

15 April 2023

Selection Values

Breeder usually want to select more than one trait at a time. However, it is difficult to identify the 'best' animal when there are many traits and consequently many breeding values involved. A selection value combines different weighted breeding values into a single value. Breeding values are weighted according to their economic importance and genetic heritability and thus include the advantages and disadvantages of different traits in a balanced way. For example, fertility counts much more than Calfing Ease. The sub-indices and cow value are also individually expressed as indices, where 100 indicates the average of all line animals.

Table 1: The traits and breeding values used to compile the Cow Value

Sub-value	Weight (%)	Breeding Value weight (%)
Calfing Ease	9%	6.1%
Calf Growth	25%	3.1%
Milk	18%	25.4%
Maintenance	12%	12.4%
Fertility	36%	10.6%
	Cow Fertility	13.1%
	Lopexity	13.4%

What does the 'best' animal look like?

The animal with the highest selection values is theoretically the best animal. Calfing ease: An animal with negative breeding values for birth direct and birth maternal will have a positive Calfing Ease value.

Calf Growth: Animals with a higher Weaning weight breeding value (Wean direct) will have a higher Calf Growth value.

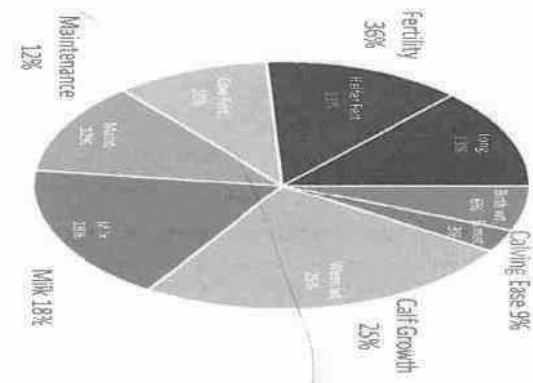
Milk: Animals with a positive milk breeding value (Milk maternal) will get a higher milk value.

Maintenance: Mature weight is weighted negatively because larger cows require more energy for maintenance.

Fertility: Negative breeding values indicate more fertile animals, and therefore fertility is weighted negatively. This will result in a positive selection value.

Cow value: The sub-values are combined in the table to obtain the cow value.

Growth value: The combination of traits places more emphasis on growth. Weighting is as follows: Calfing Ease 7%, Calf Growth 55%, Milk 20% and Maintenance 20%.



Breeding Objectives

A breeding objective is still essential, as two animals with different strengths and weaknesses may receive the same Selection Value. The bull with the highest Cow Value should therefore not be selected blindly, sub-values should also be inspected. Select bulls carefully, for example:

Bull to use on heifers: High Calfing Ease and average Calf Growth and Maintenance. These traits are antagonistic to each other since low birth weight is associated with low growth and low mature weight, resulting in a small cow which will not calve easily in future.

Bull to breed replacement heifers: High Fertility, good Milk and Calf Growth, average Maintenance.

Bull for (terminal) crossbreeding (Dutch or native crossed cows that are easy-calving and in a good environment): Maximum Calf Growth, Fertility and Milk are not important if all offspring are daughters.



BORAN BEESTELERSGENOOTSCHAP VAN SA

Valingsedatum: 13/04/2023
Data soos op 08/04/2023



EXPLANATION OF ABBREVIATIONS IN CATALOGUE

Identification number	Ident. Number	Ident. Number	Ident. Number
Accuracy of breeding value index	Acc	Ident. Number	Ident. Number
Birth direct (kg)	BDi	Ident. Number	Ident. Number
Birth maternal (kg)	BDM	Ident. Number	Ident. Number
Wean direct (kg)	WDi	Ident. Number	Ident. Number
Wean maternal (kg)	WDM	Ident. Number	Ident. Number
Mature weight (kg)	MWt	Ident. Number	Ident. Number
Scrotal circumference (mm)	Scr	Ident. Number	Ident. Number
Age in years and months	Age	Ident. Number	Ident. Number
Average Wean Index	AWI	Ident. Number	Ident. Number
Reproduction Index	RI	Ident. Number	Ident. Number
Age first calving	AFG	Ident. Number	Ident. Number
Inter-calving period	ICP	Ident. Number	Ident. Number
Weaning weight	WW	Ident. Number	Ident. Number
First wean	FW	Ident. Number	Ident. Number
Wean weight ratio	WWR	Ident. Number	Ident. Number
Birth weight ratio	BWR	Ident. Number	Ident. Number
Breeding value index	BV	Ident. Number	Ident. Number
Registration number	Reg number	Ident. Number	Ident. Number
Quintuplet verification	QV	Ident. Number	Ident. Number
Year generated	Y	Ident. Number	Ident. Number
Master generation	M	Ident. Number	Ident. Number
Bulls generated	B	Ident. Number	Ident. Number

