

NAMIBIA TW COURSE

JULIE 2015

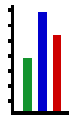


13:30-14:15 Supertool



SELECTION INDEXES

THE ANTAGONISTS



	Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat Cow Wt (kg)	Milk (kg)	Scrotal Size (cm)	Days to Calving (days)	Carcase Wt (kg)
EBV	-3.2	-1.9	+0.7	+3.5	+1	+23	+32	+41	+4	-	-	+16



THE ANTAGONISTS



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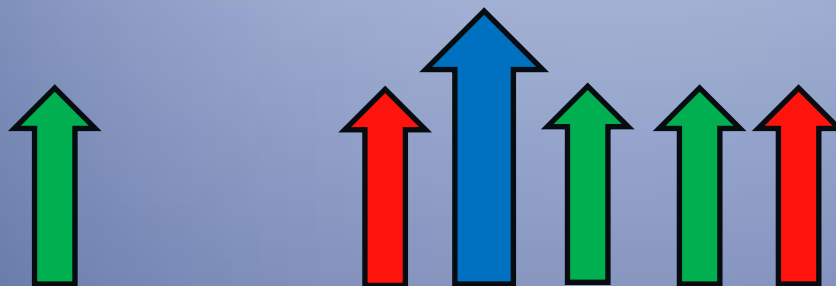
THE ANTAGONISTS (2)



	Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat Cow Wt (kg)	Milk (kg)	Scrotal Size (cm)	Days to Calving (days)	Carcase Wt (kg)
EBV	+0.7	+2.9	+0.2	+0.9	+8	+17	+21	+17	+5	-	-	-



THE ANTAGONISTS (2)



	Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat Cow Wt (kg)	Milk (kg)	Scrotal Size (cm)	Days to Calving (days)	Carcase Wt (kg)
EBV	+0.7	+2.9	+0.2	+0.9	+8	+17	+21	+17	+5	-	-	-





FOLLOW THE MONEY !!



Breeding Objectives

If you're not
breeding for profit,
we wish you well
with your hobby

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connection...

BTB

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Don't



SELECTION INDEX = ECONOMIC INDEXES



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Current Southern African Selection Indexes



Selection Indexes	Breed
Self Replacing Grassfed Index	Brahman, Simbra
Self Replacing Feedlot	Brahman, Simmentaler, Simbra
Self Replacing Weaner	Brahman, Simmentaler, Simbra
Terminal Sire	Simmental

