

A very valuable solid gold cup steeped in tradition and history

The "Ayrshire Gold Cup" was donated to the South African Ayrshire Society in 1923 by the Union Castle Steamship Co Ltd.

During the first 15 years (1923 to 1939) the cup was handed out annually. With some notable achievements by Alex Drysdale, winning it five times and Montagu Simpson winning it seven times. Both of these breeders managed to win the cup three times in a row.

Montagu Simpson won the cup in 1939 just before the second World War broke out. During the war years shows were put on hold and the cup was put away for safe keeping. However it was lost and or forgotten about until 1977 after his death when his daughter discovered it in a trunk when going through his possessions. It was kindly returned to the Ayrshire Society and since then it has been awarded at the Ayrshire National Championships which are held every three years. It is awarded to the Grand Champion cow.

Since its return in 1977 the winners of this prestigious award are as follows:

1977 - John Walker & Son	1989 - Piet Delpert	2000 - Kevin Lang
1980 - Piet Delpert	1992 - Walter Finlayson	2003 - Kevin Lang
1983 - Walter Finlayson	1995 - Malleson Bros	2006 - Kevin Lang
1986 - Piet Delpert	1998 - Phillip Meiring	2009 - Kevin Lang



The cup being awarded to Kevin Lang by Mrs Anne Boswall at the awards dinner following the National Championships held in Bloemfontein in April 2009. Mr Alex Muller the President of the South African Ayrshire Breeders Society looks on. Genimex was the proud sponsor of the dinner.

Notably, the treasured cup was won three times by the well known and respected Oom Piet Delpert. However the achievement by Kevin Lang of Grace Valley Ayrshires needs special mention. Kevin has now won the cup four times in a row (spanning a 12 year period), this achievement surpasses that of Messrs Simpson and Drysdale, for the number of times the cup was won in a row, before the cup was "lost".

Congratulations to all the past winners and a special word of congratulation to Kevin Lang. May this piece of tradition and history remain in safe keeping, only to reappear every third year and be awarded to the breeder of the Champion cow and not be "lost" ever again.



"The Union Castle Co's Gold Cup Ayrshire Cattle Breeders Championships"



Photo: Dairy Mail, Agri Connect

Grace Valley Pepperpot. Judged the Senior Champion and Grand Champion, Gold Cup Winner 2009. Seen here with the judge the well-known Ayrshire breeder from Blackadder Ayrshires in Canada, Normal Boswell. Pepperpot is a daughter of the great bull Blackadder BB Kellogg. Kellogg was bred by Norman Boswall and the semen imported into and distributed in South Africa by GENIMEX.

Denemarke Toer

KOMENTAAR

van Suiwelboere & Genimex Agente

Hennie Van Der Merwe

SUIWEL BOER EN JERSEY TELER VAN BONNIEVALE

Genetika is uitstaande met klem op kappasiteit en uiers. Boerdery is hoogs gemeganiseer agv duur en skaars arbeid. Alles wat die Dene doen word professioneel gedoen.

Hendrik Bezuidenhout

GENIMEX AGENT IN DIE OOS KAAP

Die tipe, veral uiers en kapasiteit van die Deense Jerseys het my beïndruk. Produksie veral ten opsigte van vastestowwe en melkvolume is ongelooflik. Ek kan nou met oortuiging en trots die Deense produk in Suid Afrika namens Genimex bemark.

Chud Rouch

SUIWEL BOER EN JERSEY TELER VAN BONNIEVALE

Die mense is baie vriendelik en goed geleerd, die jeug het Engels as 2de taal op skool en maak klaar met skool op 16. Die Dene is baie familievas. Die boerdery stelsels is maklik en eenvoudig opgestel. Baie gemeganiseer wat boerdry duur maak. Grond en boerdery word baie streng deur die regering beheer en bewaar vir die nageslag. (Bv. mishandtering, kunsmisgebruik, en getal koeie wat aangehou mag word). Die Deense koeie is baie groter as wat in die veld verkondig word met uitstekende kappasiteit. Genetika is ver gevorder, wat vergemaklik word deurdat boere aandeelhouders is in VikingGenetics® en toegang het tot gevorderde tegnologie (bv. genomies en geslagsgeselekteerde semen). Streng seleksie word deur die boere toegepas en swak diere word gou uitgeskot. Deense liniere klasifikasie is baie streng, veral op hoewe en bene, speenplasing en uiers.