Description of traits and breeding objectives

TRAIT	GEN	DESCRIPTION	OBJECTIVE	Genetic goals use for breeding value index
Calfing Ease	Birth weight	Birth weight (birth direct)	Early calving	Heavy
	Birth maternal	Birth weight of cow/dam/daughters calves (birth maternal)	Easy calving	Heavy
Calf Growth	Weaning weight	Weaning weight (wean direct)	Heavy weaner	Light
	Milk	Milk production of cow/dam/daughters (milk maternal)	Heavy weaner	Light
Fertility	Age at first calving (AFC)	Age at first calving and only calving within 24 months of first calving	Fertile heifers	Low
	Reproduction Index	Combination of 15- and 16 month weights of bulls and heifers	Fertile heifers	Low
Growth	True wean weight	Combination of 15- and 16 month weights of bulls and heifers	Above average growth	Light
	Mature weight	Combination of 15- and 16 month weights of bulls and heifers	Average weight	Light

Additional notes:

Breeding objectives depend on the environment in which the animals must perform. For example, intensive systems with a lot of food can support larger animals, while extensive systems with less food can support smaller animals. Selection for heavy weaners is advised to select for animals of average size in intensive systems with less food. Dairy studies are not the generally accepted 'favourable' range in which to select. Make the objectives sometimes fall outside this range.

Animals with an average score 100 across traits that the average is the weight in the breed. A high value for birth weight (weaners) indicates a smaller (favourable) cow.

Milk animals in the breed (75%) are average and have an index between 90 and 110. Traits are generally correlated to each other. Selection for heavy weaners will lead to heavy mature animals (poor maintenance requirements) and heavy birth weights (possible difficult calving).

Milk producing values (but) low or proportion to weaning weight, the cow must have enough milk to raise the calf, and low low milk production is unfavourable.

Cell	Genus	Mass	Vergleichswert	Kontingenz	Kontingenz	Sh	Verstärkung	Interl.	
Genus	Genus	Genus	Genus	Genus	Genus	Genus	Genus	Genus	
Genus	Genus	Genus	Genus	Genus	Genus	Genus	Genus	Genus	
1	10	6	2	20.5	4	4.5	10	40.42	5.8
72	51	52	90	57	32	22	20	32	20
101	102	91	87	127	103	105	111	115	109
103		114	91	128		89		115	

Table 1. Genus and mass comparison. Genus: 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793,

Birth Date	Gravh	Mth	Fertility	Cow Value	Cow Value	Bell	Ratio	Yrns
Birth Or Birth M	W Or	W	ATC	CP	PLY	Mchd	Valrs	Sc
BY	35	<41	-5	5.9	<4.1	-8	5	19.22
ACc	76	62	42	39	62	35	32	35
MS	111	91	102	92	120	97	97	101
103	91	102	103	102	101			93

Birth Date: 10/10/1910
 Gravh: 10/10/1910
 W Or: 10/10/1910
 W: 10/10/1910
 ATC: 10/10/1910
 CP: 10/10/1910
 PLY: 10/10/1910
 Mchd: 10/10/1910
 Valrs: 10/10/1910
 Sc: 10/10/1910
 Ratio: 10/10/1910
 Yrns: 10/10/1910

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[illegible]

