STgenetics®

Euroopa Liit maaelu arenguks

Euroopa Maaelu Arengu Põllumajandusfond: Euroopa investeeringud maapiirkondadesse

Welcome!

SexedULTRA 4M™

1

Louis Prange

VP International Sales

Elm Park Farms, Ltd.

Black Rose
EX-96

All-American, All Canadian, Supreme Champion Royal Winter Fair 1996

13 Consecutive Years Premier Breeder — WDE

STgenetics® | SexedULTRA 4M™

2

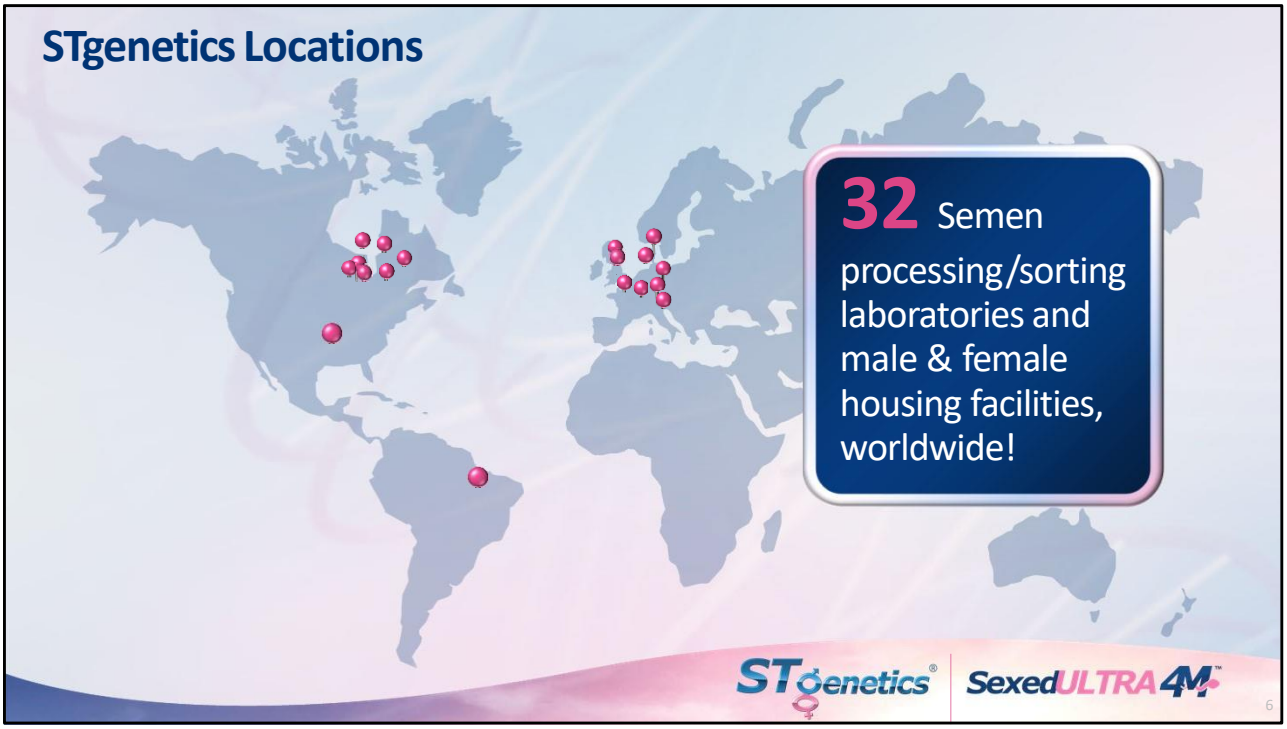
Breeding Advantages using the full STgenetics Program

1. STgenetics - About Us
2. SexedULTRA 4M™
3. Genetic Engine
4. Genetic Gain
5. Genomic Testing
6. Chromosomal Mating
7. Breeding Strategies
8. ecofeed™