Aan die VikingGenetics® personeel, baie dankie vir al jul insette en reëlins. Ons is bederf en op die hande gedra. Veral aan Peter Larsen en Lars Kloster vir julle tyd en die manier wat julle jul kennis met ons gedeel het.

Jan Rossouw

SUIWEL BOER EN JERSEY TELER VAN BETHLEHEM.

Genimex, VikingGenetics®, Denemarke, Deense gasvryheid en veral Deense Jersey's is 'n absolute moet vir elke Jersey liefhebber! Wanneer die toer in my gedagtes opkom, kan ek nie anders as om aan die ander pelle saam op toer te dink nie en 'n glasje te lig en dan aan elkeen te sê: "Skol!" Wat vir my in die besonder uitgestaan het is die feit dat boere net 'n sekere getal diere volgens grootte van sy grond mag aanhou. Dit is dalk die rede waarom daar nie swak diere op die plase was wat ons besoek het, was nie!

Chris dankie vir jou en jou span se reëlins — dit was 'n uitstekende toer!

Jaco Janse van Rensburg

SUIWEL BOER EN JERSEY TELER VAN BONNIEVALE

Met ons besoek aan Denemarke was dit opvallend hoe vriendelik, gasvry, hulpvaardig en familievas die Dene is. Die kinders is goed opgevoed en goedgesmanierd. Dit lyk amper asof dit vir hulle n voorreg is om besoekers te onthaal.

Die boerdery is goed georganiseer en beplan om met minimum arbeid oor die weg te kom. Die boer en sy personeel behartig alle daaglikse take soos melk en na die diere omsien terwyl die ander groot minder permanente take soos oes, kuilvoer maak en miswater uitpomp deur kontrakteurs gedoen word. Die melkfabriek en KI-toetsstasie behoort ook aan die boere wat die boerdery verder versterk en sodoende is die rekordhouding van melk en teelmateriaal meer gevorderd en akkuraat. Die linier wat vir die bulle gebruik word is baie streng volgens die Deense behoeftes.

Die tipe melkbeeste is baie groter as wat bespiegel word. Dit is oor die algemeen lekker sterk vroulike beeste met baie diepte en uitstekende bene en veral goeie uiers, gesonde met min negatiewe afwykings agv streng seleksie en uitskot van swak diere.

Die personeel van VikingGenetics® het ons tot in die afgrond in bederf en reg deur die toer hul kennis met ons gedeel sodat ons presies geweet het wat en hoekom en hoe die mense alles doen. Hulle kennis van hulle werk en die genetika word direk weerspieël in die kwaliteit van hulle diere. Hulle bly voortgaan om nuwe moontlikhede te skep om genetika te bevorder en vinniger en meer doeltreffend in die sisteem in te bring.

Nagmaals dankie aan Genimex en VikingGenetics® se personeel vir n wonderlike toer!

Roché Cronjé

GENIMEX AGENT IN DIE WES KAAP

Die standaard van die toer was deurgaans van uitstaande gehalte. Die professionaliteit van die Dene wat die reëlins, gasvryheid en plaasbesoek betref was onoortreflik. Die kwaliteit van die koeie en die aanbieding daarvan het dit bevestig. In al die kuddes was daar 'n perfekte balans tussen produksie en die moderne tipe. Die hoë vlak van bestuur en tegnologie (bv melkrobette) was indrukwekkend. Dit het alle verwagtinge oortref. Denemarke se mense, koeie en hul genetika is 'n moet vir elke Jerseyboer.

Dit was 'n voorreg om die toer te kon meemaak.

Dankie aan Viking Genetics en Genimex.

- FOTO -

Agter van links na regs: Hennie van der Merwe (Suiwel boer en Jersey teler van Bonnievale), Hendrik Bezuidenhout (Genimex agent - Oos Kaap), Chud Rouch (Suiwel boer en Jersey teler van Bonnievale), Jaco Janse van Rensburg (Suiwel boer en Jersey teler van Bonnievale), Jan Rossouw (Suiwel boer en Jersey teler van Bethlehem), Daan Landman (Suiwelboer van die Tsitsikamma), Roche Cronjé (Genimex agent - Wes Kaap), Ander Anderson (VikingGenetics), Tienie Durr (Suiwel boer en Jersey teler van Malmesbury), Ian Oosthuizen (Suiwel boer en Jersey teler van Swellendam), Ben Coetzee (Suiwel boer en Jersey teler van Heidelberg WK)

Voor van links na regs: Chris Cloete, Willem van Lingen en Johan Muller (Genimex)

Ian Oosthuizen

SUIWEL BOER EN JERSEY TELER VAN SWELLEDAM

Denemarke 2009

Ons het Denemarke op sy mooiste gesien. Graangewasse se potensiaal het baie goed gelyk met 'n uitstekende vooruitsig vir goeie kwaliteit kuilvoer. Opvallend was die opgetofte meisies en ma's op hulle fietse in Kopenhagen, asook die kinders wat voorop die fietse sit met pa of ma wat besig is om werk toe te ry. Verder kuier die studente net soos hier, maar ongelukkig is hulle liever vir Engelse eerder as Deense musiek. Die mense is baie vriendelik en hulpvaardig.

