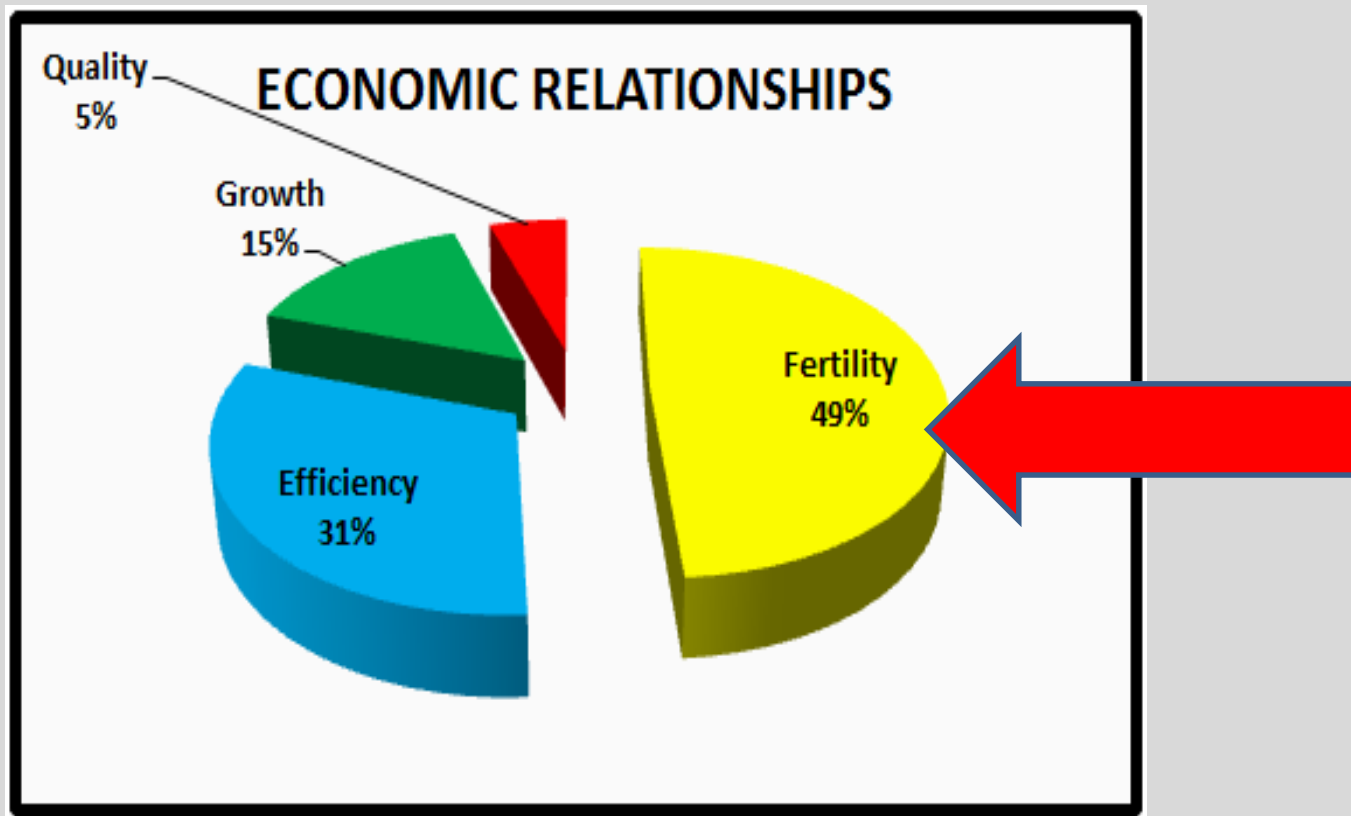


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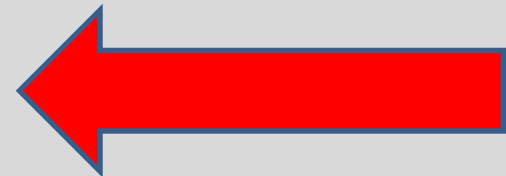
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Table 3. Relative Influence on Income