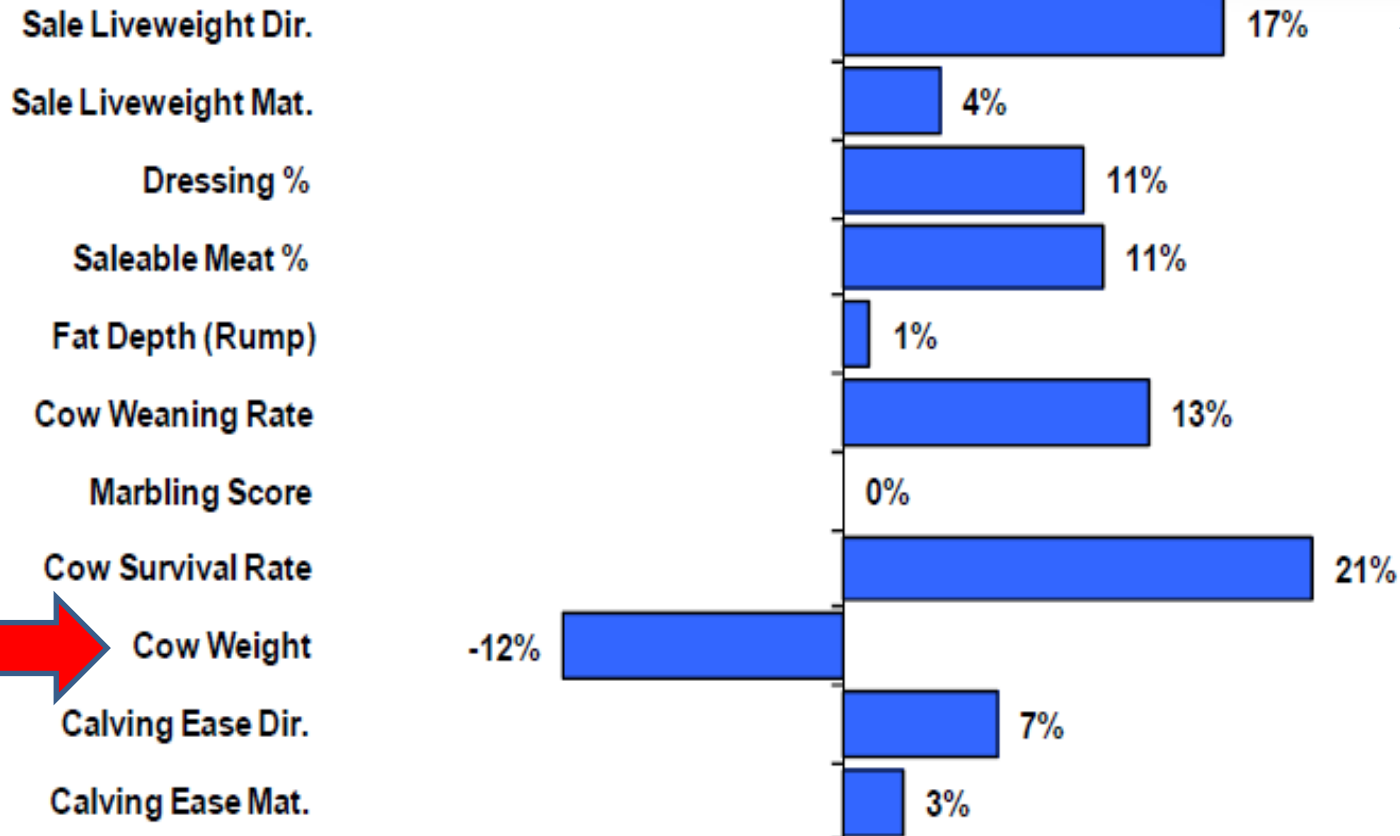




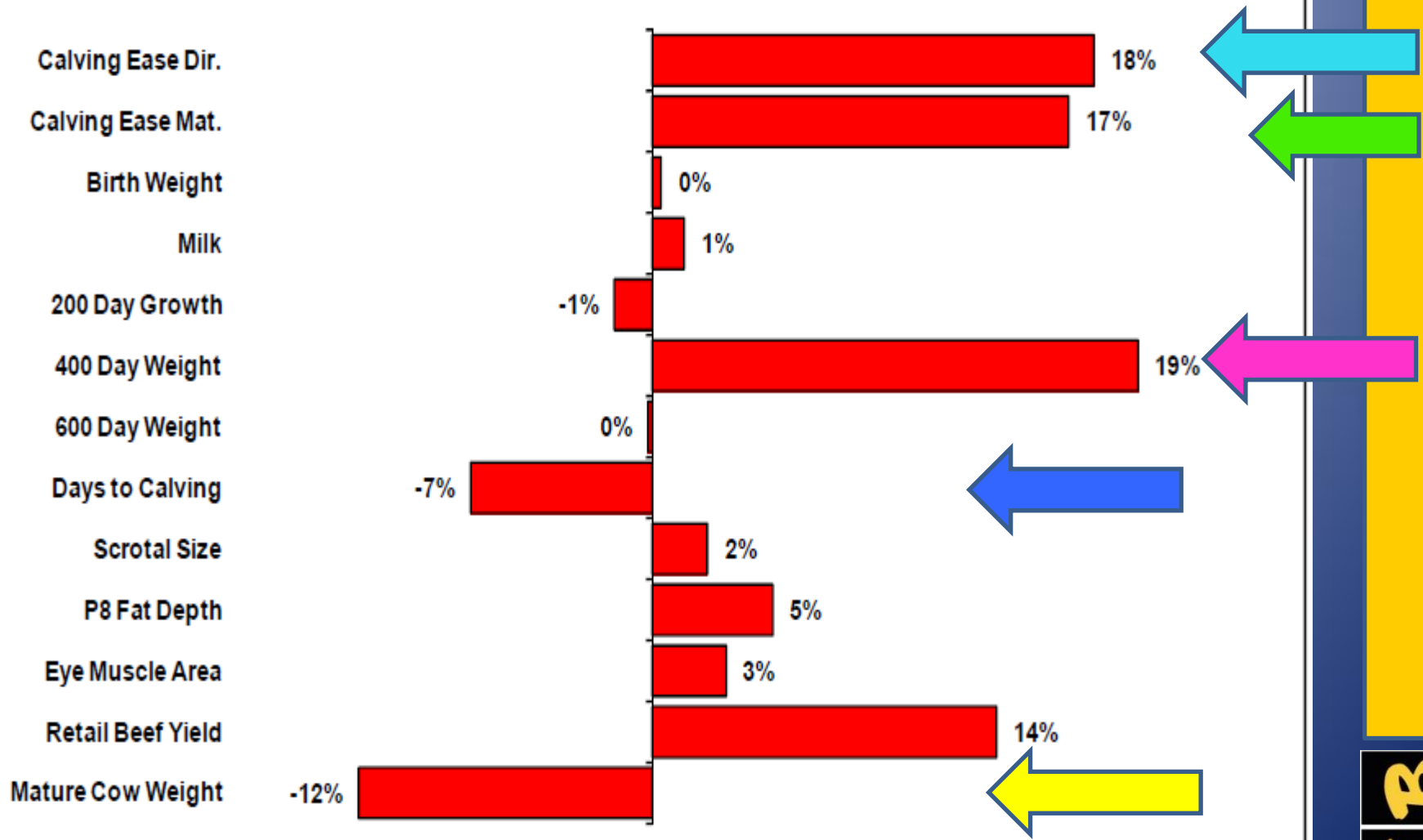
Simmentaler Feedlot Index

The Feedlot Index estimates the genetic differences between animals in terms of net profitability per cow. The Feedlot Index is aimed at a high fertility, self replacing (keeping replacement and breeding progeny) pure bred herd. Calves are weaned at 7 months (at around 250kg) and then steers are fed extra rations for 120 days to be slaughtered at around 11 months and 430kg steer live weight. **Significant emphasis is placed on calving ease, 400 day weight and carcass yield.**

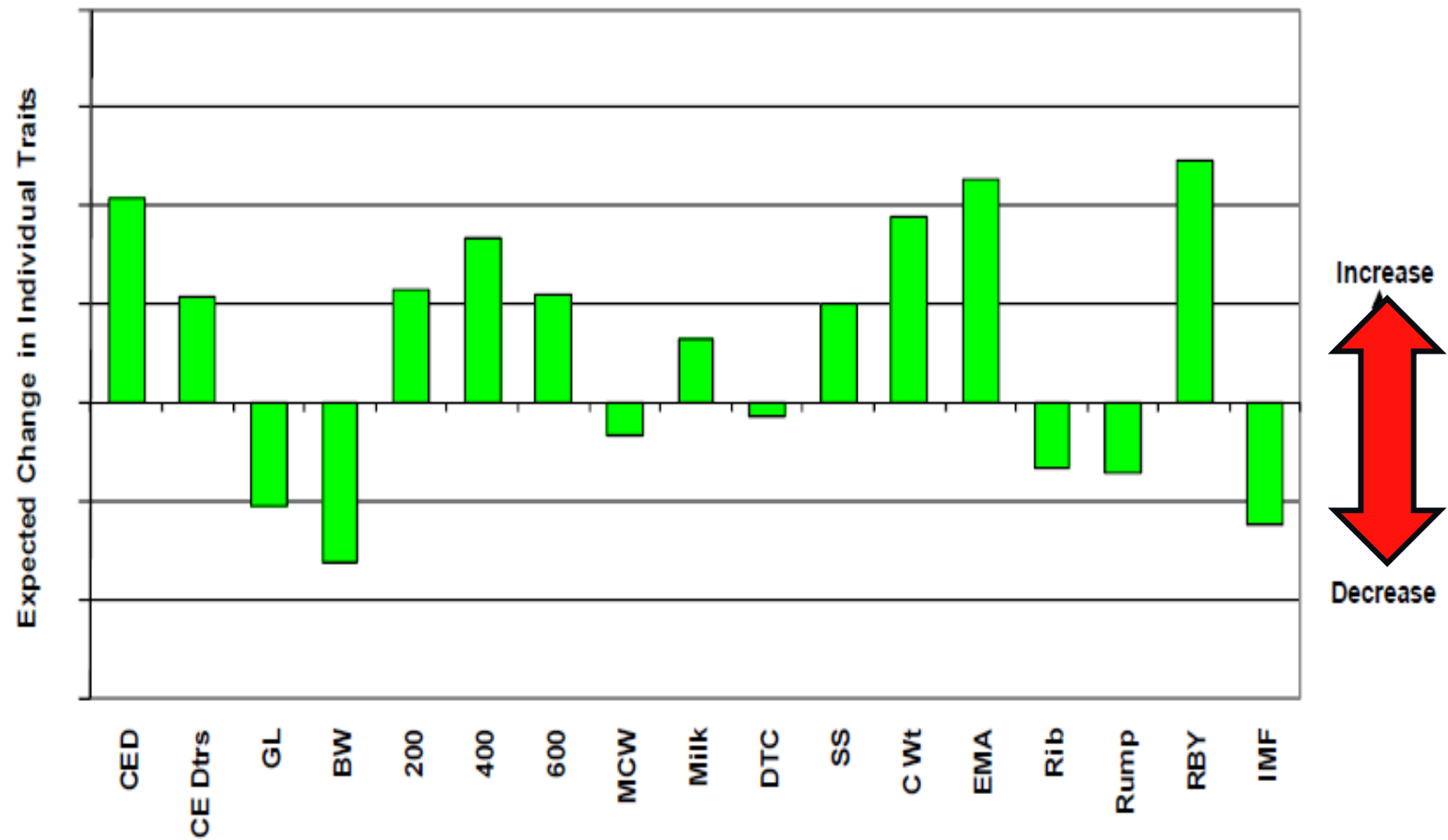
Self Replacing Feedlot Index - Profit Drivers