Boerderystelsels

Omdat dit so koud en lank donker is in die winter, moet al hulle diere onder dak staan. Dit benodig 'n duur kapitale uitleg asook duur implemente om miswater/sand te hanteer. Die melkboere is totaal afhanklik van kleingraankuilvoer en suikerbeetreste om hulle deur winter en somer te neem. Die mielies wat hulle plant kry swaar a.g.v. gebrek aan hitte en stikstof.

Genetika

Die kapasiteit van die koeie is uitstekend, met geen tekort aan grootte, selfs by die Jerseys. Goeie uiers en bene, met melkvolume en vastestowwe wat van die beste is wat ek nog ondervind het. Die persone wat swak praat oor Deense Jerseys was nog nie daar nie, en slegs Deense bloed in SA sal hulle siening verander of hulle moet daar gaan kyk.

Viking Genetics

Vir die manier hoe die toer gereël en beplan was, moet ek weereens vir Chris en Johan baie geluk en dankie sê. Ek was al op 'n paar toere, en dié een was van die bestes. Ek moet dan ook vir die manne van Viking bedank vir die groot bederf. Die kuddes was van die bestes asook die KI stasie. Met hulle belegging in geslagsbepaalde semen gaan hulle hulle genetika vinniger oor die wêreld versprei, maar ongelukkig is hierdie semen vir ons baie duur.

Dan moet ek vir Anders en Peter bedank vir al hulle tyd wat hulle aan ons bestee het. Saam met hulle was ons almal op ons gemak en lus vir die toer.

Tienie Durr

SUIWEL BOER EN JERSEY TELER VAN MALMESBURY

Dit was vir my n baie goed beplande toer, met die Dene wat weet hoe om mens te onthaal. Van die eerste plaasbesoek tot die laaste het ons uitstaande goeie koeie gesien. Wat my opgeval het was is die eenvormigheid van die kuddes. Die koeie is groot met goeie tipe met hoë vastestowwe en baie melk.

Bulle soos Zik, Impuls en Bungi se dogters was uitstaande. Ek dink diene wat dié bulle gemis het, moet dit dalk sterk oorweeg om hul seuns te gebruik. Hulle kan 'n groot aanwinst tot jou kudde wees. Tenslotte dink ek persoonlik 'n mens moet twee keer dink voor jy die Deense genetika afskryf.

Baie dankie Genimex en VikingGenetics® vir n wonderlike toer.

Ben Coetzee

SUIWEL BOER EN JERSEY TELER VAN HEIDELBERG WK

Die toer na Denemarke was 'n ongelooflike ervaring gewees. Die gasvryheid van die boere op die plase en hoe hulle ons as toer groep ontvang het, sal altyd onthou word. Die boere daar is baie trots op hul beeste en die Deense genetika. VikingGenetics® se personeel het uit hul pad gegaan om alles vlot te laat verloop.

As ek terugkyk na die genetika wat ons gesien het was dit Q Impuls se invloed op tipe by sy vroulike nageslag en Q Zik s'n met goeie uiers. Hierdie twee bulle het vir my uitgestaan in die kuddes wat ons gesien het. Verder kan die twee bulle as 'n kombinasie gebruik word. Die vastestowwe in die kuddes is hoog, volop voer speel 'n groot rol in die persentasies wat bereik word, met koeie wat almal in 'n uitstekende kondisie is.

Baie dankie aan Genimex (Chris Cloete) wat die toer vir ons moontlik gemaak het.



Die Volmoed Trust Jersey Kudde van Proteem presteer tydens die 2009 Overberg Jersey Klub Kudde Kompetisie

Die Volmoed kudde, bestuur deur Toit Fourie het uitstekend presteer tydens die kudde kompetisie en ontvang drie toekennings.