Stocking Rate	8
Fertility	4
Growth Rate	2
Carcase	1

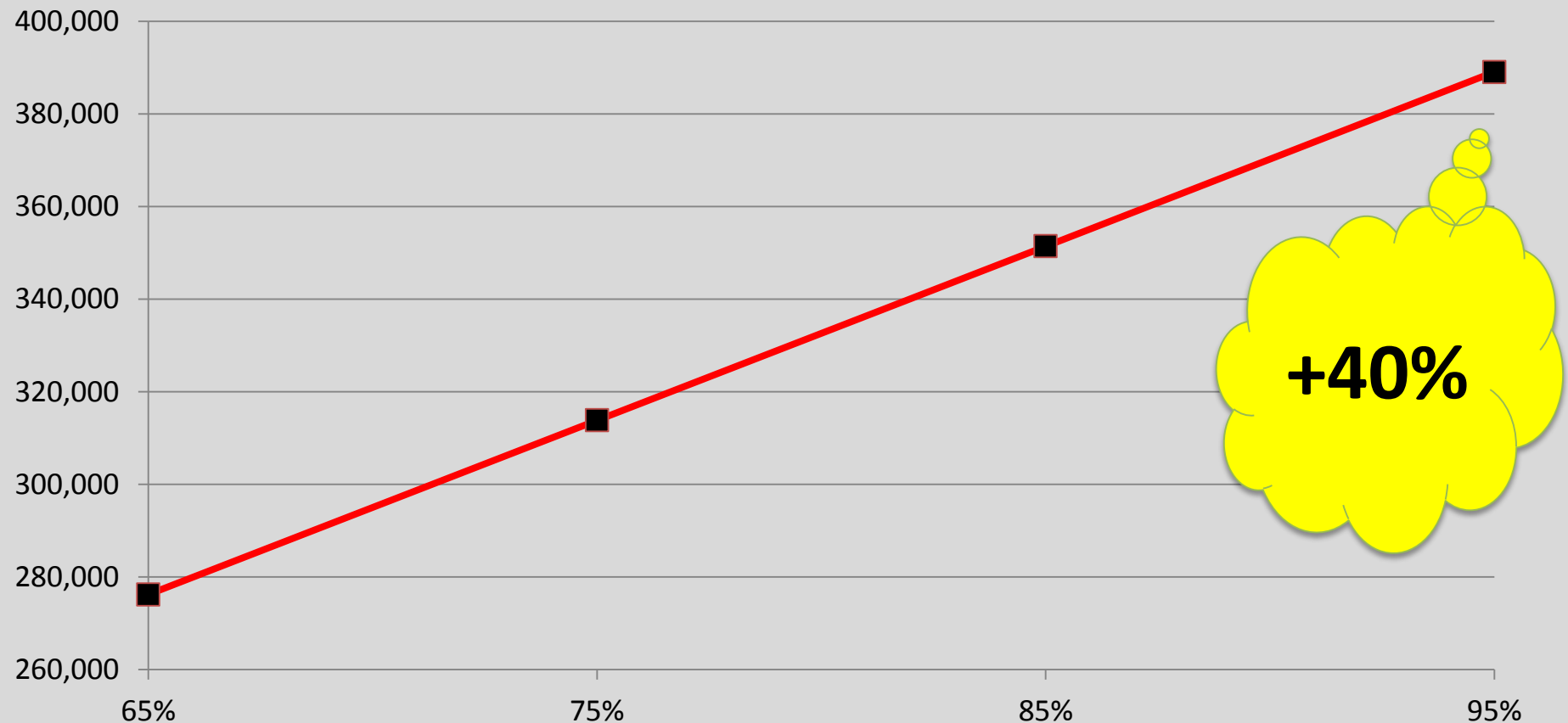


B

T

B

Differences in Gross margins using a medium frame cow and different fertility levels



■ Medium Frame Weaner

Farm size	1000ha
Stocking rate	6ha/LSU
Weaner price	R 17.00
Carcass price	R 27.00
Price of C grades	R 23.00

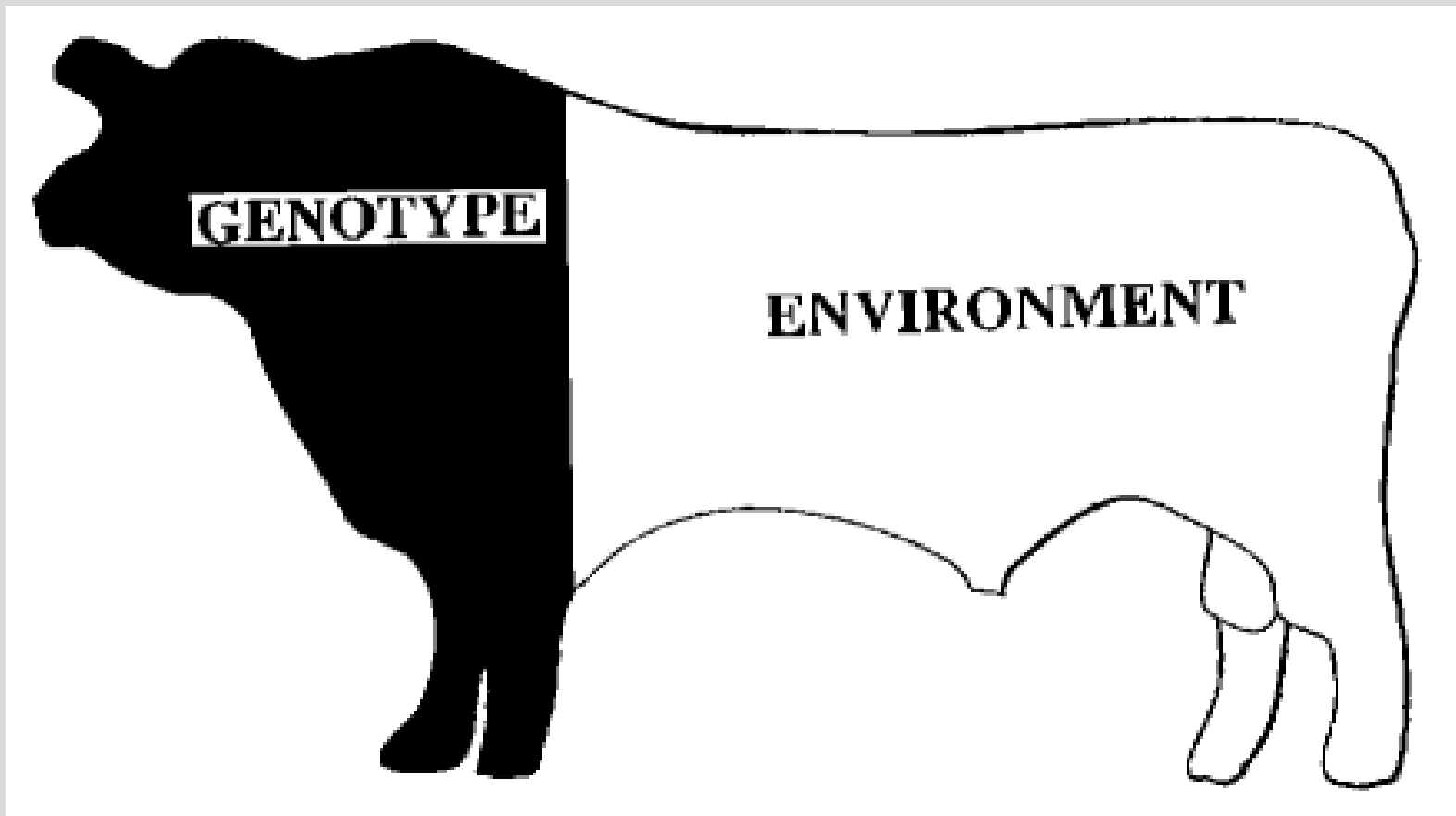
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Trait	Heritability
Direct: Birth weight	0.37
Direct: 200-Day weight	0.18
Direct: 400-D weight	0.27
Direct: 600-Day weight	0.30
Direct: Mature Cow Weight	0.39
Direct: Scrotal Size	0.36
Direct: Days to Calving	0.06
Maternal: Birth weight	0.07
Maternal: 200-Day weight	0.10