NAME ID#

MANSON WJ180166 WJ 180166

SEX FEMALE

SP REG

0081816475 07-OCT-18

REG. NUMBER REG. DATE

0711764 Bor 0711764 Bor

Redan Bor Redan Bor

DATE OF BIRTH AGE

1974-04-24 14.0

DATE OF DEATH AGE

1974-04-24 14.0

DATE OF CAUSE AGE

1974-04-24 14.0

DATE OF CAUSE AGE

1974-04-24 14.0

NOT TESTED

Color Color

Black Black

Blue Blue

White White

Yellow Yellow

Orange Orange

Green Green

Grey Grey

Red Red

Black Black

Blue Blue

White White

Yellow Yellow

Orange Orange

Green Green

Grey Grey

Red Red

Weight Weight

100.0 100.0

Height Height

100.0 100.0

Length Length

100.0 100.0

Width Width

100.0 100.0

Depth Depth

100.0 100.0

Area Area

100.0 100.0

Volume Volume

100.0 100.0

Color Color

Black Black

Blue Blue

White White

Yellow Yellow

Orange Orange

Green Green

Grey Grey

Red Red

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100.0 100.0

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Length Length

100.0 100.0

Width Width

100.0 100.0

Depth Depth

100.0 100.0

Area Area

100.0 100.0

Volume Volume

100.0 100.0

Color Color

Black Black

Blue Blue

White White

Yellow Yellow

Orange Orange

Green Green

Grey Grey

Red Red

Black Black

Blue

[illegible][illegible]

	Catching Ease	Concent.	Miles	Fertility	Wt Hatched	PW Males	Cow Value	Bull	Ratio	Vacc. +	
	Birth D ^a	Birth A ^b	Wt Hatched	AFC	EOP	DW Weight	Value	Ser	BNR WMR	In Vire	
BV	.55	-67	-2	-3	-10.6	-4.7	-6.5	-7.6	27.71	2.3	.
Asc	78	69	39	35	64	34	31	26	38	33	.
IV no	113	115	67	69	113	124	85	84	107	101	Totals:
	121		67	68	123		118		107		

Breast Female
Lact per litter month at 16d post 11 litters on CBK, 3 months drying pen JRS JRS 13-152.
(Lactation series) Cows by Dr. R.J. 13-152JRS-10-145

Calf on foot is under the protection of Society has been reported that all rights shall be preserved

[illegible]

[illegible][illegible][illegible][illegible]

[illegible]

Catching Event	Crabs	Male	Fertility	Overweight	Carapace	Sex	Ratio	Vacc.
Birth Of Births M	W/D	W/M	AFC	KCP	PW	W/Weight	Value	Sc
BV	1.07	-23	3.6	-1.3	8.8	2.6	2.4	0
Asc	57	46	31	39	25	22	29	28
BV/Asc	24	165	104	94	88	103	96	92
SV/Asc	88	104	84	105	92	92	91	87

Vets and gill-ectoparasites on crabs, 7. Marine diversity was M/S W/D, 20-40% (Densities: 1000/m²)
 Group by: 105-201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000/1001/1002/1003/1004/1005/1006/1007/1008/1009/1010/1011/1012/1013/1014/1015/1016/1017/1018/1019/1020/1021/1022/1023/1024/1025/1026/1027/1028/1029/1030/1031/1032/1033/1034/1035/1036/1037/1038/1039/1040/1041/1042/1043/1044/1045/1046/1047/1048/1049/1050/1051/1052/1053/1054/1055/1056/1057/1058/1059/1060/1061/1062/1063/1064/1065/1066/1067/1068/1069/1070/1071/1072/1073/1074/1075/1076/1077

[illegible]

Catalog Entry	Chem.	Mixt.	Fertility	Cow Weight	Cow Value	Bull	Ratio	Vacc.
Bath Dr Birth M	W/OH	A/C	K/D	P/W	Weighted	Value	Spr	BVR ₉₀
BV	-29	-53	3	-4.6	-24.2	-8	-23	-10.3
A/C	7/8	6/4	5/6	5/6	5/4	27	27	36
BV Ind	10/8	12/8	4/5	6/2	13/0	10/5	8/1	4/0
BV Ind	11/8	4/5	6/2	12/1	13/2	10/5	8/1	4/0

Dewberry Hermetic
Birth date and deaths are calculated as averages ranging from 1/15 to 12/40 (all) Catalog IV, JCS 15-48

Call our toll free production line daily, has been improved, that will remain the same!

LOT 27
04472808, MNR, JH, ERASMUS, POSBUS 141 DEBY 047, 08364073
Name: JANSEN WJ280182, Ident. number: WJ 280182, Sex: FEMALE, Status: SP, Reg. number: 008484723, Breed Date: 18-OCT-20, DMS - Quarter Horse, Verifiable without S

Handwritten: 07002028, Wansel, Bred

Table: NE GET TOGET, Overlap, MEASUREMENTS, etc.

Table: Kart Details, Kart Data, TW, JAK, TW/nd, TW/nd

Table: Inbreeding, Embryo, etc.