2de Laktasie groep klas 1ste plek

1ste Laktasie groep klas 1ste plek

2de Laktasie koeie 1ste plek

In die Overberg Jersey Klub Kudde Kompetisie 2009 was die kompetisie baie sterk. 22 Kuddes het deelgeneem en die beoordeling het oor 5 dae plaasgevind.

Vanjaar se beoordeelaar was Dr Johan Jooste. Veelsgeluk aan Dr Jooste vir die puik manier wat hy die moeilike taak hanteer het. (1070 koeie beoordeel in die vyf dae).

Die algehele winners van die 2009 kompetisie was:

1ste plek	Jan Schoonwinkel	Plaas Kluitjieskraal	Swellendam
2de plek	Oom Cyril en John Walker	Cineraria Jersey kudde	Greyton
3de plek	Volmoed Trust	Volmoed Trust Jersey kudde	Protem



Pierre Coetzee, organiseerder van die Kudde Kompetisie, Toit Fourie, algemene bestuurder van Volmoed Trust en Dr. Johan Jooste Beoordelaar van die 2009 Kudde Kompetisie



Die span wat verantwoordelik is vir die melkery by Volmoed Trust.
 Agter vlnr: Simphiwe, Stefan (Kalwegrootmaak), William en Robert (KI)
 Voor vlnr: Godfrey en Elvis



Willem van Lingen (Genimex agent in Suid Kaap), Toit Fourie (Algemene Bestuurder Volmoed Trust) en Chris Cloete (Genimex)



LOOK 0606

Aangewys as die beste 2de Laktasie koei tydens die 2009 Overberg Jersey Klub Kudde Kompetisie. (Voorblad koei)



LOOK 0685 (Links)

Oud.	Melk kg	BV kg	Prot kg	BV%	Prot%	MI	BI	PI
1/9	6114	302	246	4.94	4.03	109	105	109

LOOK 0606 (Regs)

Oud.	Melk kg	BV kg	Prot kg	BV%	Prot%	MI	BI	PI
2/2	5269	277	211	5.25	4.01	110	112	111

South Africa Breeders & Genimex visit to Denmark

8 - 14 June 2009

For many years we have had very good relations with the South African Dairy Cattle Breeding fraternity, both through the breeding Societies like Jersey SA and especially through Genimex, marketing the Danish Genetics. The market in SA has developed positively as the mutual understanding of what you require and what we can offer has increased.

We, in VikingGenetics® (Danish Jersey and Danish Holstein), have a very efficient testing programme giving us the possibility of calculating breeding values of all heritable traits. Our base is Danish pedigrees with the influence of the best genetics from other leading populations. The gene distribution in the Jersey breed is approx 63% Danish, 28% US, 7% Canadian and 2% NZ. This results in very high levels of health, longevity, fertility, percentages and functional conformation scores. For the Holstein population the gene distribution is wider, with genes from US, Holland, Canada and a little from Germany, France and Sweden.

During the last couple of years we have introduced Sexed Semen and Genomic Selection, technologies that ensure our leading position internationally. VikingGenetics® bulls are now influencing active sire lists all over, with top rankings or with their sons.

SA Visitors

We in Denmark, were very delighted to finally have a group of SA breeders visiting us in June! We have longed to show you how we farm and breed. It is one thing to select bulls from breeding values, photos and catalogues, yet another to add the experience from the farms, the environment, the sampling and registration system behind the figures. We are sure that it gives a much better impression and makes you feel much more confident with the product, when you have "looked behind the figures". Danish bulls selected by Genimex will do extremely well under SA conditions!

D Banker Daughter



© Elly Geverink

It is as important to us to have groups visiting us, as it is for us to visit you in SA. From the June 2009 group we learned a lot about SA conditions, - financial, climatic, environmental, etc., helping us to understand that not all of you are going for the same type of bull. (In Denmark we have one breeding goal, as the Country is small and conditions are the same for all, excepting organic farmers). Information like this is important for us to understand which bulls should be marketed in SA. Due to the fact that conditions are different for dairy breeders worldwide, breeding goals will be different and no bull can be the best all over, however we are sure that our bulls will rank well internationally. Mutual visits and mutual understanding of breeding systems are very important to identify them.

A special thank you to the organizers of the trip to Denmark and to the visiting group. The Danish breeders visited and we who took the group, around agree that it was a great pleasure to host such an inspiring, enthusiastic and positive group.

See you in SA!

- and hopefully we will see many more SA breeders in Denmark in the future!



Export Manager Anders Andersen and Breeding Manager Peter G. Larson, Danish Jersey.

