

cows available

ECONOTECH SIMMENTALER SEEDSTOCK PRODUCER

Selected registered cows available
(pregnant from outstanding bulls)

Table 1 Pedigree of cows

Sire of Cow	Cow ID	Number of calves	Birth Date
Prostock Hugo PP	PJD1111 P	6	10/21/11
Prostock Hugo PP	PJD1128 P	6	11/16/11
Jozette Gonasty PP	PJD124 P	6	01/09/12
Prostock Hugo PP	PJD1242 P	5	12/11/12
PJD0922 (son of Ganza P)	PJD1320 P	4	03/01/13
Jozette Gonasty PP	PJD1455 P	3	11/23/14
Lubabalu P (son of Gonasty)	PJD153 S	3	01/06/15
Salerika Bravo P	PJD1542 S	2	10/03/15

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Table 2 Selected breeding values (EBV's) for Calving Ease and Growth

	Calving ease			Growth			SF
	CED	CEM	Birth Wt	200days	400days	MCW	
Cows available							
PJD1111 P	0.4	0.1	0.9	13	18	27	37
PJD1128 P	3	0.6	0.7	18	31	48	42
PJD124 P	3.4	4.3	2	12	26	32	50
PJD1242 P	1.6	-0.9	0.5	13	22	15	55
PJD1320 P	6.6	2.3	-1.3	11	22	27	55
PJD1455 P	9.6	6.5	0.6	13	27	34	90
PJD153 S	-0.8	3.6	2.9	18	31	43	74
PJD1542 S	-0.2	2.3	2.2	17	33	51	76
Average	3.0	2.4	1.1	14	26	35	60
SA 2017 crop	0.5	0.7	1.5	16	25	33	55

	Inside top 10% of SA 2017 herd
	inside top 20% of SA 2017 herd

Note: Self Reliant Economic Index (SF)

cows available

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Table 3 Selected breeding values (EBV's) for Fertility

	Fertility		Number of Calves	Age at first calving (yrs)	Inter calving period ICP	Simdex
	SS	DtC (Days to Calving)				
Cows available						
PJD1111 P	0.3	-3.1	6	2	372	105
PJD1128 P	-0.1	-0.1	6	2.1	372	105
PJD124 P	1.4	1.5	6	1.7	382	108
PJD1242 P	-0.3	-0.4	5	1.9	381	107
PJD1320 P	0.1	0	4	2.5	400	95
PJD1455 P	1.5	-3.3	3	2	382	108
PJD153 S	1	-3.8	3	1.8	384	112
PJD1542 S	1.1	-3.9	2	2.1	438	104
Average	0.6	-1.6		2.0	389	106

SA 2017 crop	0.3	-0.6		2.6	444	
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	Inside top 10% of SA 2017 herd
	inside top 20% of SA 2017 herd

young calves

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Table 4

Planned outcome of progeny of cows mated with top sires

Planned sire of calf	ID of sires	Cow ID	Calving Date
Econotech Kalant P	PJD1565	PJD1111 P	12/26/19
Econotech Kalant P	PJD1565	PJD1128 P	12/26/19
Simberg Zolerz P	JS1236	PJD124 P	12/26/19
Econotech Kalant P	PJD1565	PJD1242 P	01/06/20
Econotech Dan P	PJD1743	PJD1320 P	01/27/20
De Vil Claas	JPD1065	PJD1455 P	12/26/19
Econotech Neels P	PJD1637	PJD153 S	01/03/20
De Vil Claas	JPD1065	PJD1542 S	01/11/20

Source: Pregnancy tests by Dr Harry Welham
on 18th June 2019

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Planned outcome of progeny of cows mated with top sires

Table 5 Selected breeding values (EBV's) of calves for Calving Ease

Sires mated to cows	Cows mated	Inbreeding coefficient	Calving ease		
			CED	CEM	Birth Wt
Kalant P	PJD1111 P	0%	2.6	2.3	1.0
Kalant P	PJD1128 P	2%	3.9	2.5	0.9
Zolerz P	PJD124 P	1%	6.5	2.8	0.8
Kalant P	PJD1242 P	0%	3.2	1.8	0.8
Dan P	PJD1320 P	1%	7.7	2.5	-0.9
Claas	PJD1455 P	2%	9.1	5.0	-0.3
Neels P	PJD153 S	2%	1.3	4.3	2.2
Claas	PJD1542 S	3%	4.3	2.8	0.5
Average of planned calves			4.8	3.0	0.6
% increase above EBV's of cows			63%	30%	-45%

	Inside top 10% of SA 2017 herd
	inside top 20% of SA 2017 herd

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Planned outcome of progeny of cows mated with top sires