Who is Sexing Technologies

Leader in Technology, Livestock genetics and Reproduction

STgenetics Locations



Corporate Headquarters

Navasota, Texas

STgenetics® SexedULTRA 4M™

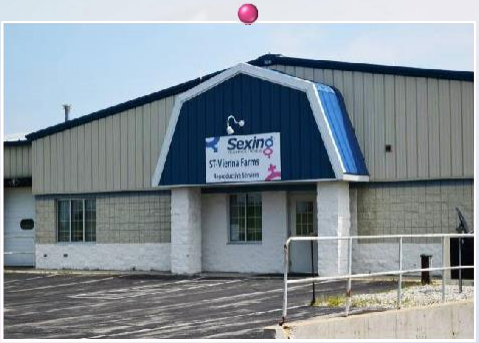
7

STgenetics & Sexing Technologies

Wisconsin Facilities

STgenetics, Fond du Lac, Wisconsin

ST Vienna, DeForest, Wisconsin



STgenetics® SexedULTRA 4M™

8

STgenetics & Sexing Technologies

Wisconsin Facility

STgenetics, Fond du Lac, Wisconsin

STgenetics SexedULTRA 4M™

9

Sexing Technologies,

Ohio Heifer Center

STgenetics SexedULTRA 4M™

10

Cogent Bull and Sorting Facilities

Ontario, Canada

ST Genetics® SexedULTRA 4M™

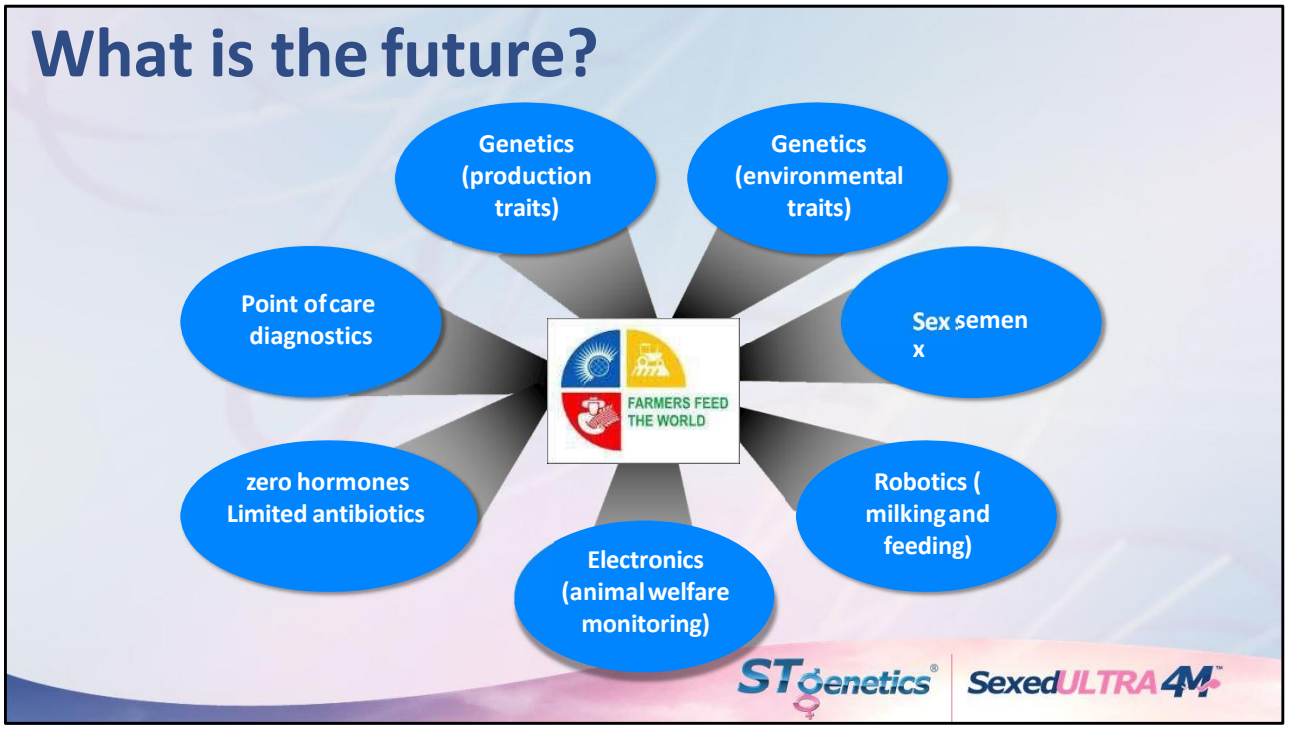
11

Cogent UK Headquarters

United Kingdom

ST Genetics® SexedULTRA 4M™

12


What is the future?
Genetics (production traits)
Genetics (environmental traits)
Point of care diagnostics
Sex semen x
FARMERS FEED THE WORLD
zero hormones Limited antibiotics
Robotics (milking and feeding)
Electronics (animal welfare monitoring)
STgenetics
SexedULTRA 4M™


SexedULTRA 4M™
STgenetics
SexedULTRA 4M™

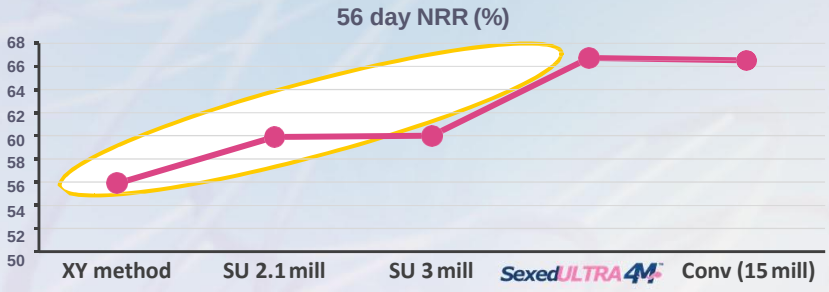
SexedULTRA 4M™

- New Procedure System
- New Equipment
- Consistent Temperature System
- Stain Optimization
- Advanced Extenders
- Better & Consistent Ph System
- Oxidation Reduction
- Dead Cells Separation
- 4 Million Cells

STgenetics® | SexedULTRA 4M™

15

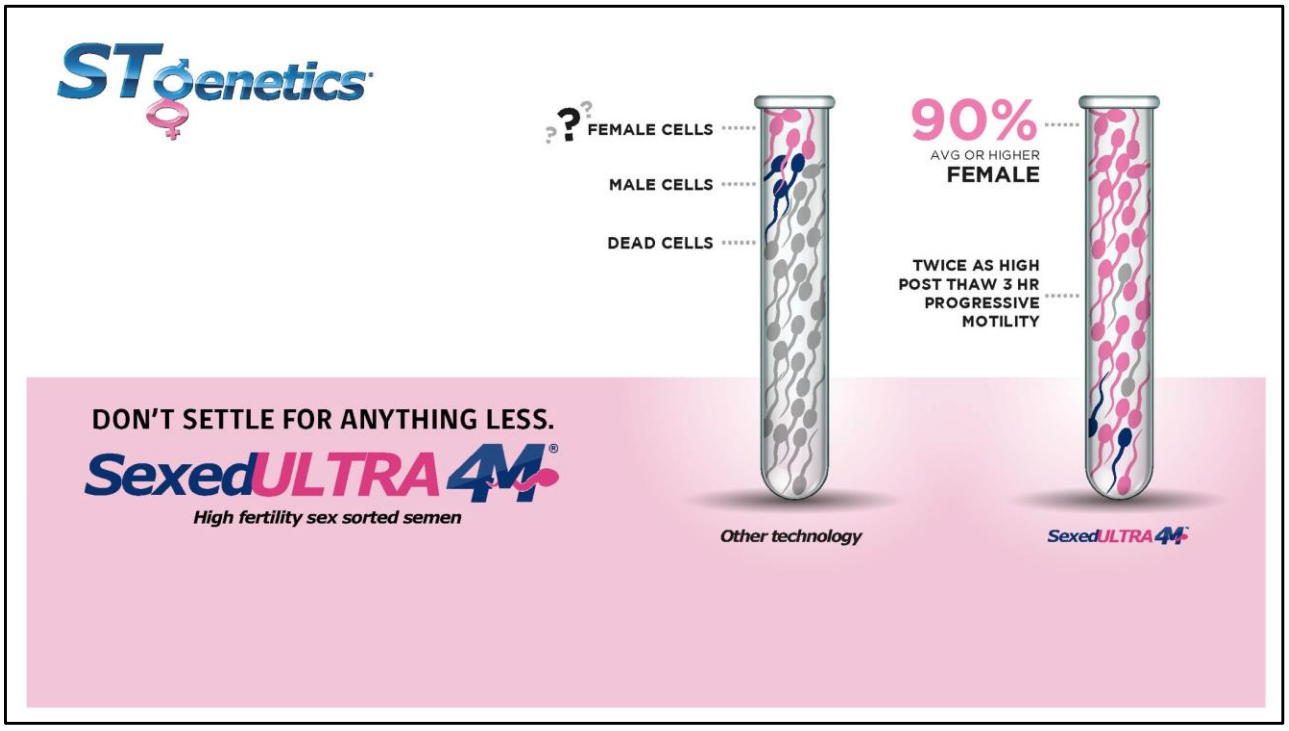
High Fertility Trials with New SexedULTRA 4M™