Genimex in association with Viking Genetics is proud to introduce a new Holstein bull to our line up

D BANKER

Hb # 247111

V Bojer X B Patron X Belt

Offering: An outcross pedigree
Outstanding Functional Traits
Great type and Mammary



ITALY LAUNCHES IT'S

'Sex Sorted Semen'

PROGRAMME

The 3rd and 4th of September 2009 saw the launch of sexed semen produced in Italy. Semen Italy and Genetica 2000 the two largest cattle breeding organisations in Italy combined forces and purchased four Sexing machines from Sexing Technologies in Texas.

The launch of the Foemina (Latin for Femina) programme took place in the coastal town of Milano Marittima where the complete sales forces of both Genetica 2000 and Semen Italy (150 in total) gathered to learn more about the sexing process and market edge that this technology offers. Also invited to the meeting were the International distributors of Semenzoo the International marketing arm of the Italian AI companies. Genimex together with numerous International distributors attended the meeting. Roche Cronje, the Genimex salesman from the Western Cape, Martin Voigt a prominent breeder and valued customer of Genimex and Chris Cloete attended the meeting.

The objective of the meeting was to explain the technology and advantages of using sex sorted semen. The technology of sex-sorting semen using the cytofluorimeter as developed by Sexing Technologies of Texas in the USA was explained by Dr Cinzia Cazali who manages the ST Laboratory at Modena, Italy.

In broad terms the technology is based on the difference in the DNA content of the X and the Y spermatozoa. In bovines the Y spermatozoa has 3.8% less DNA than the X spermatozoa.

The first step in the process is to expose the semen to a dye which penetrates the semen cells binding to the DNA without damaging it. The dye is fluorescent and when hit by a laser beam it emits light.

The spermatozoa are pumped into a cytofluorimeter at 90km per hour and the continuous flow of the liquid that contain the sperm cells is interrupted by the oscillations of a piezoelectric crystal (9000 oscillations per second) and is thus divided into droplets containing one sperm cell each. The cells are exposed to a laser beam and as the X chromosomes contains more DNA they will emit more light.

The difference in the light emitted is detected, a positive charge is applied to the sperm cells containing the X chromosome and a negative charge is applied to the sperm cells containing the Y chromosome. No charge is applied to the spermatozoa that have absorbed no dye or cannot be accurately read or where there is more

than one cell in a droplet. The flow of the droplets is then passed through charged plates which separate the X, Y and dead spermatozoa. The net effect is that 20% of spermatozoa is separated and collected as female cells, 20% is separated as male cells and are discarded with the dead or incorrectly identified cells.

After sexing each batch goes through very stringent quality control tests and only then will it be made available to the market.

In practice it is accepted that sex sorted semen will give 90% female calves, this is as result of the settings on the process and not because of inaccuracies. Due to the process resulting in semen with a lowered concentration of sperm cells in a straw one must expect lower conception than with conventional semen. Internationally the conception rate of sexed semen is in the region of 15% lower than that with conventional semen.

Therefore, when using sexed semen ensure the basics are done correctly in order to optimise conception rates, such as aspects of management, nutrition, heat spotting, insemination technique etc.

Genimex and all our suppliers undertake to market sexed semen only of the best bulls and not of bulls that are past their peak demand.

Compiled from proceedings of the presentations at the meeting. For more information contact chris@genimex.co.za

The Foemina Laboratory in Modena Italy

FOEMINA



PRODUKSIE, LANKLEWENDHEID EN TIPE. NET WAT ONS VERWAG VAN DEENSE JERSEYS

Cineraria Funic's 01152

'n Dogter van die Deense bul FUNIC in die kudde van Cyril en John Walker. Die Funic dogter het uitstekend gevaar op Nasionale Jersey Kampioenskappe en derde geëindig in die Goue Koei Klas.



Leeftydproduksie: 39523 kg Melk. 381 dae TKP 6 Laktasies

Hoogste laktasie:

Lak #	Oud	Melk kg	Vet kg	Prot kg	BV%	Prot%	MI	BI	PI
4	5/4	8048	391	296	4.86	3.68	116	117	110

VNR Lemvig 2021

Die dogter van die alombekende bul FYN LEMVIG was aangewys as die beste in die klas 3de laktasie en ouer. Geteel deur Willie van Niekerk van Caledon.