LOT 26
04472808, MNR, JH, ERASMUS, POSBUS 141 DEBY 047, 08364073
Name: JERAS JRS160051, Ident. number: JRS 160051, Sex: MALE, Status: SP, Reg. number: 008478715, Breed Date: 02-OCT-16, DMS - Quarter Horse, Verifiable without S

Handwritten: 03472721, Foster, Africa, Plima

Table: NE GET TOGET, Overlap, MEASUREMENTS, etc.

Table: Kart Details, Kart Data, TW, JAK, TW/nd, TW/nd

Table: Inbreeding, Embryo, etc.

LOT 28
04472808, MNR, JH, ERASMUS, POSBUS 141 DEBY 047, 08364073
Name: UP ONE FARMING, PIA WALLY GEVERS POSBUS 121 GREYDOW 3259, 082783766
Ident. number: WG 160136, Sex: FEMALE, Status: SP, Reg. number: 008484723, Breed Date: 18-MAY-16, DMS - Quarter Horse, Verifiable without S

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Table: NE GET TOGET, Overlap, MEASUREMENTS, etc.

Table: Kart Details, Kart Data, TW, JAK, TW/nd, TW/nd

Table: Inbreeding, Embryo, etc.

LOT 26
04472808, MNR, JH, ERASMUS, POSBUS 141 DEBY 047, 08364073
Name: JERAS JRS160121, Ident. number: JRS 160121, Sex: MALE, Status: SP, Reg. number: 0084817911, Breed Date: 15-SEP-16, DMS - Quarter Horse, Verifiable without S

Handwritten: Komersa

Table: NE GET TOGET, Overlap, MEASUREMENTS, etc.

Table: Kart Details, Kart Data, TW, JAK, TW/nd, TW/nd

Table: Inbreeding, Embryo, etc.

	Kol Dien	Keel Dien	Meer Dien	Wingvoort Dien	Koelgong Dien	Keel Wingvoort	Bil Dien	Wingvoort Dien
Sub C1	100	100	100	100	100	100	100	100
Sub C2	100	100	100	100	100	100	100	100
Sub C3	100	100	100	100	100	100	100	100
Sub C4	100	100	100	100	100	100	100	100
Sub C5	100	100	100	100	100	100	100	100
Sub C6	100	100	100	100	100	100	100	100
Sub C7	100	100	100	100	100	100	100	100
Sub C8	100	100	100	100	100	100	100	100
Sub C9	100	100	100	100	100	100	100	100
Sub C10	100	100	100	100	100	100	100	100
Sub C11	100	100	100	100	100	100	100	100
Sub C12	100	100	100	100	100	100	100	100
Sub C13	100	100	100	100	100	100	100	100
Sub C14	100	100	100	100	100	100	100	100
Sub C15	100	100	100	100	100	100	100	100
Sub C16	100	100	100	100	100	100	100	100
Sub C17	100	100	100	100	100	100	100	100
Sub C18	100	100	100	100	100	100	100	100
Sub C19	100	100	100	100	100	100	100	100
Sub C20	100	100	100	100	100	100	100	100
Sub C21	100	100	100	100	100	100	100	100
Sub C22	100	100	100	100	100	100	100	100
Sub C23	100	100	100	100	100	100	100	100
Sub C24	100	100	100	100	100	100	100	100
Sub C25	100	100	100	100	100	100	100	100
Sub C26	100	100	100	100	100	100	100	100
Sub C27	100	100	100	100	100	100	100	100
Sub C28	100	100	100	100	100	100	100	100
Sub C29	100	100	100	100	100	100	100	100
Sub C30	100	100	100	100	100	100	100	100
Sub C31	100	100	100	100	100	100	100	100
Sub C32	100	100	100	100	100	100	100	100
Sub C33	100	100	100	100	100	100	100	100
Sub C34	100	100	100	100	100	100	100	100
Sub C35	100	100	100	100	100	100	100	100
Sub C36	100	100	100	100	100	100	100	100
Sub C37	100	100	100	100	100	100	100	100
Sub C38	100	100	100	100	100	100	100	100
Sub C39	100	100	100	100	100	100	100	100
Sub C40	100	100	100	100	100	100	100	100
Sub C41	100	100	100	100	100	100	100	100
Sub C42	100	100	100	100	100	100	100	100
Sub C43	100	100	100	100	100	100	100	100
Sub C44	100	100	100	100	100	100	100	100
Sub C45	100	100	100	100	100	100	100	100
Sub C46	100	100	100	100	100	100	100	100
Sub C47	100	100	100	100	100	100	100	100
Sub C48	100	100	100	100	100	100	100	100
Sub C49	100	100	100	100	100	100	100	100
Sub C50	100	100	100	100	100	100	100	100
Sub C51	100	100	100					