Self Replacing Feedlot Index - EBV Weightings

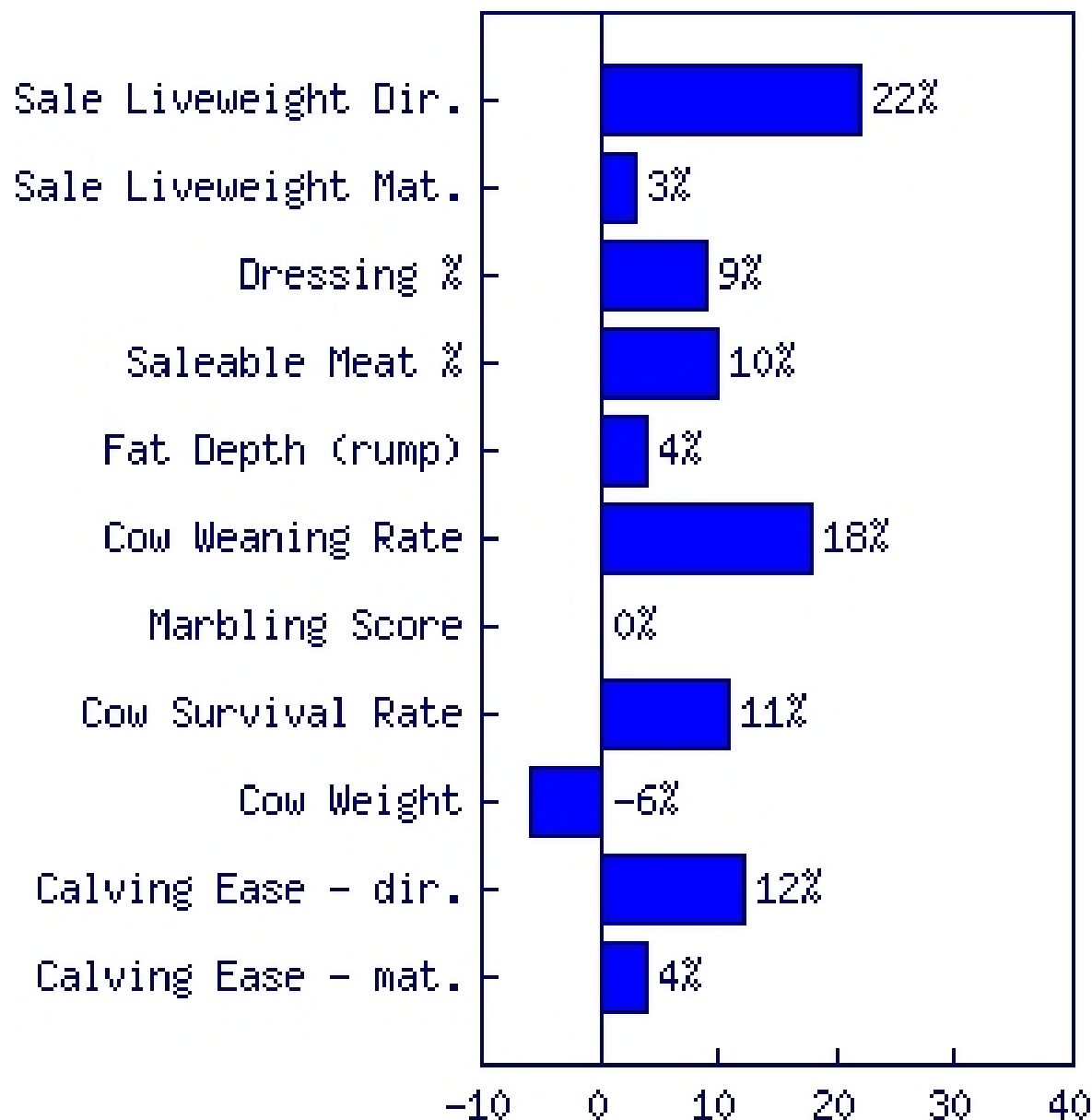


Self Replacing Feedlot Index - Predicted Response



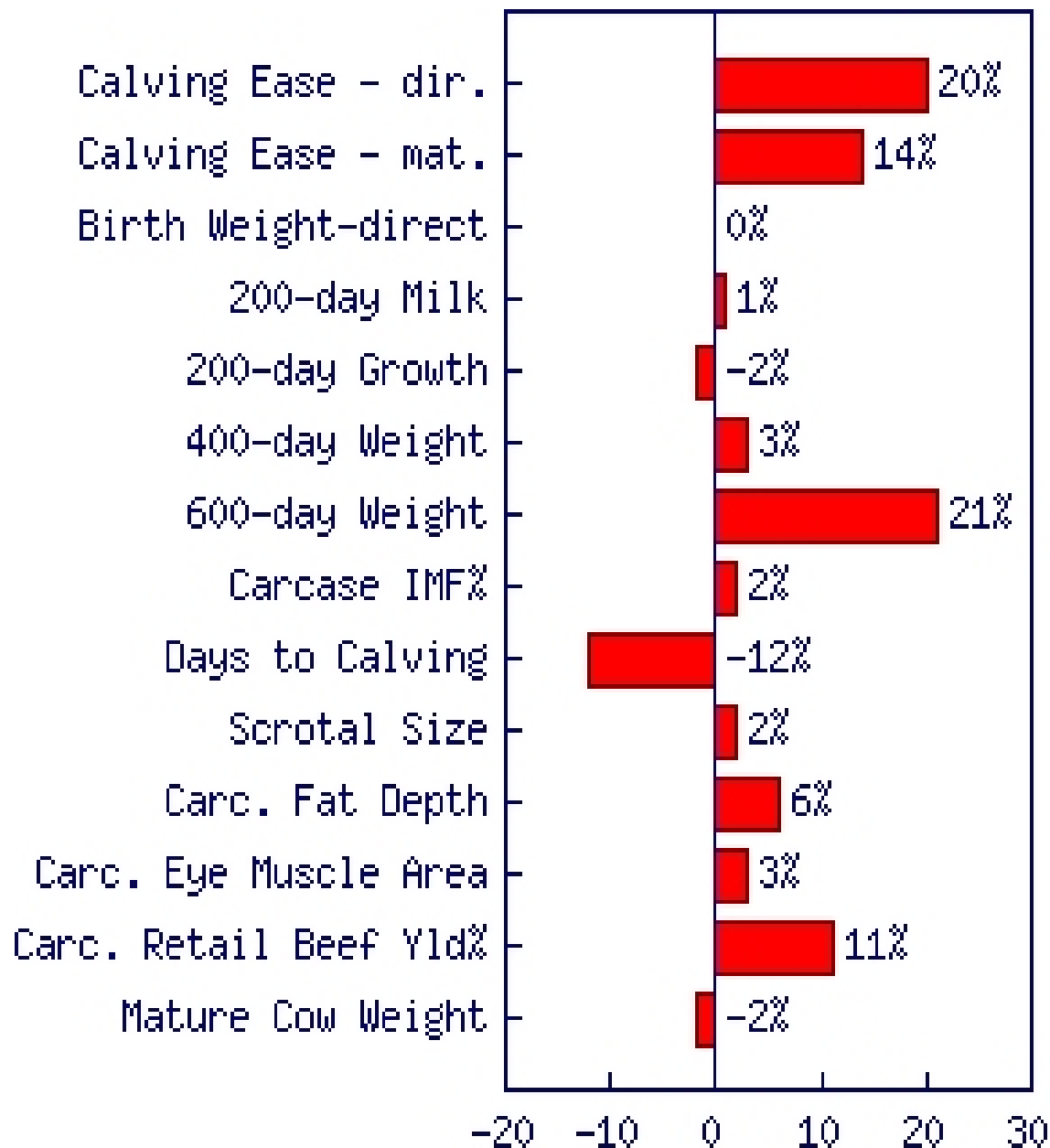


Economically relevant trait importance of Extensive Rangeland Grazing Index





EBV composition of Extensive Grassland Index



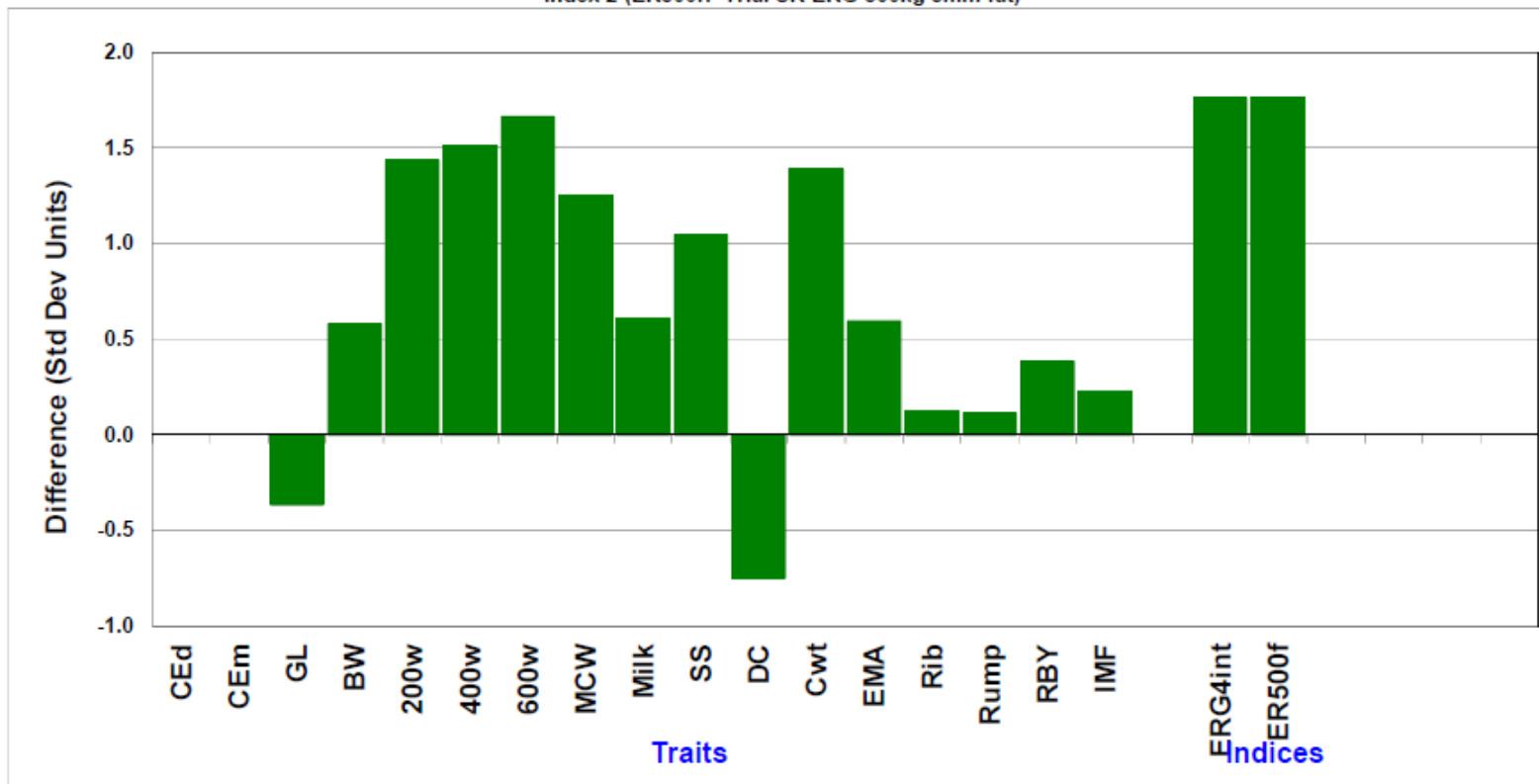


Top 10% SR ERG compared to Namibian Brahman Sires (2010 EBV's)



Selection of Top 10% for Trial SR ERG 500kg 5mm fat index compared to average of Namibian Brahman Sires (2010 EBVs)