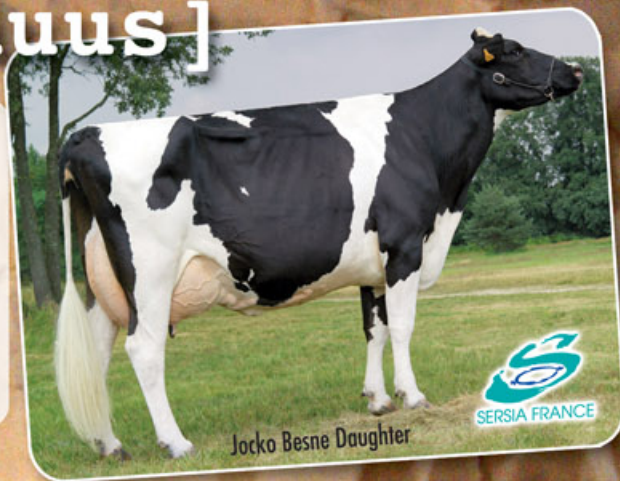
Leeftydproduksie: 40409 kg Melk. Vet 2134kg (5.28%)

Prot 1595kg (3.95%) 407dae TKP 5 Laktasies

[genimex news/nuus]

September saw JOCKO celebrating his 15th birthday. What a prolific bull he has been, he has thus far produced 1 640 000 units of semen and is still going strong. With 112167 daughters in 22905 herds in France JOCKO BESNE remains a winner. We do not know how long he will still be available to us so contact your local agent if you require semen.

Unfortunately his son RADICAL died unexpectedly and there is no more semen available. The RADICAL daughters in South Africa will be calving in large numbers over the next few months. If you missed this bull do not despair, however be disappointed as we expect great things from this all-round bull, albeit posthumously. There are many great Holstein bulls in the GENIMEX line up for 2009/2010.



Shawn Buckley (Genimex agent in George streek), Shorty van Niekerk (Kudde bestuurder van die van Greunen Brs) en Christy van Greunen (van Greunen Brs). Tydens die George kudde kompetisie 2009. Die groep verse is dogters van die Franse Holstein bul LONAMY.



Enzootic Bovine Leukosis (EBL) eliminated from NZ dairy industry.

The New Zealand dairy herd is now EBL free, thanks to the combined efforts of the New Zealand dairy industry. The NZ Dairy EBL Control Scheme is the only industry-driven programme to have achieved complete control of a disease without any government intervention. As a result of the EBL Control Scheme, herd infection rates fell from nearly 10% in 1997 to below 0.1% by 2005.

Complete eradication of pockets of infections amongst the last few herds has required intensive monitoring for several years, but finally in 2008/09 no EBL infected dairy herds were detected. EBL (or Enzootic Bovine Leukosis) is a viral disease of cattle which may cause cancer in bovines.

The dairy industry (DairyNZ) continues to fund the scheme, while Livestock Improvement (LIC) carries out the testing and administers the scheme. However the success of the EBL Control Scheme is a testament to farmer participation and the cooperation of all dairy companies who have without exception continued to support it to this day.

The EBL Control Scheme pioneered the use of pooled herd test milk samples for cost-effective disease control. At the height of the scheme millions of milk samples were screened annually.

As the incidence of EBL has reduced and the vast majority of herds remained EBL-free, primary screening using whole herd vat samples from dairy companies has gradually been implemented.

EBL-free herds have been vat tested every second year without any need to involve the dairy farmers. To guard against re-emergence of the disease the screening of vat samples must be maintained.

Fortunately there is little or no evidence of EBL amongst beef herds, although no systematic testing has been undertaken. Natural mating beef bulls brought into dairy herds therefore remain a potential risk to EBL-free dairy herds. It is thus imperative that bulls continue to be screened for EBL before mating. Disease testing should ideally be carried out at the same time as BVD screening and vaccination before the bull is brought onto the property.

While EBL control has been achieved by the NZ dairy industry without any MAF involvement, the Scheme is recognised internationally and used by MAF for export certification of cattle and germplasm, boosting New Zealand's image as a biosecurity haven.



Another Ayrshire Winner from the stable of Cattle Services (AYR) Ltd

We are pleased and proud to introduce the new bull

ARDMORE CROWN NAPIER

0306180947 - 100% Ayrshire

Sire: Meikle Lought Triple Crown { G.S.: Ballyclan First Command
G.D.: Meikle Lought Tanya 11

Dam: McCornick Nepeta 3 EX 93 { G.S.: Blackaddar MM Patrick
G.D.: High Balyett Nepeta 16 EX 91



Ardmore Orphan 85

- Outcross sire
- Medium sized cows
- High Milk
- Excellent mammary

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SEMEN AVAILABLE
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Ardmore Lena 47



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