$$P = G + E$$

phenotype = genotype + omgewing)



$$P = G + E$$

phenotype = genotype + omgewing)

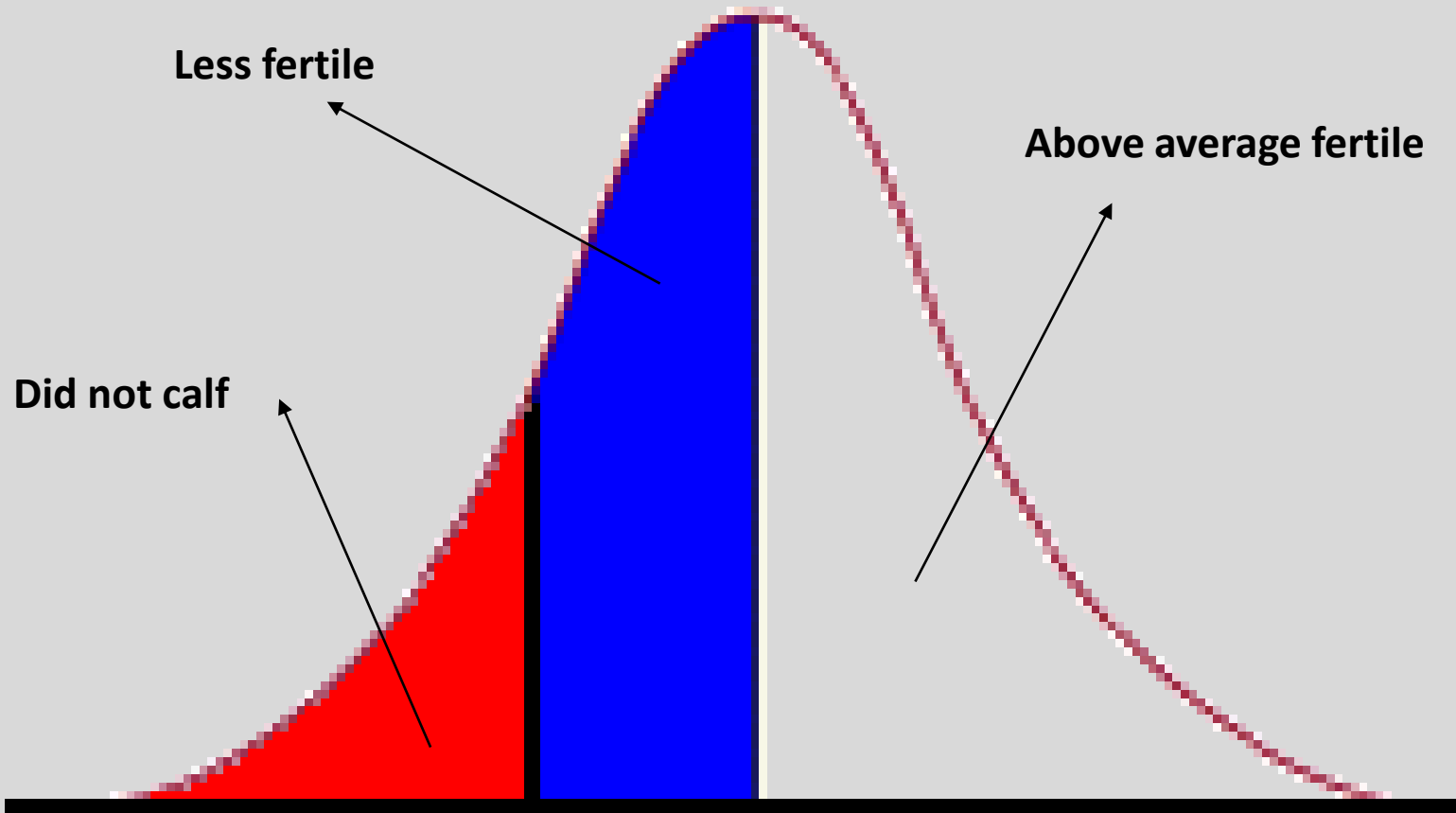


DIE GENETIESE KOMPONENT VAN VRUGBAARHEID WORD VERSLUIER DEUR VOEDING



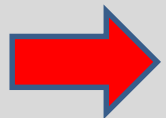
**Droogte gee die ideale geleentheid om vinniger
te vorder met vrugbaarheid seleksie**

Genetics

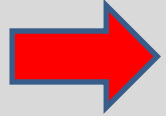


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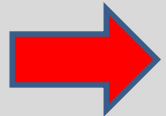
VRUGBAARHEID MAATSTAWWE



TKP



OUDERDOM EERSTE KALF

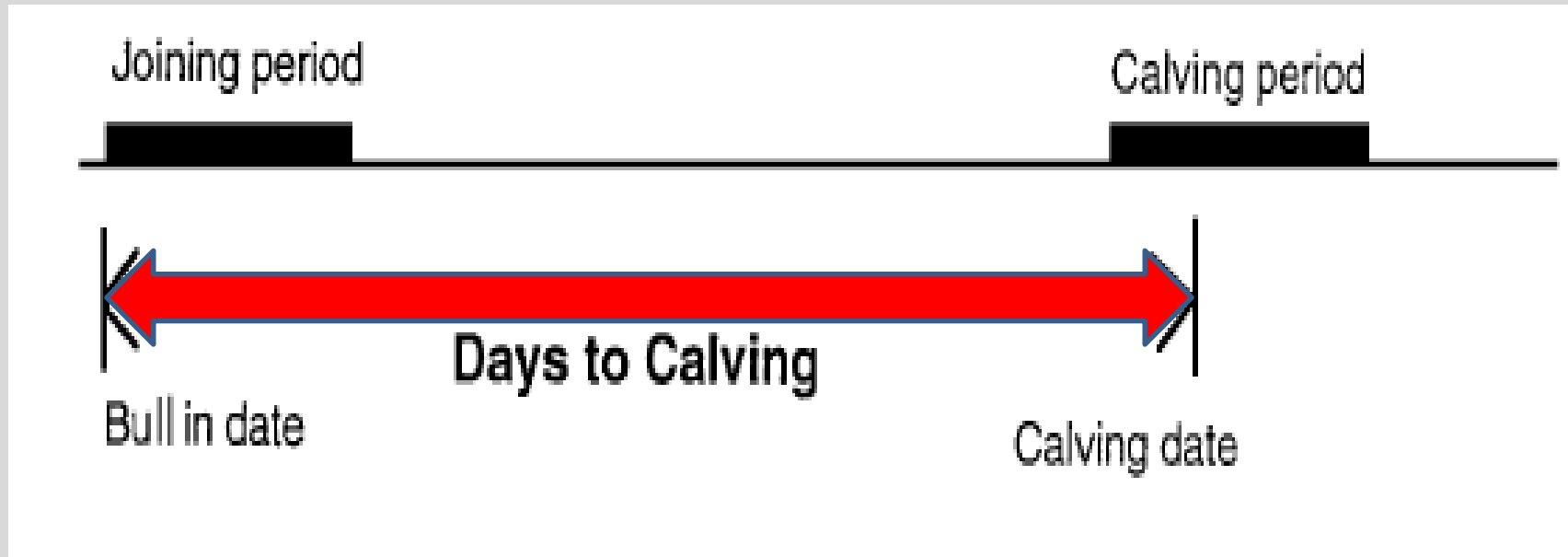


SIMDEX



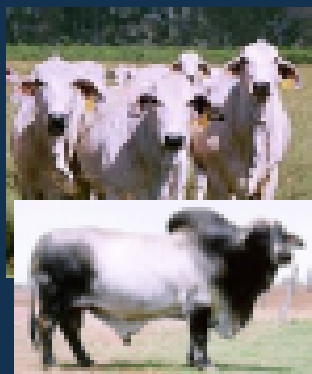
Days to Calving

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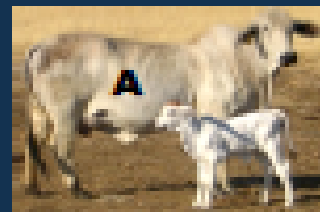