Index 2 (ER500f: Trial SR ERG 500kg 5mm fat)



Average of top 20 animals selected from 196 animals in total.

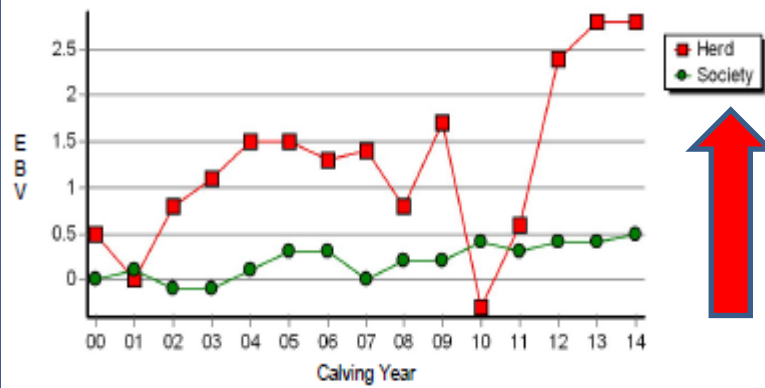
On average, progeny of these selected animals will reflect half of this difference.
Standard deviations based on EBVs of sampled animals

SELECTION RESPONSE \$SRF Index

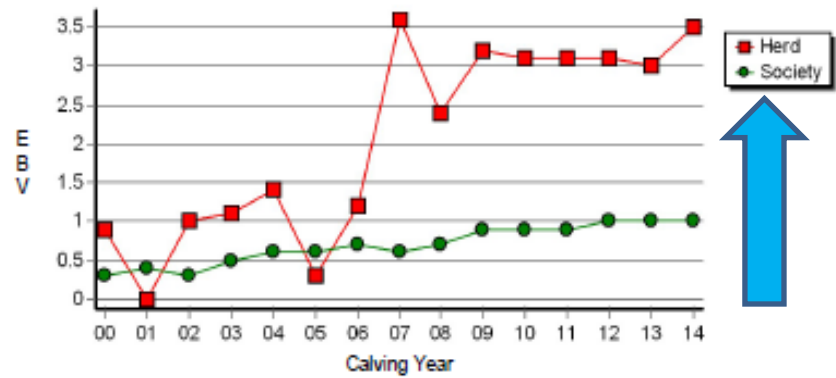
BTB SIMMENTALERS



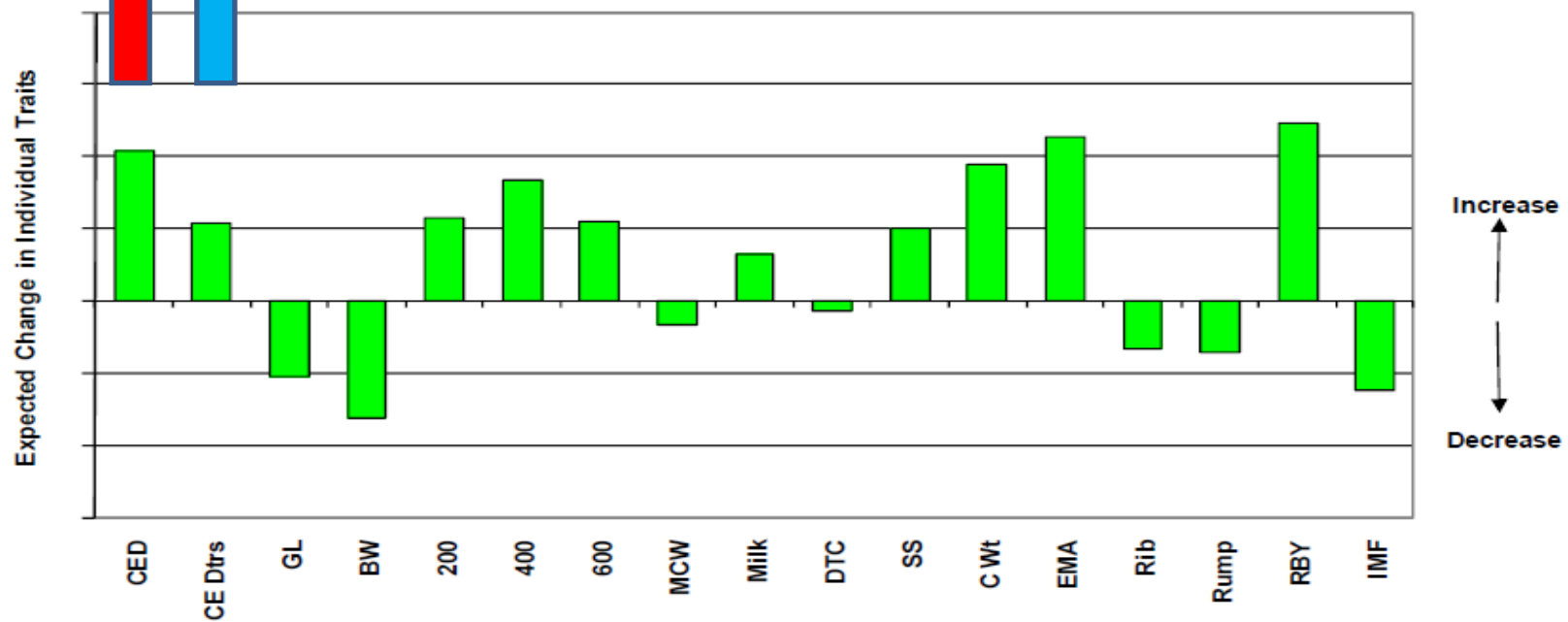
Calving Ease Dir (%)