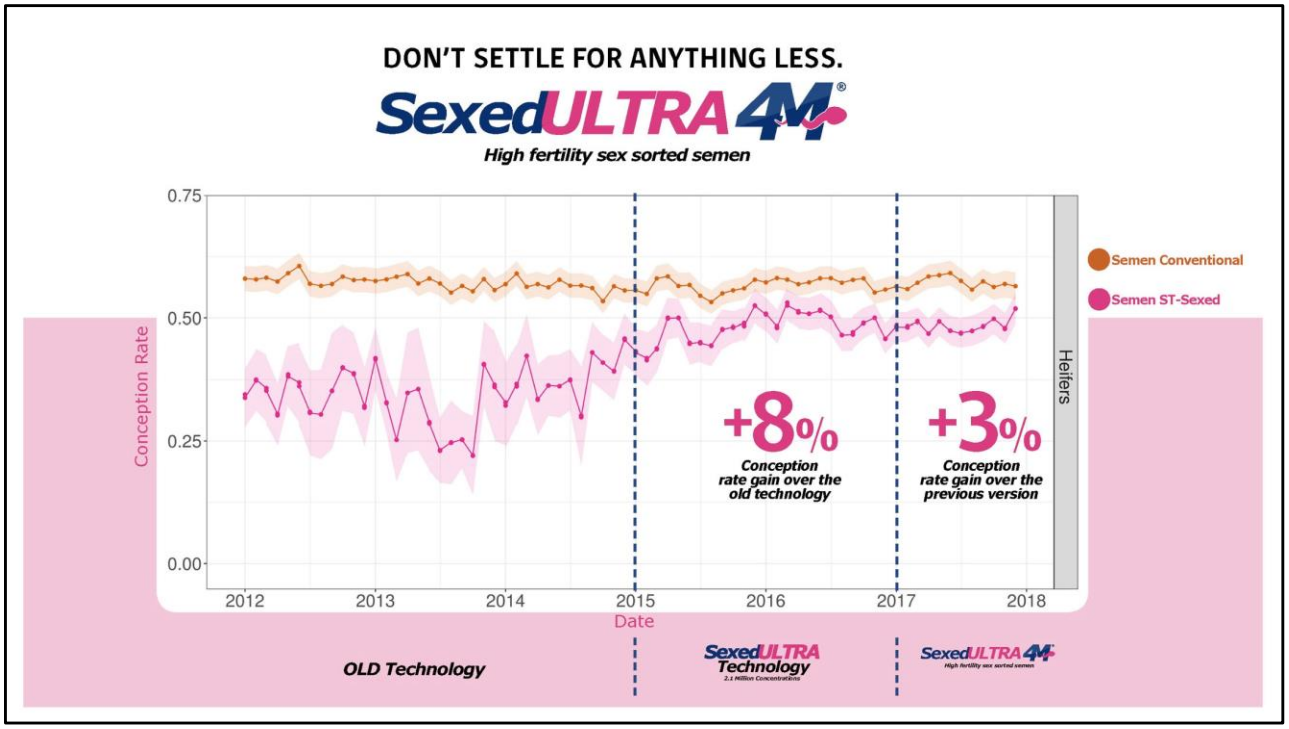


Treatment	Number of inseminations	56 day NRR (%)
XY method	1953	55.9[A]
SU 2.1 mill	1999	59.9[B]
SU 3 mill	2013	60.0[B]
SU 4 mill	1890	66.7[C]
Conv (15 mill)	62,398	66.5[C]

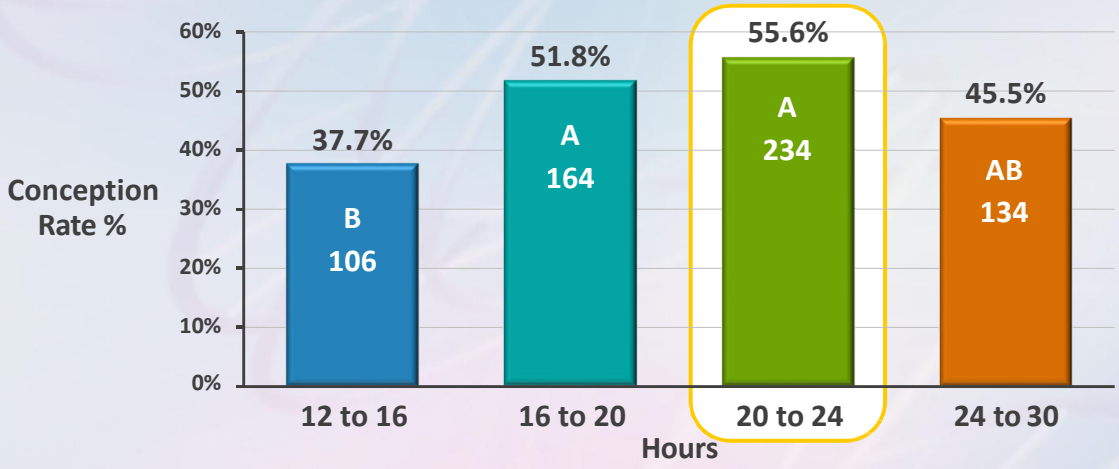
STgenetics® | SexedULTRA 4M™

16


STgenetics
FEMALE CELLS
MALE CELLS
DEAD CELLS
90%
AVG OR HIGHER
FEMALE
TWICE AS HIGH
POST THAW 3 HR
PROGRESSIVE
MOTILITY
DON'T SETTLE FOR ANYTHING LESS.
SexedULTRA 4M
High fertility sex sorted semen
Other technology
SexedULTRA 4M


DON'T SETTLE FOR ANYTHING LESS.
SexedULTRA 4M
High fertility sex sorted semen
0.75
0.50
0.25
0.00
Conception Rate
2012
2013
2014
2015
2016
2017
2018
Date
Heifers
Semen Conventional
Semen ST-Sexed
+8%
Conception rate gain over the old technology
+3%
Conception rate gain over the previous version
OLD Technology
SexedULTRA Technology
SexedULTRA 4M

Sexed Semen Conception Rate on Different AI Intervals After Standing Heat n= 638 Heifers



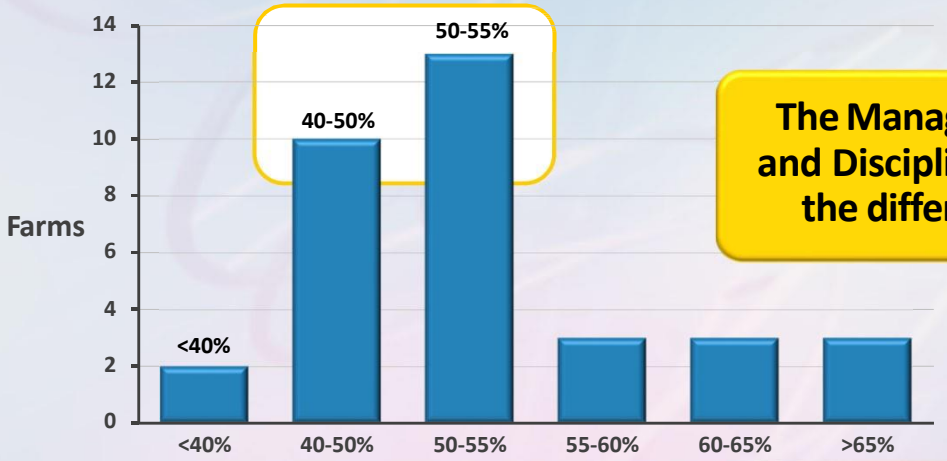
Interval Between Onset of Heat and Insemination

STgenetics® SexedULTRA 4M™

19

Why are There a lot of Conception Rate Differences Between Dairies?

More than 30 dairy farms evaluated in California



The Management and Discipline make the difference!