	Calfing Ease	Calf Growth	Milk	Fertility	Cow weight	Cow Value	BMI	Ratio	Veter.							
	Days/dl	Born M	Wt Ref.	AFC	KCP	PVW	Weight	Value	Ser	BMI	TWTR	In V/U	Enrich	Careless	G	Total
BY	-47	-08	1.7	-5	-9.9	1	3	6.8	20.96	7.7	.	.	.	.	.	.
Asz	76	44	76	29	56	22	22	15	31	32						
AVid	111	100	68	97	112	101	99	105	162	113						
AVid	111		58	97	111		83		102							
Breeder Remarks																

Herd's best potential on m.m.talling is surely to work 7 Macade single per MS after 12-20 ml. Group by JCS 15-16

[illegible]

	Catfing Ease	Catf Growth	Milk	Fertility	Cow weights	Cow Value	Bull	Ratio	Udder -				
	Born Dr Birth M	W Dlt	W Milk	AFC	ACP	PV	Mat. Weight	Sec. Value	ENVIRONMENT				
BV	57	-32	1.1	-1	2.3	-4	1.4	-1.0	10.3	-5.2	-	-	BVARD
Asc	56	45	35	32	46	26	24	20	31	25	-	-	Embryo Calves: 0
BV/ind	83	105	97	58	97	103	162	83	98	85	-	-	TEST:-
BV/rd	90		57	58	100		103		59				

Base given was not secondaries involved, 3 female, 2 males, 100 MGS, 100 F (female)

Genetic Group of MGS 200

Call on Ford is under the protection of Society. But Screened. But will needs to be approved.

0828869613 Saad iqbal @ gmail.com

Call or "vote" is neither the prohibition of society, has been screened, but all needs to be equivalent.

[illegible][illegible]

	GRD DIR	GRD M	WDIR	WR MAIL	QEX	TPO	HA SP	COVE	WANTS	SER	QEX SGV	
TV	19	-06	8.1	-4.9	11.3	-5	13.2	15	6.6	-	-	IN VBO
Alt	75	55	38	37	61	34	28	25	37	29		Entho Kluwer, D
TV no	100	98	111	87	86	104	107	116	88	111		Totale -
TV no	100		111	81	82		86		88			

Team Coaching : 3.11.1 - Met vrm. sal. 56.220 vsm 11.01.11 - 11.05.11
 server: Distingv. van 300-200 / 1000 - 2000 / 85 - 14.06

Kijk voor u onder beschrijving van Grootenstaal, getuizen, maar niet geluid moet

[illegible]

LOT 38	0434735000	MNR, J.H. EPASMAUS, POSBUS	141 DERBY CMT	0435354875
Name	JERAS JRS190080	Sex	Section	Draw
	JRS 190080	FEMALE	SP	REG
				0082958542
				02-JU

Ernesto Ferraz
-Long lost mettle potential. 3 Maanide diaring van M&S W2 20 146. (Eenkleinje purno) yJPS 25-145JPS 14-13

[illegible]

leider overleden / Maand afslag van MGS 10.5 17 02 Remmings: (N) Gedeimp by RGS 15.40

Blender Remark: Bill met mee besluying wel versterkt onder dulzweelings gaderen het Oubermiddele gewaand.

LOT 41
Name: JANSON WJ200318
Ident number: WJ 200318
Gender: VROULIK SP
Status: REG
Reg number: 0091005399
Date of birth: 30-DEC-20
DNE - Quarter: Verrill's Victory S
DNE - Quarter: Verrill's Victory S

Parents: JANSON WJ200318 (Sire) and JANSON WJ200318 (Dam)

Offspring: JANSON WJ200318 (Sire) and JANSON WJ200318 (Dam)

Table with 10 columns: Sire, Dam, Offspring, etc.