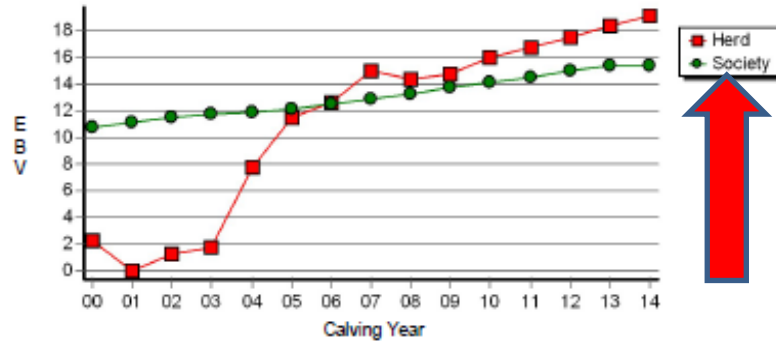
Calving Ease Dtrs (%)



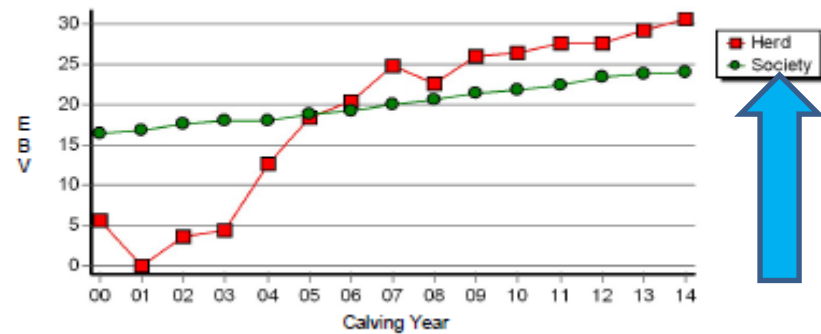
Self Replacing Feedlot Index - Predicted Response



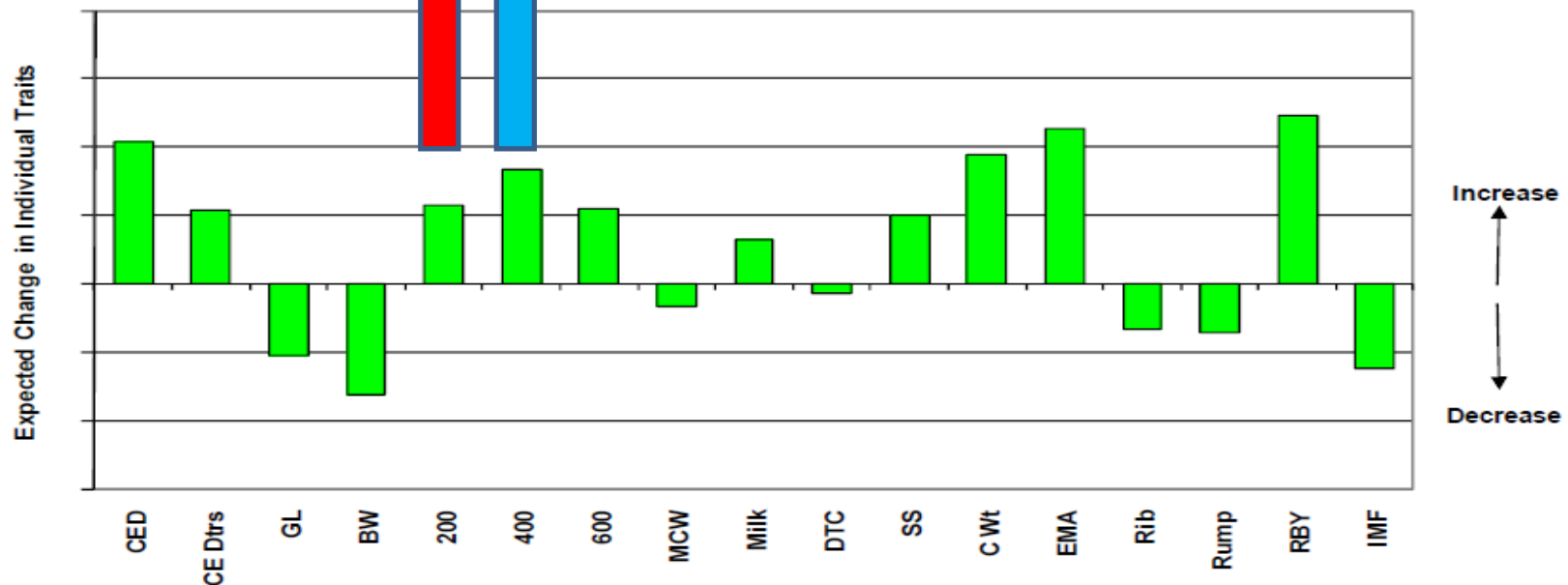
200 Day Growth (kg)