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Days to calving calculation



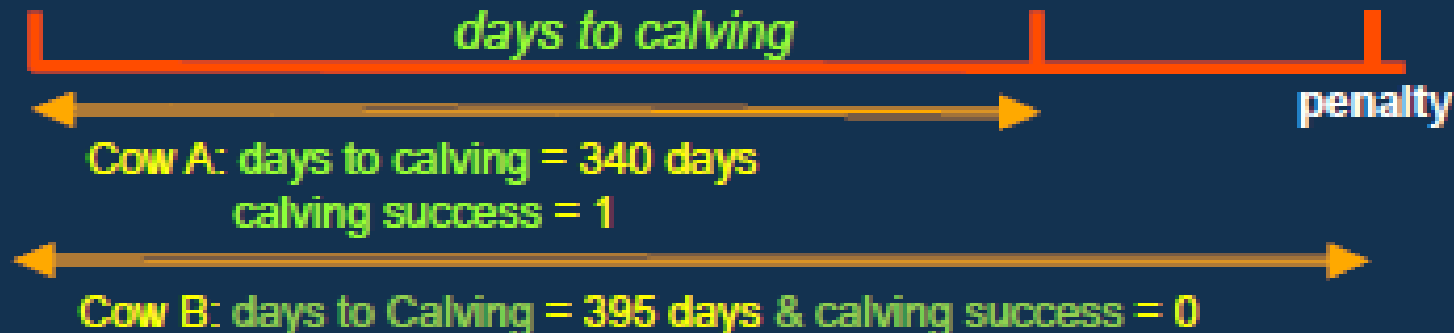
Bull-in date



Date of birth



Non-calver



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- WAT OM TE MEET VIR DTC

 Dekkings (Datum Bul in/uit)

 Dragtigheid (kalwing)

 Koei nie-kalf kodes

KOEI NIE-KALF KODES



Culled or sold

- A Cast for age
- B Sold surplus breeding female - but not code J or F
- C Calving incident
- D Disease (e.g. pesti, eye cancer, etc)
- E Eyes (pigment, hooding, etc)
- F Not in calf (i.e. failed preg test or did not calve)
- G Genetic condition (e.g. genetic carrier)
- H Horns
- J Cull unjoined heifer surplus to requirements
- K Coat Type
- P Poor performance (e.g. poor milking, low body condition, etc)
- Q Appearance (type, colour, markings, Society standards, etc)
- R Reproduction abnormality (eg freemartin, mal-formed uterus, pelvic area)
- S Structural problem (e.g. feet, legs, navel, etc)
- T Poor temperament
- U Udder or teat problems
- V Poor EBVs
- W Calved but failed to rear calf to weaning
- X Susceptible to parasites (ticks, buffalo fly, worms, etc)

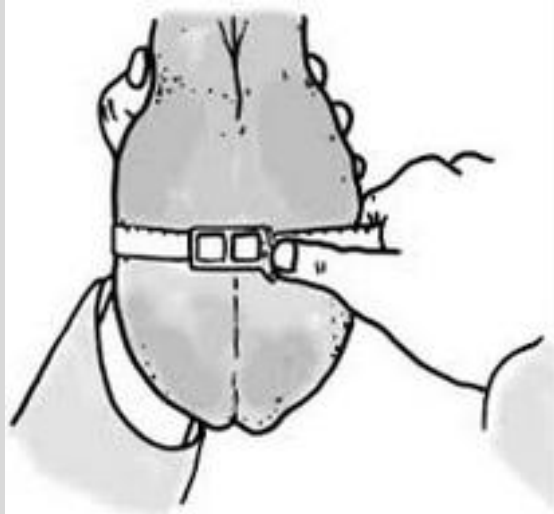
Died or missing

- C Calving incident (e.g. dystocia, prolapsed)
- D Disease (e.g. pesti, bloat, 3 day, etc)
- M Missing assumed dead
- X Parasites (ticks, buffalo fly, worms, etc)
- Y Unknown cause
- Z Accident (e.g. injury, drowned, poisoned, etc)

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- WAT OM VERDER TE MEET

SS



Kalwingsgemak

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January 2015 South African Simmentaler GROUP BREEDPLAN EBVS

	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 (%)
EBV	+3.8	+4.2	+0.3	+2.1	+17	+31	+29	+37	+4	+0.2	+4.4						0.0
Acc	65%	51%	67%	95%	88%	88%	86%	81%	60%	30%	37%	69%	49%	63%	63%	60%	56%
Breed Avg. EBVs for 2013 Born Calves Click for Percentiles																	
EBV	+0.4	+0.9	-0.6	+1.5	+15	+24	+30	+32	+5	+0.3	-0.4	+17	+0.2	-0.1	+0.2	+0.1	+0.2