STgenetics® SexedULTRA 4M™

20

Genetic Engine

SexedULTRA 4M™

21

Black & White Holsteins

Brown Swiss

Red & White Holsteins

Jersey

STgenetics® | SexedULTRA 4M™

22

Black Angus

Wagyu

British Blue

Red Angus

Simmental

STgenetics® SexedULTRA 4M™

23

Holstein Top 22 NM$ Proven Bulls – *August 2019*

Rank	Name		TPI	NM$	Milk	Fat	% Fat	Pro	% Pro	
1	ABS ROWDY-ET TC	29HO17947	+2730G	996	2737	86	0.01	114	0.04	
2	ABS RAIDEN-ET TC	29HO17941	+2704G	983	2131	63	-0.01	109	0.1	
3	AOT SILVER HELIX-ET TR	14HO07770	+2811G	978	2254	80	0.04	133	0.17	
4	MELARRY JOSUPER FRAZZLED-ET TR	7HO12788	+2731G	970	2158	65	0	100	0.07	
5	CO-OP TROY PILEDRIVER-ET TR	1HO12786	+2717G	969	3203	97	0	114	-0.02	
6	EDG RUBICON-ET TC	151HO00681	+2755G	959	1262	56	0.06	120	0.26	STgenetics
7	WILRA COLEMAN-ET TC	29HO18077	+2640G	947	1565	45	-0.01	111	0.18	
8	S-S-I MONTROSS DUKE-ET TR	250HO13267	+2758G	935	2798	95	0.03	134	0.1	
9	UECKER SUPERSIRE JOSUPER-ET TR	29HO17553	+2697G	929	3147	90	-0.02	105	-0.04	
10	MR MOGUL DELTA 1427-ET TR	203HO01468	+2698G	909	1613	54	0.02	88	0.1	STgenetics
11	MR MCCUT DANTE 1407-ET TC	203HO01513	+2711G	897	2734	88	0.02	102	0	STgenetics
12	L-L-M-DAIRY POND PASSAT-ET TR	7HO12659	+2655G	892	1590	51	0.01	96	0.13	
13	CO-OP AARDEMA TRACER-ET TR	1HO11926	+2677G	891	2208	73	0.02	90	0.03	
14	SEAGULL-BAY JO DANCER-ET TR	29HO18018	+2624G	881	1298	61	0.08	110	0.22	
15	WOODCREST MOGUL YODER-ET TR	7HO12266	+2657G	879	1045	49	0.06	103	0.23	
16	BRYHILL ALTAHOTSHOT-ET TR	11HO11523	+2604G	871	1520	46	0	95	0.13	
17	DE-SU MILLINGTON 12074-ET TR	7HO12421	+2688G	870	1448	57	0.05	114	0.21	
18	HURTGENLEA YDR OUTSIDERS-ET TR	7HO12819	+2669G	861	1955	62	0.01	95	0.08	
19	PEAK ALTATURNKEY-ET TR	11HO11718	+2609G	852	1126	49	0.05	97	0.2	
20	CO-OP ROBUST CABRIOLET-ET TP	1HO10396	+2487G	850	925	50	0.08	94	0.21	
21	DE-SU 12693 SKYFALL-ET TC	29HO17918	+2640G	848	1352	47	0.02	96	0.16	
22	MR OAK DELCO 57279-ET TC	151HO00744	+2578G	843	2737	73	-0.03	79	-0.08	STgenetics

August 2019

STgenetics® SexedULTRA 4M™

24

Holstein Top 25 TPI Proven Bulls – *August 2019*

			PRODUCTION					HEALTH					CONFORMATION					
Rank	Name	NAAB	PRO	FAT	MILK	FE	%R	SCS	PL	%R	LIV	FI	PTAT	%R	UDC	FLC	BWC	TPI®
1	AOT SILVER HELIX-ET	14HO07770	133	2254	279	99	3.03	4.0	87	-1.1	0.3	1.90	95	1.66	0.98	0.42	2811	G
2	S-S-I MONTROSS DUKE-ET	250HO13267	134	2798	292	98	2.87	4.1	86	-2.6	-2.1	1.97	96	1.97	-0.40	0.98	2758	G
3	EDG RUBICON-ET	151HO00681	120	1262	233	99	2.79	6.2	96	2.8	-0.9	2.13	99	1.68	2.50	0.50	2755	G
4	MELARRY JOSUPER FRAZZLED-ET	7HO12788	100	2158	215	97	2.46	7.9	85	3.1	0.2	1.23	90	1.68	0.57	-0.07	2731	G
5	ABS ROWDY-ET	29HO17947	114	2737	261	97	2.83	6.3	85	2.5	0.1	1.04	90	0.64	-0.44	0.13	2730	G
6	CO-OP TROY PILEDRIVER-ET	1HO12786	114	3203	281	97	3.14	5.0	86	0.4	-2.7	1.87	90	1.41	1.54	-0.44	2717	G
7	MR MCCUT DANTE 1407-ET	203HO01513	102	2734	248	99	2.88	4.8	89	1.2	-1.5	2.30	96	1.52	0.67	0.25	2711	G
8	ABS RAIDEN-ET	29HO17941	109	2131	229	96	2.72	6.3	86	4.5	-0.4	1.31	91	1.74	0.50	-0.50	2704	G
9	MR MOGUL DELTA 1427-ET	203HO01468	88	1613	204	99	2.90	7.4	97	2.7	0.6	2.12	99	2.82	1.48	-1.30	2698	G
10	UECKER SUPERSIRE JOSUPER-ET	29HO17553	105	3147	235	99	2.80	5.6	98	2.2	-1.2	1.47	99	1.11	-0.07	1.26	2697	G
11	DE-SU MILLINGTON 12074-ET	7HO12421	114	1448	232	99	2.65	4.2	90	0.2	0.3	1.86	97	1.56	1.01	-0.13	2688	G
12	DE-SU 12779 ENZO-ET	29HO18016	67	2231	162	92	2.65	7.4	83	3.1	2.0	1.80	88	2.32	1.55	-0.23	2677	G
13	PEAK ACCELRENOWN-ET	14HO07811	82	1139	153	94	2.81	4.4	83	4.3	1.4	2.71	90	3.07	1.67	0.83	2672	G
14	HURTGENLEA YDR OUTSIDERS-ET	7HO12819	95	1955	197	94	2.85	5.6	83	2.7	0.6	1.66	86	1.59	1.59	0.74	2669	G
15	S-S-I KINGPIN PHANTOM-ET	7HO13334	111	2131	247	97	2.78	3.1	84	-0.5	-1.4	2.07	92	1.44	0.42	1.04	2665	G
16	WOODCREST MOGUL YODER-ET	7HO12266	103	1045	216	99	3.00	5.0	98	2.6	1.4	1.52	99	1.90	1.33	-0.62	2657	G
17	L-L-M-DAIRY POND PASSAT-ET	7HO12659	96	1590	197	95	2.85	6.9	85	2.2	2.1	1.02	91	1.57	0.53	-0.36	2655	G
18	COOKIECUTTER HARPER-ET	29HO17747	80	565	202	96	2.74	5.1	84	0.5	0.9	2.07	92	1.68	2.21	0.41	2640	G
19	DE-SU 12693 SKYFALL-ET	29HO17918	96	1352	184	96	2.68	6.3	86	3.0	1.2	1.56	92	1.40	1.46	0.40	2640	G
20	WILRACOLEMAN-ET	29HO18077	111	1565	206	96	2.83	7.3	86	3.9	2.4	0.69	91	1.11	-0.50	-0.43	2640	G
21	DE-SU ALTALEAF-ET	11HO11478	91	2415	194	99	2.70	4.5	94	1.6	-0.3	2.38	96	1.57	1.38	0.61	2634	G
22	MR MOGUL DENVER 1426-ET	151HO00690	107	2411	243	99	3.07	3.3	93	-1.1	-2.0	2.02	99	2.83	0.79	-0.06	2634	G
23	ENDCO APPRENTICE-ET	200HO10648	65	1507	159	93	2.60	6.3	83	1.9	1.6	1.96	85	2.17	1.34	-0.02	2630	G
24	MR JACEY DECOY 57578-ET	203HO03005	54	2841	208	97	2.72	5.9	84	1.9	1.1	1.03	87	1.04	0.77	-0.67	2628	G
25	SEAGULL-BAY JO DANCER-ET	29HO18018	110	1298	231	96	2.62	5.9	86	2.3	-0.3	1.44	89	1.13	-0.41	0.38	2624	G