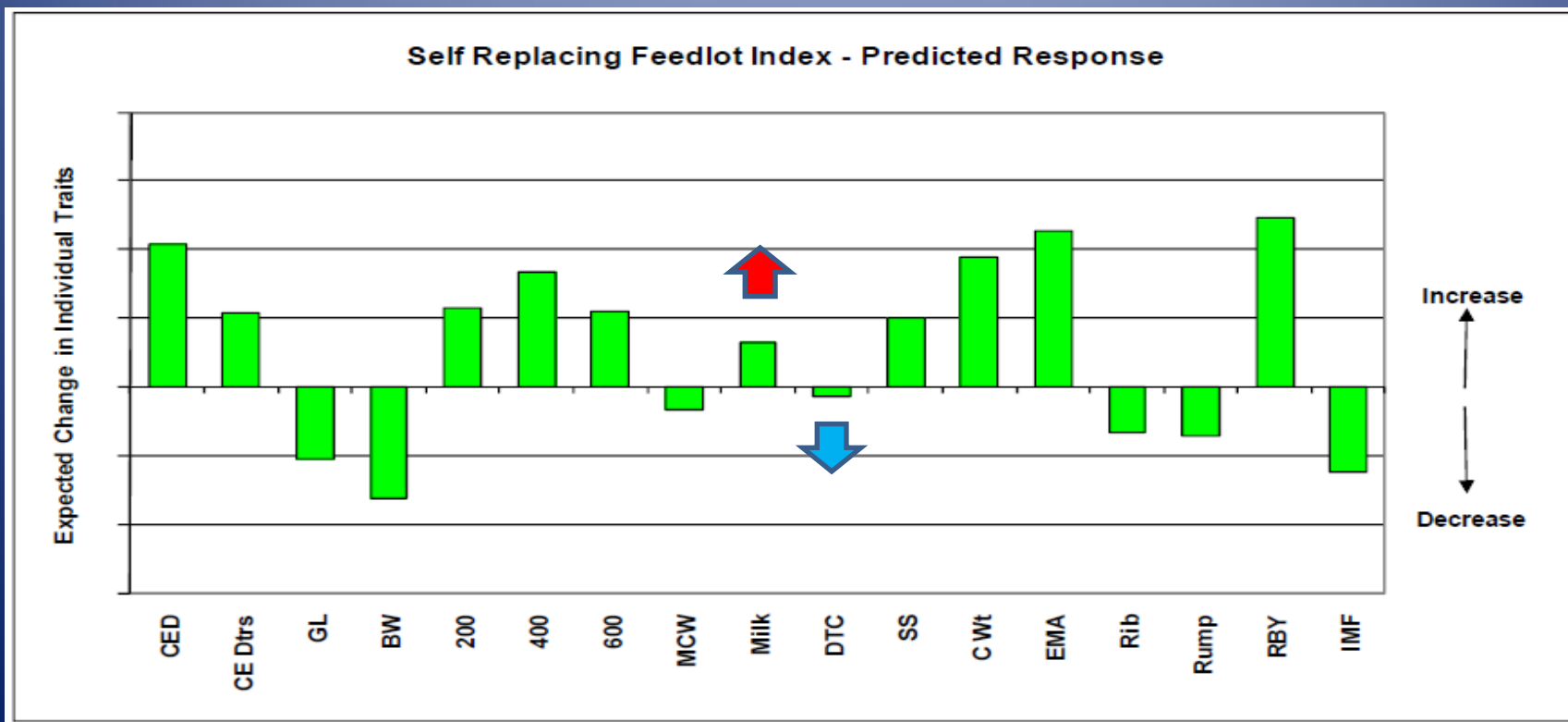
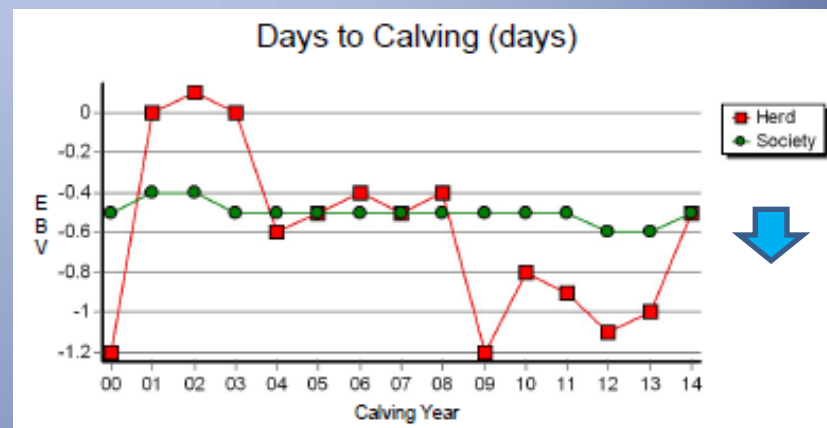
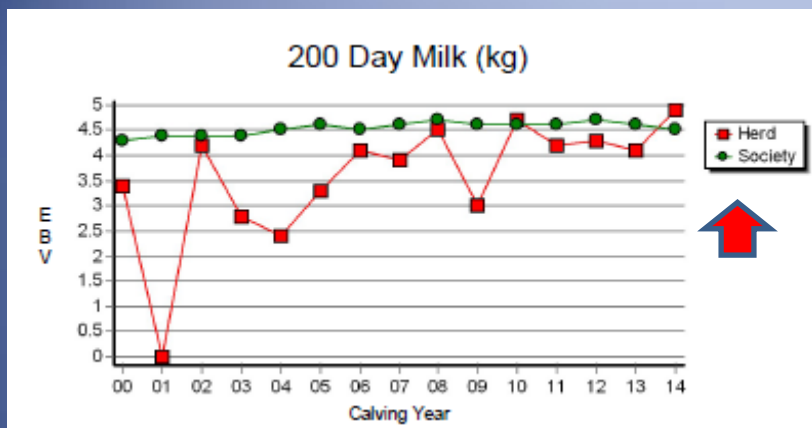


400 Day Weight (kg)

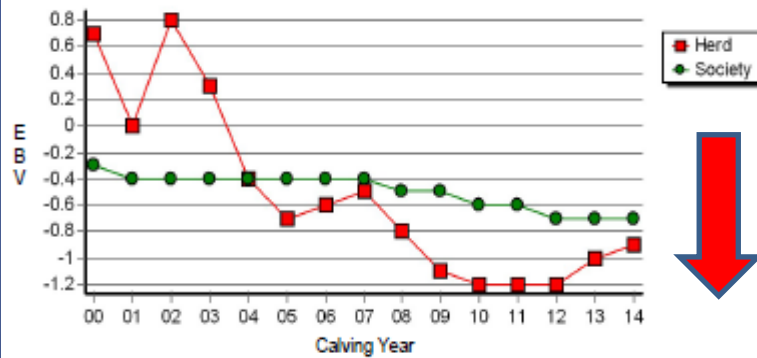


Self Replacing Feedlot Index - Predicted Response

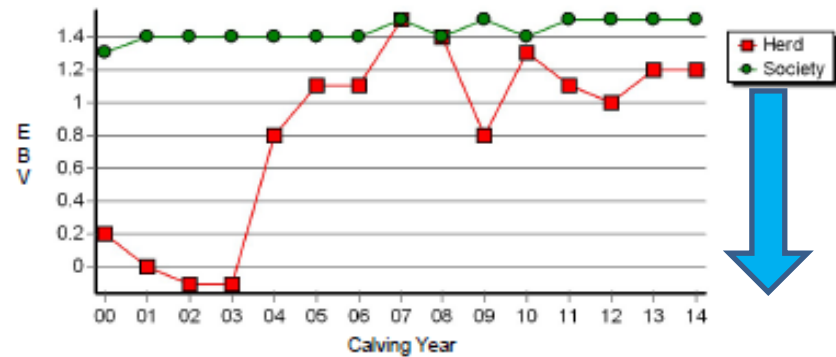




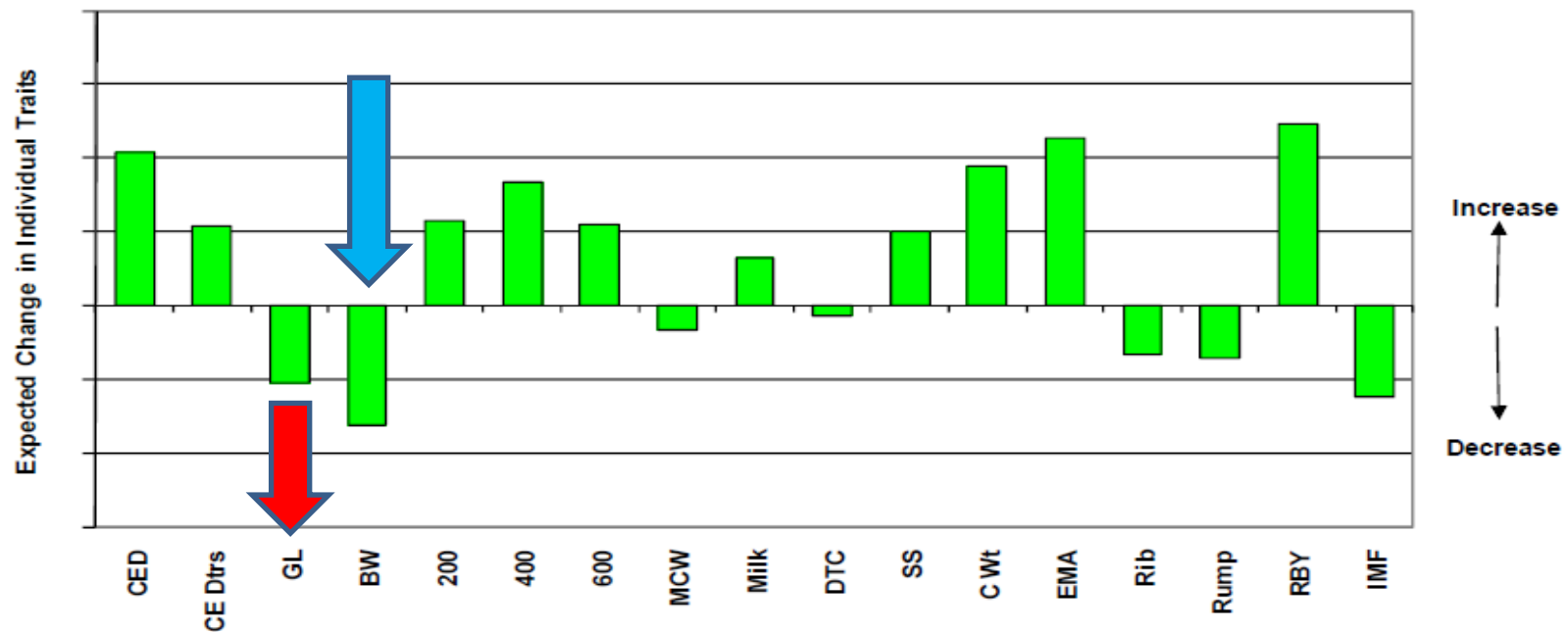
Gestation Length (days)