January 2015 South African Simmentaler GROUP BREEDPLAN EBVS

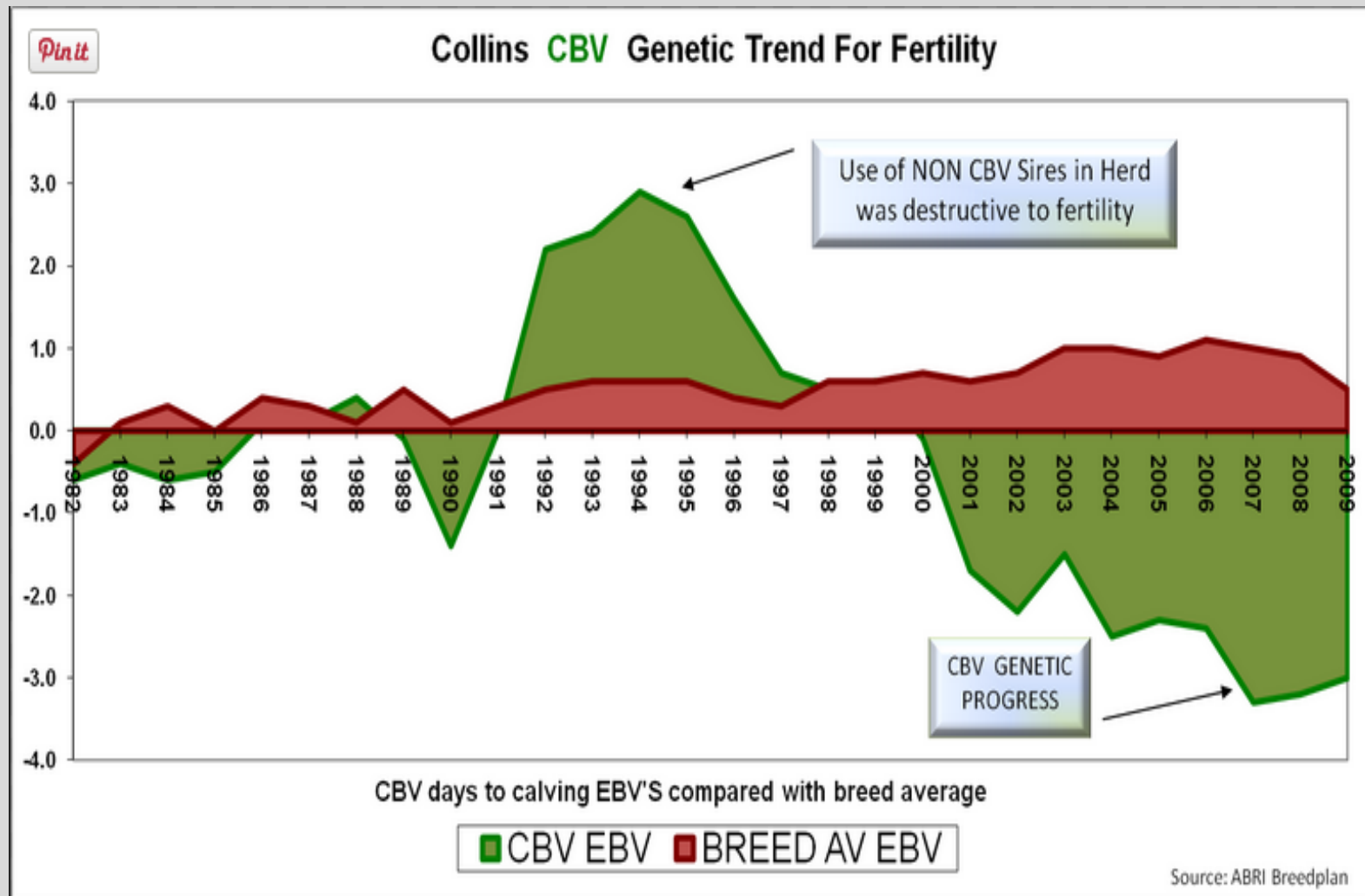
	Calving Ease DIR (%)	Calving Ease DTRS (%)	Gestation Length (days)	Birth Wt. (kg)	200 Day Wt (kg)	400 Day Wt (kg)	600 Day Wt (kg)	Mat Cow Wt (kg)	Milk (kg)	Scrotal Size (cm)	Days to Calving (days)	Carcass Wt (kg)	Eye Muscle Area (sq cm)	Rib Fat (mm)	Rump Fat (mm)	Retail Beef Yield (%)	IMF (%)
EBV	+6.1	+4.3	-1.8	-0.5	+16	+27	+32	+43	+6	+1.2	-4.7						+0.2
Acc	56%	42%	56%	89%	85%	86%	88%	83%	65%	77%	45%	71%	62%	73%	72%	71%	68%
Breed Avg. EBVs for 2013 Born Calves Click for Percentiles																	
EBV	+0.4	+0.9	-0.6	+1.5	+15	+24	+30	+32	+5	+0.3	-0.4	+17	+0.2	-0.1	+0.2	+0.1	+0.2
Traits Observed: BWT,200WT,400WT,600WT,FAT,EMA,IMF																	

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December 2014 South African Simmentaler GROUP BREEDPLAN BVSV - Percentile Bands for all 2012 born animals
Use this table as a guide to compare individual animals to the current genetic level of the breed