August 2019

STgenetics® SexedULTRA 4M™

25

Top 20 TPI Genomic Young Bulls – *August 2019*

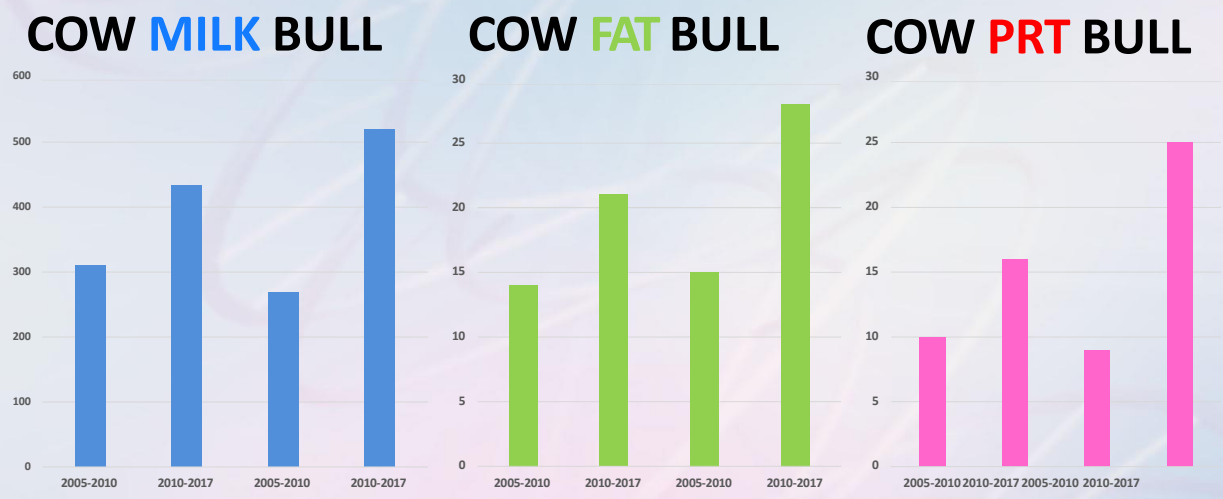
			PRODUCTION					HEALTH					CONFORMATION					
Rank	Name	NAAB	PRO	FAT	MILK	FE	%R	SCS	PL	%R	LIV	FI	PTAT	%R	UDC	FLC	BWC	TPI®
1	PEAK ALTAZAZZLE-ET	11HO15036	76	124	1689	279	76	2.70	8.5	72	4.9	1.4	1.72	73	1.92	0.49	-0.31	2977G
2	DENOVO 2800 PRINCE-ET	29HO19010	63	123	1107	252	77	2.65	8.0	73	4.3	2.5	1.85	75	1.69	0.90	0.58	2940G
3	PINE-TREE HEROIC-ET	29HO19000	61	139	1334	286	77	2.78	7.3	73	3.7	0.7	1.72	76	2.25	0.89	-1.14	2928G
4	SILVERRIDGE V EINSTEIN-ET	200HO11586	76	104	1837	240	76	2.66	8.3	72	2.4	1.5	2.11	74	2.52	0.74	0.56	2918G
5	BOMAZ FASTBALL-ET	200HO11505	77	98	2704	226	79	2.71	7.9	74	2.9	1.1	2.07	77	2.44	1.99	-0.10	2901G
6	PINE-TREE CW LEGACY-ET	7HO14250	63	109	1427	246	80	2.44	8.7	74	4.6	2.5	1.18	77	1.87	0.54	-0.81	2898G
7	MR DYNASTY NASHVILLE-ET	551HO03600	80	96	2124	249	77	2.69	8.8	74	4.3	2.0	1.55	76	1.54	1.53	-0.81	2897G
8	PLAIN-KNOLL SI MAGNITUDE-ET	7HO14792	46	89	1105	172	77	2.49	8.8	72	4.3	4.1	2.36	76	2.72	1.16	0.89	2891G
9	PEAK ALTAPLINKO-ET	11HO15037	89	113	2080	288	76	2.71	7.3	72	2.8	1.8	0.78	73	0.76	0.26	-0.74	2870G
10	S-S-I PR RENEGADE-ET	250HO14134	74	104	1729	234	77	2.72	5.8	73	2.5	1.7	2.16	76	1.77	1.74	0.87	2869G
11	DELICIOUS H-NOON TAMPA-ET	551HO03797	77	79	2229	223	77	2.65	9.1	73	4.4	2.7	1.62	74	1.88	1.03	-1.10	2868G
12	DELICIOUS CHARL YIS-ET	551HO03872	57	91	1550	205	77	2.68	8.6	73	5.2	3.4	1.92	75	2.45	0.28	-0.50	2865G
13	EDG NOBLE IMPERIAL-ET	551HO03812	65	81	1528	208	77	2.62	8.2	72	4.6	2.9	1.92	75	2.60	0.82	-0.53	2864G
14	S-S-I BG FRZZLD RIVETING-ET	614HO14220	54	74	1320	174	79	2.41	8.8	74	5.2	3.2	2.02	78	2.70	1.33	0.11	2860G
15	CLAYNOOK ZONE-ET	200HO11667	79	125	1697	283	76	2.87	6.7	72	2.3	1.2	1.45	74	1.56	0.17	-0.02	2856G
16	ST GEN NOBLE DUBAI-ET	551HO03800	64	85	1357	215	77	2.69	8.5	73	5.7	2.4	1.89	75	2.48	0.67	-0.52	2853G
17	PROGENESIS MAESTRO-ET	200HO11330	66	94	1709	210	77	2.77	7.1	73	3.6	1.0	2.59	74	2.80	1.74	0.60	2851G
18	DENOVO 14652 ROYAL-ET	29HO18903	79	133	1861	295	79	3.11	4.3	74	-0.2	0.3	2.14	78	2.31	0.73	-0.47	2849G
19	DENOVO 15225 SELTZER-ET	29HO19087	71	90	1876	215	77	2.79	6.4	73	1.7	1.8	2.04	75	2.56	1.46	0.30	2849G
20	BLUMENFELD BLUECHIP-ET	200HO11687	63	113	1519	234	80	2.38	8.0	74	3.7	0.5	1.76	77	1.67	1.29	0.37	2848G

26

Genetic Gain

27

Comparison Last 5 Years Before and First 5 Years After Introduction of Genomics Production Traits