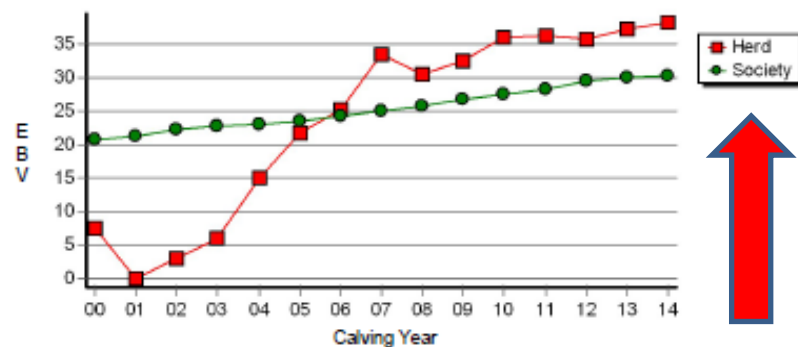
Birth Weight (kg)



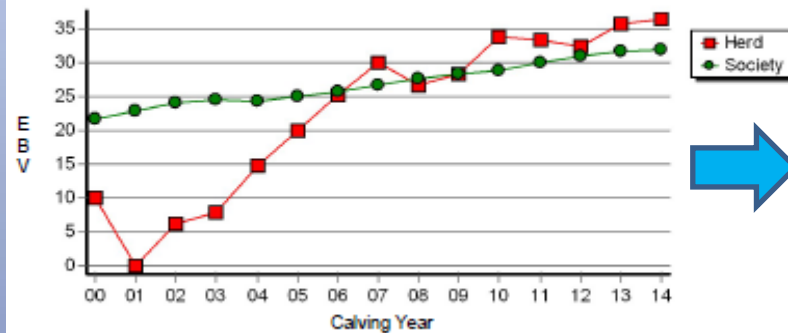
Self Replacing Feedlot Index - Predicted Response



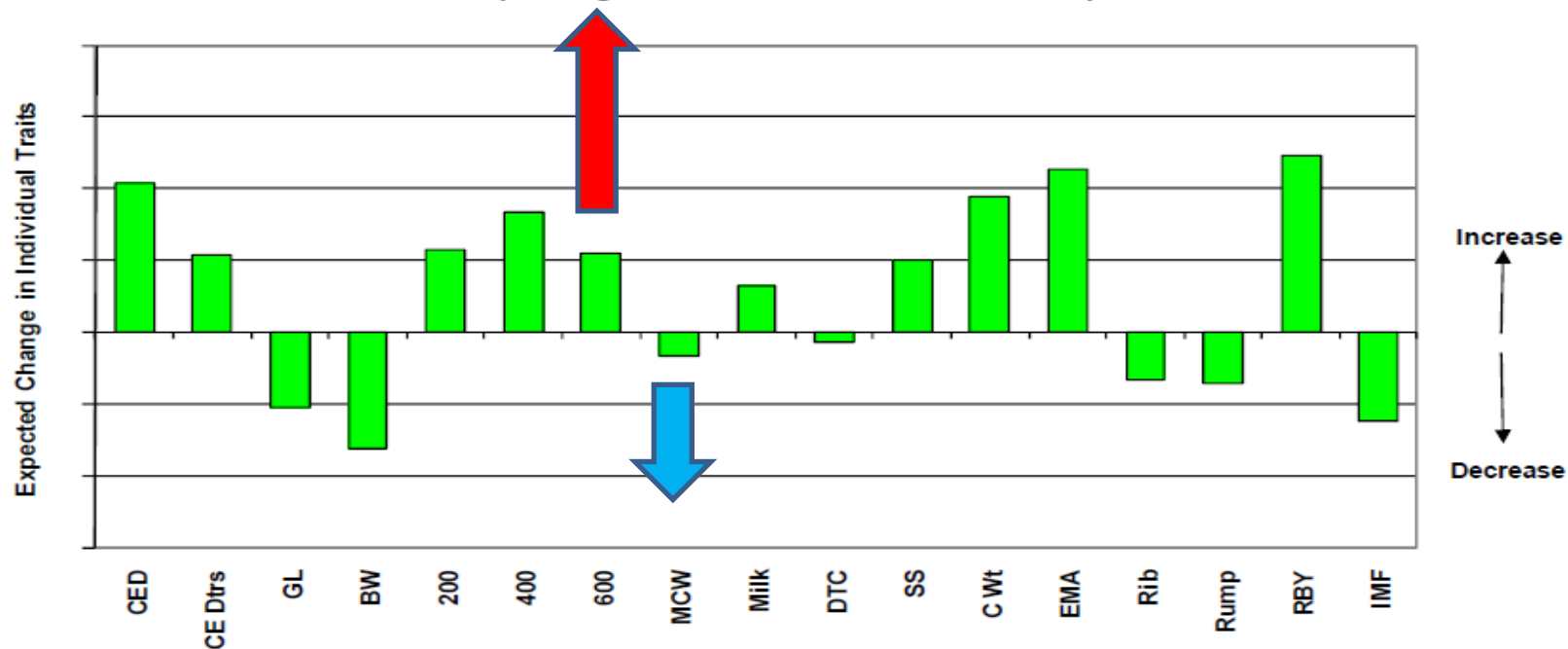
600 Day Weight (kg)



Mature Weight (kg)



Self Replacing Feedlot Index - Predicted Response



Bull Selection

Step 1:

1. Decision on bull buyers' production system

Weaner

Ox production

Terminal

2. Select economic Selection Index

\$SRF

\$SGF

\$Terminal

Breed Object (Make your own)

3. Identify herd EBV shortcomings



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Price



Select beef with good \$SRF values
(+/- 550 active bulls in the top 15% of the
race, available today)

Step 2:

January 2015 South African Simmentaler GROUP BREEDPLAN EBVS

Name/ID	Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Wt. (kg)	200 Day Wt. (kg)	400 Day Wt. (kg)	600 Day Wt. (kg)	Mat Cow Wt. (kg)	Milk (kg)	Scrotal Size (cm)	Days to Calving (days)	Carcass Wt. (kg)	Eye Muscle Area (sq cm)	Rib Fat (mm)	Rump Fat (mm)	Retail Beef Yield (%)	IMF (%)	Self Replacing Feedlot Index (R)	Self Replacing Grassfed Index (R)	Terminal Sire Index (R)
SALERIKA UPLANDS	+11.0 62%	+8.4 54%	-3.7 62%	+0.1 85%	+16 82%	+31 82%	+47 82%	+27 80%	+4 76%	+1.1 49%	-3.9 45%	+25 70%	+1.7 52%	+0.1 62%	+0.4 62%	+0.9 60%	+0.1 54%	+R 154	+R 227	+R 223
SALERIKA ICARUS	+1.7 38%	+4.4 29%	-1.9 46%	+1.3 73%	+23 68%	+45 69%	+51 66%	+44 63%	+5 42%	- -	- -	+36 53%	+2.8 37%	-0.2 47%	-0.1 47%	+1.5 45%	0.0 42%	+R 151	+R 218	+R 271
RU-DEV JIM 	+10.3 96%	+7.6 94%	+1.1 95%	-1.0 93%	+17 98%	+31 97%	+35 97%	+26 97%	+9 97%	-0.3 83%	+0.7 50%	+28 93%	+2.1 65%	-0.8 72%	-0.9 72%	+1.7 74%	-0.2 66%	+R 139	+R 156	+R 239
BTB JIMMIE	+8.5 62%	+7.0 56%	-0.7 62%	-1.2 79%	+20 69%	+35 70%	+42 68%	+31 67%	+7 56%	+0.4 69%	+0.1 30%	+28 59%	+1.8 37%	-0.4 43%	-0.2 43%	+1.2 43%	0.0 38%	+R 138	+R 174	+R 239
SALERIKA HELDERBERG	+6.0 72%	+3.8 63%	-0.3 69%	+1.3 95%	+14 91%	+24 92%	+31 92%	+19 89%	+4 79%	+1.0 46%	-2.6 58%	+23 77%	+2.3 62%	-0.4 75%	-0.3 74%	+1.5 73%	-0.3 72%	+R 132	+R 183	+R 186
SALERIKA UG12185 H	+4.5 40%	+4.9 30%	-0.9 44%	+1.1 71%	+14 56%	+26 55%	+26 56%	+17 53%	+5 35%	- -	- -	+20 44%	+1.5 33%	-0.3 43%	-0.1 43%	+1.0 41%	-0.1 38%	+R 131	+R 188	+R 174
MACARARA PENDO P	+4.1 47%	+2.2 36%	-1.0 48%	+1.3 85%	+27 79%	+53 76%	+57 76%	+52 70%	+2 42%	+1.4 46%	- -	+32 58%	+0.3 22%	-0.3 23%	-0.1 23%	+0.3 25%	- -	+R 129	+R 202	+R 278
SALERIKA UG13269 U	+9.3 44%	+5.3 33%	-1.8 44%	+0.4 62%	+17 57%	+28 56%	+31 56%	+25 55%	+6 45%	+0.9 25%	- -	+20 46%	+0.9 35%	0.0 43%	+0.3 43%	+0.5 42%	+0.2 39%	+R 129	+R 207	+R 189
SALERIKA UG1211 E	+2.4 36%	+3.4 27%	-1.3 43%	+1.7 69%	+19 63%	+37 64%	+40 62%	+36 59%	+2 38%	- -	- -	+27 49%	+1.8 36%	-0.4 46%	-0.3 46%	+1.2 44%	0.0 41%	+R 128	+R 192	+R 224
NEELSMA CROWN	+5.6 63%	+6.4 58%	-0.2 58%	+0.1 87%	+23 77%	+42 77%	+49 74%	+46 72%	+12 66%	-0.2 35%	- -	+33 61%	- -	- -	- -	- -	- -	+R 126	+R 169	+R 264
SALERIKA UG09174 B (P)	+8.3 55%	+4.3 40%	-2.9 55%	-0.3 90%	+20 82%	+36 81%	+41 82%	+34 76%	+7 51%	+1.7 58%	-4.3 36%	+19 66%	-0.8 54%	0.0 64%	+0.4 64%	-0.1 62%	-0.1 57%	+R 124	+R 216	+R 199
PAALDAM PASCALI	+12.0 63%	+2.9 51%	-3.0 56%	-2.2 90%	+13 88%	+25 86%	+28 86%	+21 79%	+3 58%	+0.4 77%	- -	+21 67%	+1.6 42%	-0.1 48%	+0.1 48%	+0.8 47%	0.0 37%	+R 123	+R 172	+R 194
SALERIKA UG13263 B	+10.5 46%	+7.0 38%	-2.0 48%	-0.3 63%	+17 59%	+29 58%	+30 58%	+30 56%	+5 46%	+1.1 30%	- -	+20 48%	+0.8 36%	-0.2 44%	0.0 44%	+0.5 43%	0.0 40%	+R 123	+R 196	+R 196
SALERIKA UG13264 B	+10.5 46%	+7.0 38%	-2.0 48%	-0.3 63%	+17 59%	+29 58%	+30 58%	+30 56%	+5 46%	+1.1 30%	- -	+20 48%	+0.8 36%	-0.2 44%	0.0 44%	+0.5 43%	0.0 40%	+R 123	+R 196	+R 196
LICHTENSTEIN ISHAM	+4.5 59%	+2.1 44%	-1.6 55%	+0.3 90%	+22 86%	+37 84%	+47 83%	+58 77%	+7 56%	+1.9 73%	-7.0 39%	+28 68%	+0.8 57%	-0.2 67%	-0.1 67%	+0.8 65%	0.0 61%	+R 121	+R 270	+R 219



BTB



Analyze and herd bull breeding value to avoid herd within over emphasis.

Step 3:

January 2015 South African Simmentaler GROUP BREEDPLAN EBVS

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SALERIKA UG1211 E	+2.4 36%	+3.4 27%	-1.3 43%	+1.7 69%	+19 63%	+37 64%	+40 62%	+36 59%	+2 38%	- -	- -	+27 49%	+1.8 36%	-0.4 46%	-0.3 46%	+1.2 44%	0.0 41%	+R 128	+R 192	+R 224
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Price



phenotypic evaluation.

Step 4:

**B
T
B**

SUMMARY

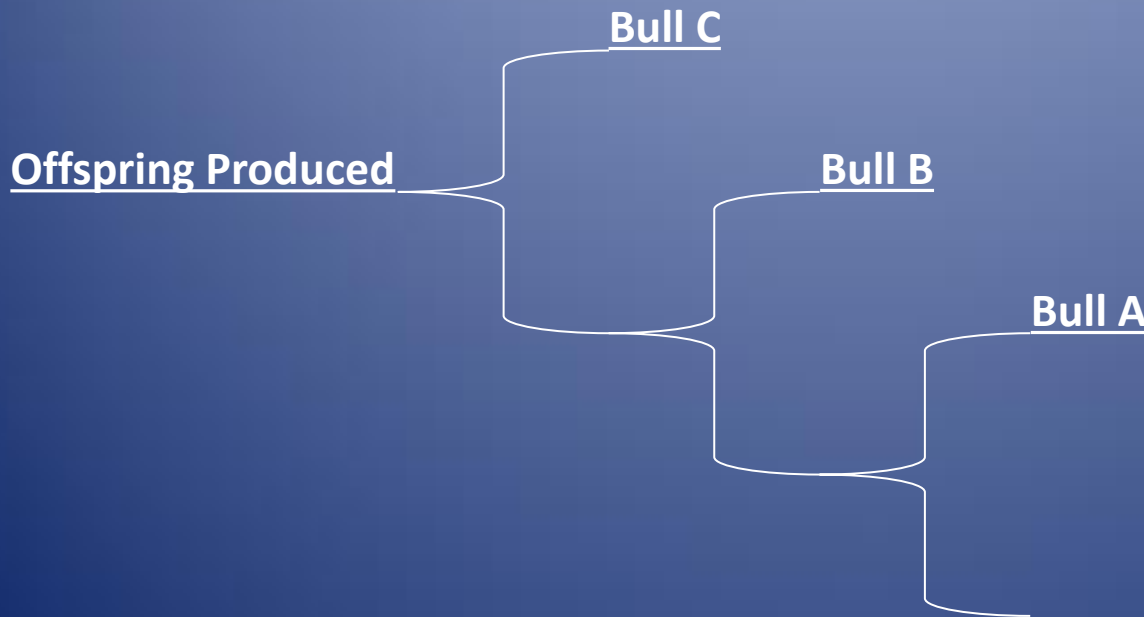
- Benchmark your herd's performance
- Set goals for herd improvement
- Utilize available data
- Dedication
- Discipline and Patience

Thank you



Importance of Bull Selection

- Two primary goals:
 1. Produce live calves
 2. Make genetic improvement in economically relevant traits



Bull	% Genes Contributed to Offspring Produced
A	12 ½
B	25
C	50
Total:	87 ½ %