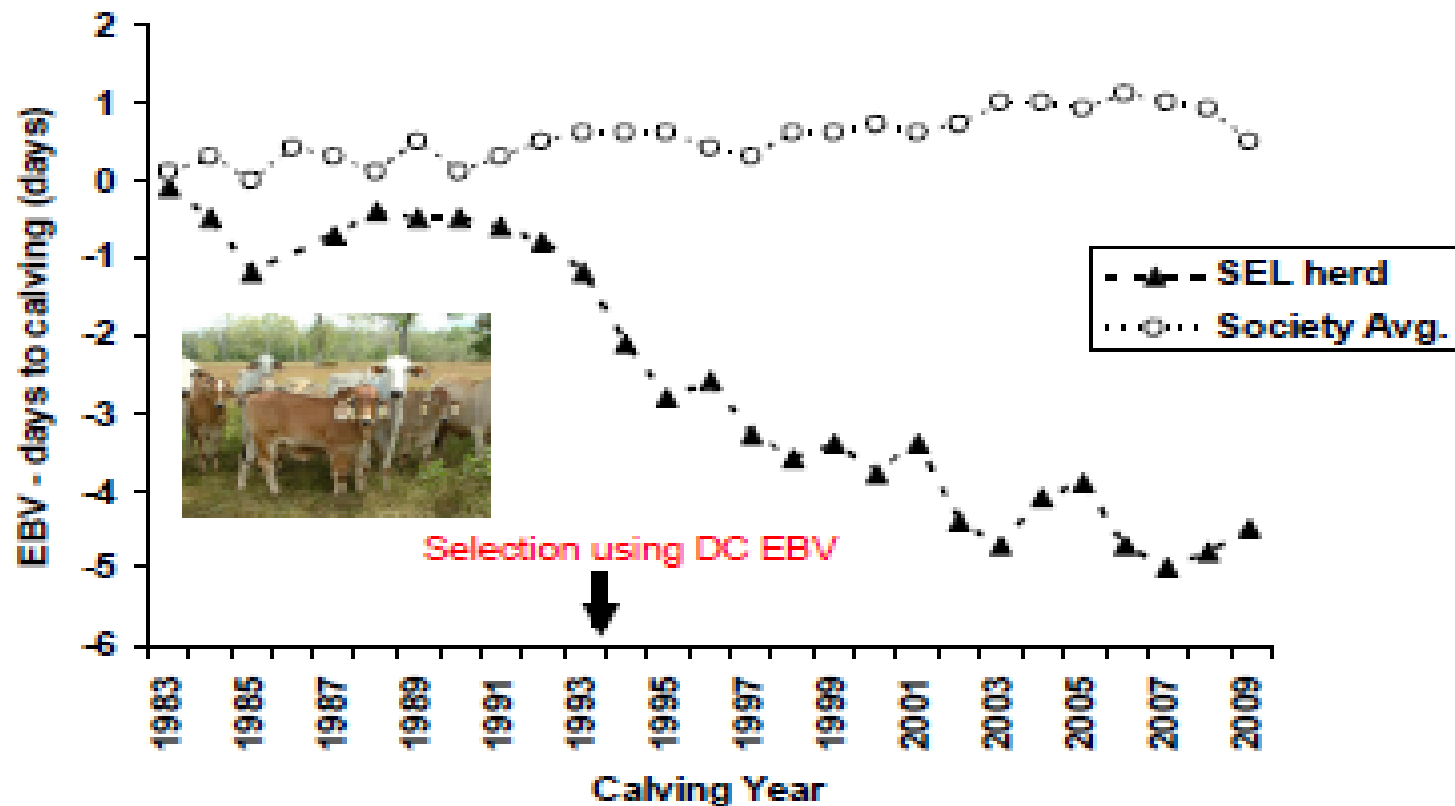
	Calv-Ease		Birth		Growth						Fert	Carcase						Indexes			
	Dir	Dtrs	GL	Bwt	200	400	600	Mwt	Milk	SS		DC	Cwt	EMA	Rib	Rump	RBV	IMF	SF	SG	TS
	%		days			kg				cm		days	kg	sq.cm	mm		%		R		
High 1%	+7.8	+7.0	-2.7	-0.9	+25	+41	+52	+59	+10	+1.2	-3.4	+29	+1.6	+0.3	+0.7	+0.9	+0.4	+106	+179	+213	
High 5%	+5.5	+4.5	-2.0	-0.1	+22	+35	+45	+50	+8	+0.9	-2.2	+25	+1.1	+0.2	+0.5	+0.6	+0.3	+84	+148	+181	
High 10%	+4.2	+3.6	-1.7	+0.3	+21	+32	+42	+46	+7	+0.8	-1.6	+23	+0.8	+0.1	+0.4	+0.5	+0.2	+73	+132	+166	
High 15%	+3.4	+3.1	-1.5	+0.5	+20	+31	+39	+43	+7	+0.7	-1.3	+22	+0.7	+0.1	+0.3	+0.4	+0.2	+66	+124	+156	
High 20%	+2.8	+2.6	-1.3	+0.8	+19	+29	+37	+41	+6	+0.6	-1.1	+21	+0.6	+0.0	+0.3	+0.3	+0.2	+62	+117	+148	
High 25%	+2.2	+2.3	-1.2	+0.9	+18	+28	+36	+39	+6	+0.6	-0.9	+20	+0.5	+0.0	+0.3	+0.3	+0.2	+58	+111	+142	
High 30%	+1.8	+2.0	-1.0	+1.1	+17	+27	+34	+37	+6	+0.5	-0.8	+19	+0.4	+0.0	+0.3	+0.2	+0.2	+55	+107	+137	
High 35%	+1.4	+1.7	-0.9	+1.2	+17	+26	+33	+35	+5	+0.5	-0.7	+19	+0.4	+0.0	+0.2	+0.2	+0.2	+52	+103	+131	
High 40%	+1.1	+1.4	-0.8	+1.3	+16	+25	+32	+34	+5	+0.4	-0.6	+18	+0.3	+0.0	+0.2	+0.2	+0.2	+49	+99	+127	