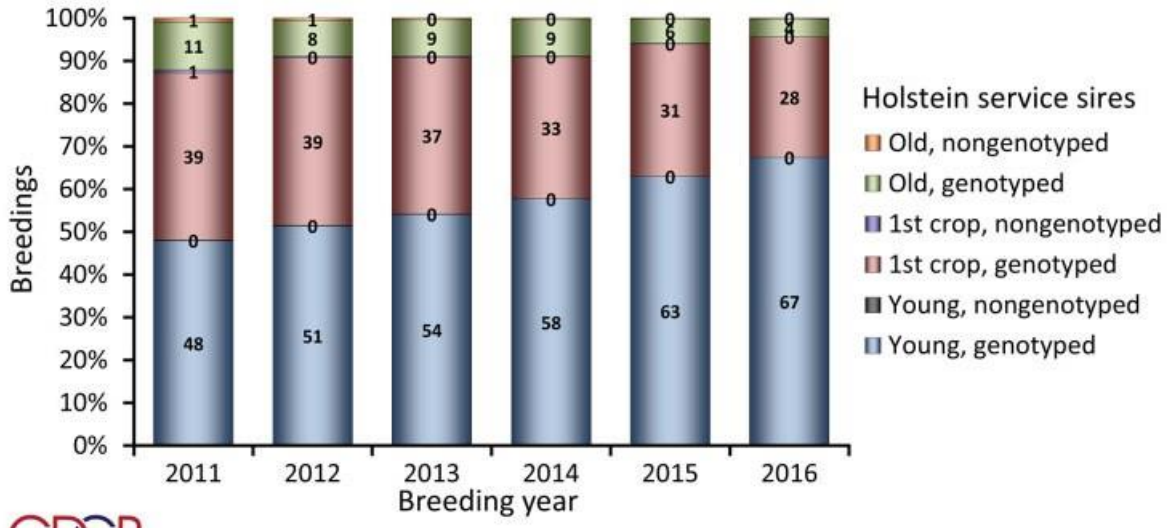
28

Comparison Genomic to Proven Top 10

	2017 NM$	2014 NM$	PA 2014 NM$	Daughters 2017	AI Sons 2017
Proven	563	543	311	9,733	16
Genomic	668	666	511	3,886	50
Difference	105	123	200	5,847	34

ST Genetics | SexedULTRA 4M

AI breedings to genomic bulls



CDCB

Wiggans, BAIF International Workshop, Pune, India, November 2017 – 13

21

Genomic Prediction of Progeny Test

0 1 2 3 4 5

Select parents, transfer embryos to recipients

Calves born and DNA tested

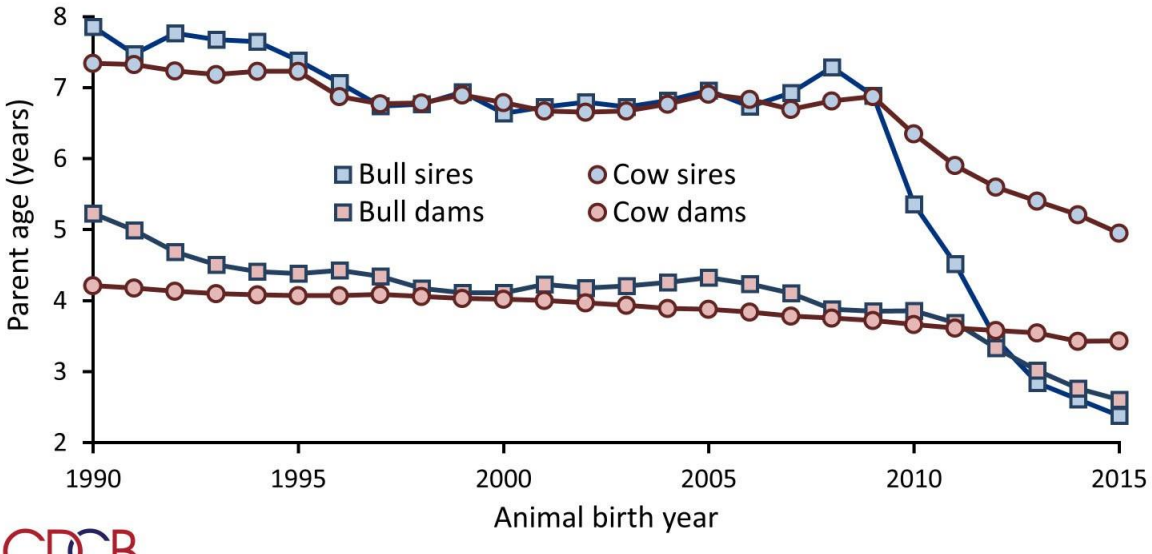
Calves born from DNA-selected parents

Bull receives progeny test

Reduce generation interval from 7 to 2 years

ST Genetics | SexedULTRA 4M

Generation interval – Holstein



CDCB
COUNCIL ON DAIRY CATTLE BREEDING

Wiggans, BAIF International Workshop, Pune, India, November 2017 – 14

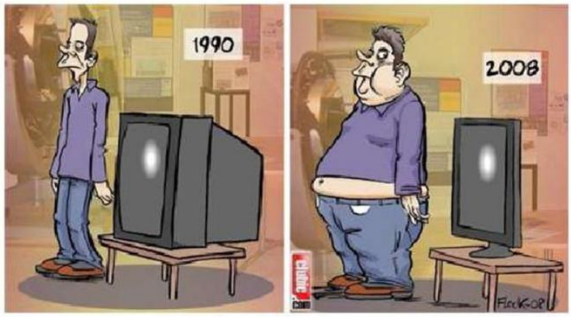
Genomic Testing

SexedULTRA 4M™

33

Remember Me?

How TECHNOLOGY has affected our lives?



35

UNLEASHING THE POWER OF GENOMIC TESTING

GeneticVisions-ST

1. Collect DNA Tissue Samples From Your Heifers

2. Submit Material at Laboratory (GeneticVisions)

3. Genomic Evaluations
   - Retrieve results 30 – 45 days after samples are received at the lab

4. Make Informed Selection and Breeding Decisions
   - About which females will create your best future generation and ensure genetic progress in your herd

STgenetics® | SexedULTRA 4M™

36

Genomic Testing Supplies

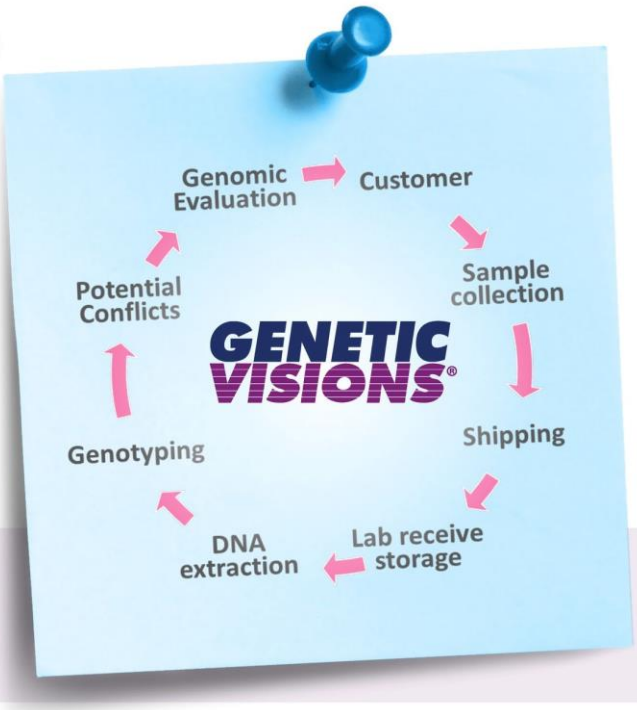
Global pricing agreement with Allflex for in-country purchasing