Table 6 Selected breeding values (EBV's) of calves for Growth

Sires mated to cows	Cows mated	Growth			SF
		200days	400days	MCW	
Kalant P	PJD1111 P	15	25	30	70
Kalant P	PJD1128 P	17	32	40	73
Zolerz P	PJD124 P	17	32	32	105
Kalant P	PJD1242 P	15	27	24	79
Dan P	PJD1320 P	14	25	27	90
Claas	PJD1455 P	14	25	25	90
Neels P	PJD153 S	20	32	41	79
Claas	PJD1542 S	16	28	33	83
Average of planned calves		16	28	32	84
% increase above EBV's of cows		11%	7%	-8%	40%

	Inside top 10% of SA 2017 herd
	inside top 20% of SA 2017 herd

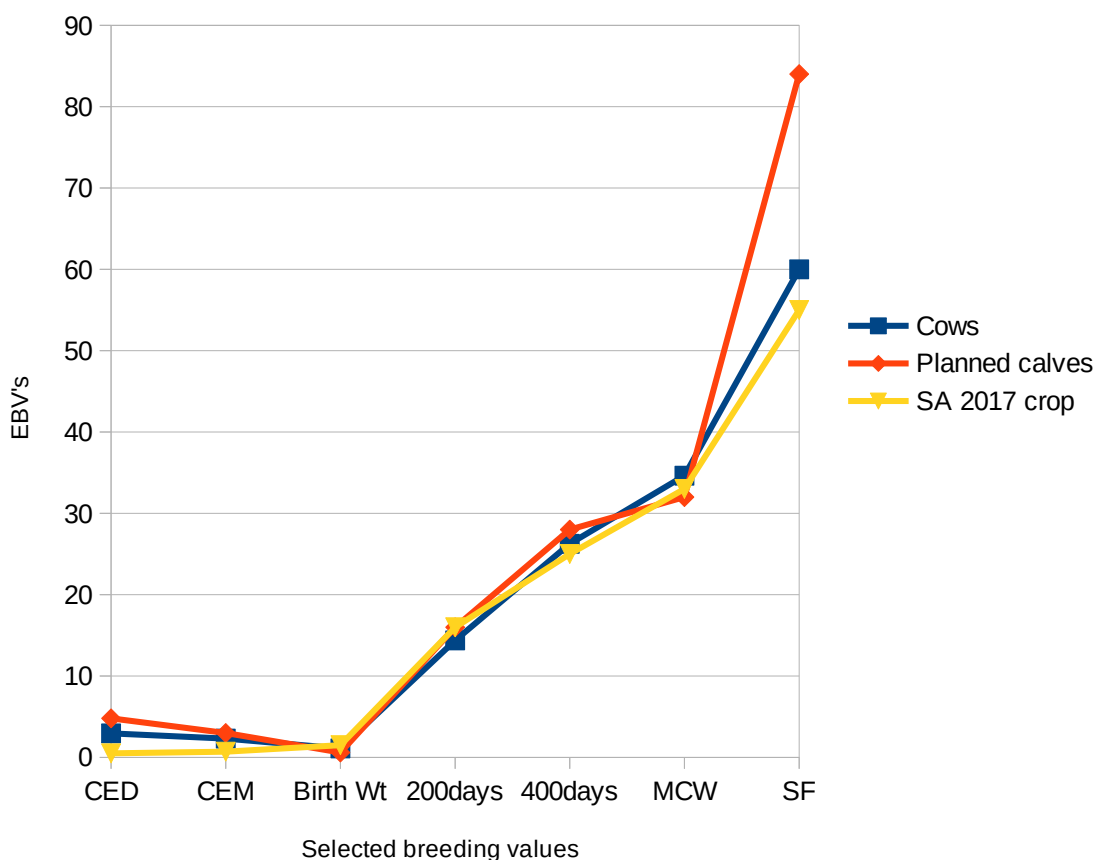
Note: Self Reliant Economic Index (SF)

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	CED	CEM	Birth Wt	200days	400days	MCW	SF
Cows	3.0	2.3	1.1	14	26	35	60
Planned calves	4.8	3	0.6	16	28	32	84
SA 2017 crop	0.5	0.7	1.5	16	25	33	55

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Average of cows and their planned calves



The cows have on average fairly high (in top 25% of the SA 2017 crop) EBV's for calving ease (CED and CEM). A judicious selection of bulls resulted in an increase of the calving ease of their planned calves to the top 10% of the SA crop and a decrease in their planned birth weight (from top 50% to the calves' top 15%). The cows and their planned calves have on average middle of the road growth rates, but with one difference: the mature cow weight of the planned calves should drop with 8%. In summary the calves' average economic index (SF) should increase to the top 15% of the SA crop.