High 45%	+0.7	+1.2	-0.7	+1.4	+16	+24	+31	+32	+5	+0.4	-0.6	+18	+0.3	+0.0	+0.2	+0.1	+0.2	+46	+95	+122	
50%	+0.4	+0.9	-0.6	+1.5	+15	+23	+29	+31	+5	+0.4	-0.5	+17	+0.2	+0.0	+0.2	+0.1	+0.2	+44	+91	+118	
Low 45%	+0.0	+0.7	-0.5	+1.6	+15	+23	+28	+30	+5	+0.3	-0.4	+16	+0.2	-0.1	+0.2	+0.1	+0.1	+41	+88	+114	
Low 40%	-0.3	+0.4	-0.5	+1.7	+14	+22	+27	+28	+4	+0.3	-0.3	+16	+0.1	-0.1	+0.1	+0.1	+0.1	+39	+84	+109	
Low 35%	-0.7	+0.2	-0.4	+1.9	+14	+21	+26	+27	+4	+0.2	-0.3	+15	+0.1	-0.1	+0.1	+0.0	+0.1	+37	+81	+105	
Low 30%	-1.1	-0.1	-0.3	+2.0	+13	+20	+25	+25	+4	+0.2	-0.2	+15	+0.0	-0.1	+0.1	+0.0	+0.1	+34	+77	+100	
Low 25%	-1.5	-0.4	-0.1	+2.1	+12	+19	+23	+23	+4	+0.2	-0.1	+14	+0.0	-0.1	+0.1	+0.0	+0.1	+31	+73	+95	
Low 20%	-2.0	-0.7	+0.0	+2.3	+11	+18	+22	+21	+3	+0.1	+0.0	+13	-0.1	-0.1	+0.0	-0.1	+0.1	+29	+69	+89	
Low 15%	-2.6	-1.1	+0.1	+2.4	+10	+16	+20	+19	+3	+0.0	+0.1	+12	-0.2	-0.2	+0.0	-0.1	+0.1	+25	+65	+82	
Low 10%	-3.3	-1.7	+0.3	+2.6	+9	+14	+18	+16	+2	-0.1	+0.3	+11	-0.3	-0.2	+0.0	-0.2	+0.1	+21	+58	+74	
Low 5%	-4.5	-2.5	+0.6	+3.0	+8	+12	+14	+12	+2	-0.2	+0.6	+9	-0.4	-0.3	-0.1	-0.2	+0.0	+15	+49	+60	
Low 1%	-7.1	-4.2	+1.3	+3.7	+4	+7	+7	+3	+0	-0.6	+1.2	+6	-0.8	-0.4	-0.3	-0.4	-0.1	+0	+28	+37	