TSU Tube

Applicator Pliers

ST Genetics® | SexedULTRA 4M™

GENETICVISIONS®



Complete Traceability

GENETICVISIONS

Organize and Streamline your Genomic Sampling Process

CUSTOMER PORTAL

GENETICVISIONS

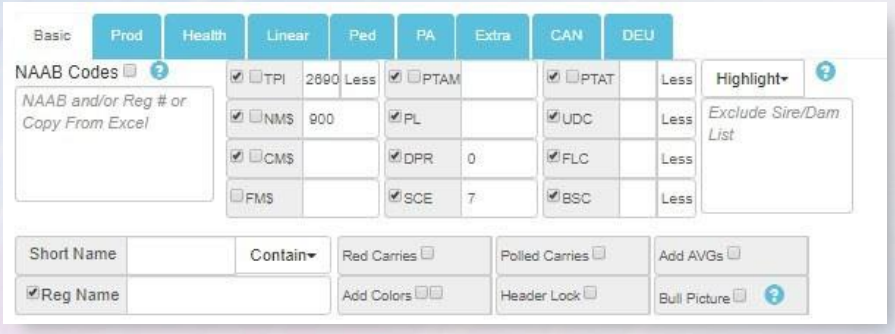
Key Benefits

1. Ease of use and Simplicity
2. Order Status Visibility
3. Organization and Availability of Historical Data
4. Direct Online Interaction with Genetic Visions
5. Ensure More Lead Time for Genetic Visions to Begin Internal Processes

Whyusematingsatall?

Breeding strategy: Select bulls based on genetic merit

900 NM$
2690 TPI
<7.0 SCE
>0 DPR
>130 CFP



STgenetics® SexedULTRA 4M™

Compare Mating One Cow with Four Full Brothers

MGGS: **Planet** MGGD: **Miss Elegant Delight**	MGS: **Robust** MGD: **OCD Planet Danica**	SIRE: **Mogul** DAM: **Miss Ocd Robst Delicious**

Delta 523HO01468	Denver 551HO00690	Drama 551HO00695	Dion523HO01470
909 NM$	**817** NM$	**804** NM$	**797** NM$

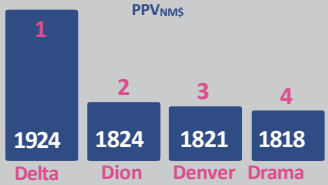
ST Genetics | SexedULTRA 4M

Why is Genomic Information Critical?

Delta 523HO01468	Denver 551HO00690	Drama 551HO00695	Dion 523HO01470
909 NM$	**817** NM$	**804** NM$	**797** NM$
Progeny Results:	Progeny Results:	Progeny Results:	Progeny Results:
Pedigree INB: **11.5%**	Pedigree INB: **11.5%**	Pedigree INB: **11.5%**	Pedigree INB: **11.5%**
Genomic INB: **21.5%**	Genomic INB: **17.5%**	Genomic INB: **14.5%**	Genomic INB: **17.0%**

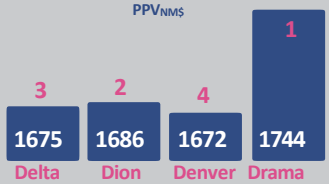
PEDIGREE Matings

PREDICTED PRODUCING VALUE OF PROGENY $PPV_{NM\$}$



GENOMIC Matings

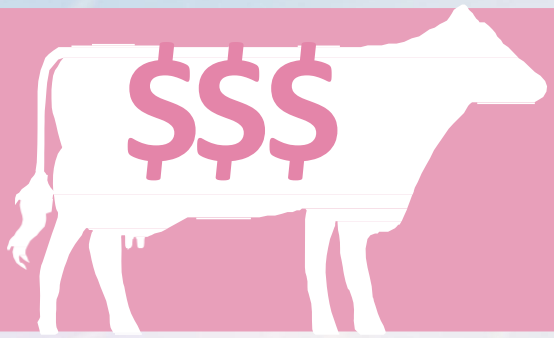
PREDICTED PRODUCING VALUE OF PROGENY $PPV_{NM\$}$



ST Genetics | SexedULTRA 4M

What makes our program different?

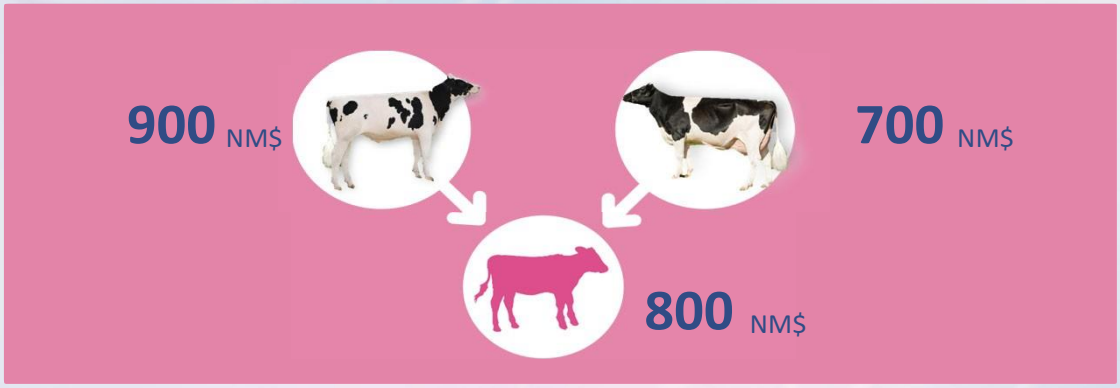
Program does not maximize each mating, but increases the profitability of the next generation



Mating results are calculated to increase the selected economic trait to the greatest potential in the offspring created by a specific group of females and bull team selected

ST Genetics | SexedULTRA 4M

Modern Mating Programs Utilize Parent Average PTAs



ST Genetics | SexedULTRA 4M

Predicted Producing Value (PPV)

Chromosomal Mating provides the Predicted Producing Value of the progeny or PPV

PPV measures how the female will perform in the herd

PPV= EBV adjusted for EFI penalty

(PTA Bull + PTA Dam) + Inbreeding Depression*(EFI Penalty Sire + EFI Penalty Dam) – (Actual Inbreeding*Inbreeding Depression) = PPV

"Sun, C., Vanraden, P., O'Connell, J.,Weigel, K., and Gianola, D. 2013. Mating programs including genomic relationships and dominance effects. Journal of Dairy Science. 96:8014–8023. doi:10.3168/jds.2013-6969"