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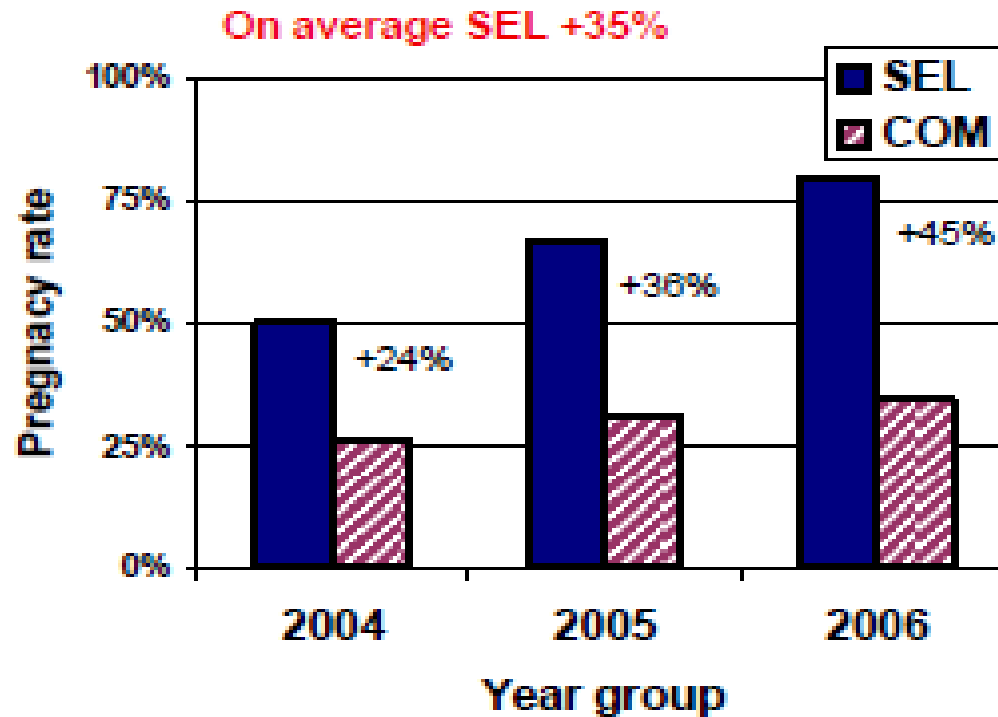
Change in days to calving EBV in the SEL herd and the Brahman breed society average.



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Results

Heifer pregnancy rates was significantly higher in SEL heifers



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