STgenetics® | SexedULTRA 4M™

Comparison: PTA vs. PPV

Mating Scenario →

- **100 Cow Herd** with genomic information
- Female NM$ Range: **335** NM$ to **773** NM$
- Optimization for NM$

Paco 551HO03594
1001 NM$

Vince551HO03804
949 NM$

Slater551HO03673
934 NM$

Poncho551HO03722
927 NM$

STgenetics® | SexedULTRA 4M™

Opportunity Cost

Optimization	Average PPV NM$ of Progeny
PTA	1682
PPV	1716

$ 34
Over lifetime of Progeny

Optimization	Average Inbreeding of Progeny
PTA	12%
PPV	10.6%

1.4%
Lower inbreeding

ST Genetics | SexedULTRA 4M

Opportunity Cost

Number of Cows	Opportunity Cost
100	$ 3,400
5,000	$ 170,000
10,000	$ 340,000

ST Genetics | SexedULTRA 4M

3 Ways to Avoid Leaving Money on theTable

Utilize a mating program	Genomic test females and use evaluations in mating program	Optimize Predicted Producing Value or PPV
● Identify the best mating pairs to make the most profitable offspring	● Account for the actual inbreeding relationship of each mating pair to identify pairs with the highest progeny potential	● Include the inbreeding depression of the selected trait ● Penalize the actual inbreeding relationship of each mating pair ● Calculate the best solutions to increase profitability in progeny

genetic.services@stgen.com

STgenetics® | SexedULTRA 4M™

STgenetics®

Breeding Strategies

SexedULTRA 4M™

Breeding and Genomic Testing Strategies

- Whole herd
- **10 months — breeding age heifers**
- New born calves

What Are Your Goals?

How will you utilize the information to make decisions?

This is the Future…

- Genomic testing females will become common practice
- Genomic testing will drive the use of Genetics and Sexed Semen
- The use of Sexed Semen will drive the practice of Genomic testing
- Herds will target to get their replacements from their best females
- Limit the production of Holstein bull calves

In cows sexed female semen on the top 40%

Sexed male Belgian Blue on the bottom 60%

Heifers sexed female semen on the top 40%

Sexed male Angus Mames Compass, Disciple

60-70 pound calves

STgenetics

GLOBAL SUSTAINABILITY APPROACH:

ecofeed™

ecofeed scale

Profitability and ecofriendly based on ecofeed ranking

EcoFeed rankings are based on 100 base system. Every 5 points are equivalent to one lb of less feed consumed per cow per day

. . . 75 80 85 90 95 **100** 105 110 115 120 125 . . .

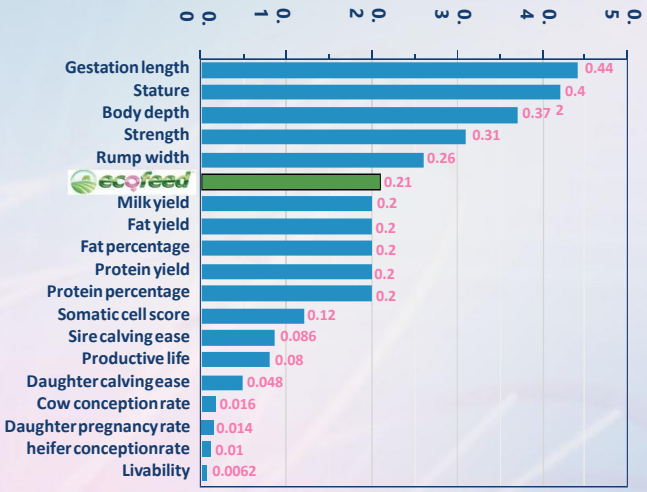
Below Average **Above Average** ecofeed

STgenetics | SexedULTRA 4M™

Single Step genomic evaluation of residual feed intake in growing Holstein heifers

Results

- **Posterior** means (and standard deviations) for the heritability estimates were 0.21 (0.06) for the traditional animal model.
- **EcoFeed** is uncorrelated with any of the traits currently Holstein cows are selected for. Allowing us to improve EcoFeed while maintaining and improving all other traits.
- **Reliabilities**: 550 sires with daughters on test. 1 to 74 daughters (average 5). 13 with more than 30 daughters. Genomic reliabilities of the sires ranged from 0.08 to 0.76 with an average of 0.39.



STgenetics® SexedULTRA 4M™

ecofeed® DESIGNATED SIRES

Naab Code	Name	ecofeed	Rel. %	MILK	PTA Fat	% Fat	PTA Pro	% Pro	SCS	PL	DPR	GPTAT	SCE
203HO01468	Delta	105	73	1777	90	0.08	55	0	2.84	9.2	4.1	1.95	6.3
151HO00681	Rubicon	103	66	1317	106	0.2	49	0.03	2.84	7.7	2.5	1.95	7.3
513HO03091	Detour	105	65	1324	72	0.08	50	0.03	2.78	8.4	3.1	1.62	6.7
513HO03092	Charismatic	120	60	931	82	0.18	28	0	2.84	8.9	1.5	1.64	7
147HO02500	Comanche	113	54	1032	90	0.19	29	-0.01	2.96	7.5	2.1	0.92	6
147HO02462	Missouri	106	44	1906	46	-0.09	53	-0.01	2.69	6.2	1.6	1.82	7.4
203HO03112	Grid	102	39	1144	52	0.03	37	0.01	3.05	7.4	0.9	1.54	6.5
147HO02472	Kobra	102	37	595	37	0.05	33	0.06	2.81	5.9	2.4	1.68	6.6
151HO00757	Apollo*RC	102	37	1038	26	-0.05	34	0.01	2.59	5	3.4	2.18	8.7
151HO00759	Dealer	102	42	1423	36	-0.06	49	0.02	2.98	5.3	2.2	1.48	7
203HO01462	Juno	105	56	1589	59	0	44	-0.01	2.96	3.9	0.2	1.84	6.5
151HO00727	Link-Up	102	45	1877	40	-0.11	50	-0.02	2.93	4.4	-0.6	2.38	6.8
151HO00721	Lucent	102	39	716	42	0.06	47	0.09	2.72	6	1.1	1.18	6
151HO01619	Cade	103	51	453	19	0.01	22	0.04	2.58	6.9	5.4	0.49	4.2
151HO00664	Mador	107	44	1778	37	-0.11	36	-0.06	2.91	3.4	-0.3	2.03	8.5
151HO00653	Delorean	103	47	1150	23	-0.07	25	-0.03	2.87	6.9	1	1.65	8.9
151HO00628	Author	102	44	500	35	0.06	31	0.06	2.93	1.4	1.4	1.74	6
151HO00668	Lolo	102	38	807	35	0.02	16	-0.03	2.66	6.2	1	1.28	6.4
147HO02441	Determine	102	41	1467	30	-0.09	31	-0.05	2.89	7.5	0.5	0.65	8.6
203HO01268	Incharge	102	36	687	-1	-0.1	18	-0.01	3.04	1.2	-0.4	1.48	8.1
151HO00477	Acme*RC	101	40	-373	2	0.06	7	0.07	3.23	2.4	0.1	1.5	6.7

Thank you!

STgenetics® | SexedULTRA 4M™