LOT 42
Name: JANSON WJ200318
Ident number: WJ 200318
Gender: FEMALE SP
Status: REG
Reg number: 0088016974
Date of birth: 08-AUG-18
DNE - Quarter: Verrill's Victory S
DNE - Quarter: Verrill's Victory S

Parents: JANSON WJ200318 (Sire) and JANSON WJ200318 (Dam)

Offspring: JANSON WJ200318 (Sire) and JANSON WJ200318 (Dam)

LOT 43
Name: JANSON WJ200318
Ident number: WJ 200318
Gender: VROULIK SP
Status: REG
Reg number: 0090673230
Date of birth: 11-OCT-20
DNE - Quarter: Verrill's Victory S
DNE - Quarter: Verrill's Victory S

Parents: JANSON WJ200318 (Sire) and JANSON WJ200318 (Dam)

Offspring: JANSON WJ200318 (Sire) and JANSON WJ200318 (Dam)

Table with 10 columns: Sire, Dam, Offspring, etc.

LOT 44
Name: JANSON WJ200318
Ident number: WJ 200318
Gender: MALE SP
Status: REG
Reg number: 0088016974
Date of birth: 12-NOV-18
DNE - Quarter: Verrill's Victory S
DNE - Quarter: Verrill's Victory S

Parents: JANSON WJ200318 (Sire) and JANSON WJ200318 (Dam)

Offspring: JANSON WJ200318 (Sire) and JANSON WJ200318 (Dam)

	Kali Gacah	Good	Moat	Vogelstrand	Kongepeng	Koch Wanda	Bui	Yeshonding	Front
Chs Di	Chs M	W M4	Chs	TG9	M Bg	Wanda	Str	GOV	SOV
TW	-11	-47	3	23	0	-28	-27	-27	
Adk	76	48	25	23	80	25	40	3	13
TW/d	105	113	84	90	100	114	93	82	
TW/d	111	94	90	112	*				

*Then Omping; 7. Wanda dijeng van di, and 11-40 (Omping) namon beloni by 413 15-45

Kull bar not a order. Wanda-g van Gendelap, h beloni, mab nani (ing gawir) wad.

[illegible]

	Half Genak	Genak	Male	Youngbird	Roosting	Mod. Wards	Bul	Verboeking	Inert.
	Gen. Dr.	Gen. M	W. Dr.	W. M.	Gen.	Wards	Gen.	Gen.	Gen.
WV	19	18	6.9	1.6	6.7	18.05	1.8		
AVA	74	44	33	27	43	20	18	15	19
WV ind	89	103	113	105	102	85	113	92	100
WV ind	73	113	35	88	110	100	88		
Year Chipping	=								

Kort aan het is ook de bevestiging van "Verboeking" is gezamenlijk met het jaar 1900

	Calving Ease Score	Calving Diff.	Milk Wt. lb	Feet/yr	1st Lact.	2nd Lact.	3rd Lact.	4th Lact.	5th Lact.	6th Lact.	7th Lact.	8th Lact.	9th Lact.	10th Lact.	11th Lact.	12th Lact.	13th Lact.	14th Lact.	15th Lact.	16th Lact.	17th Lact.	18th Lact.	19th Lact.	20th Lact.	21st Lact.	22nd Lact.	23rd Lact.	24th Lact.	25th Lact.	26th Lact.	27th Lact.	28th Lact.	29th Lact.	30th Lact.	31st Lact.	32nd Lact.	33rd Lact.	34th Lact.	35th Lact.	36th Lact.	37th Lact.	38th Lact.	39th Lact.	40th Lact.	41st Lact.	42nd Lact.	43rd Lact.	44th Lact.	45th Lact.	46th Lact.	47th Lact.	48th Lact.	49th Lact.	50th Lact.	51st Lact.	52nd Lact.	53rd Lact.	54th Lact.	55th Lact.	56th Lact.	57th Lact.	58th Lact.	59th Lact.	60th Lact.	61st Lact.	62nd Lact.	63rd Lact.	64th Lact.	65th Lact.	66th Lact.	67th Lact.	68th Lact.	69th Lact.	70th Lact.	71st Lact.	72nd Lact.	73rd Lact.	74th Lact.	75th Lact.	76th Lact.	77th Lact.	78th Lact.	79th Lact.	80th Lact.	81st Lact.	82nd Lact.	83rd Lact.	84th Lact.	85th Lact.	86th Lact.	87th Lact.	88th Lact.	89th Lact.	90th Lact.	91st Lact.	92nd Lact.	93rd Lact.	94th Lact.	95th Lact.	96th Lact.	97th Lact.	98th Lact.	99th Lact.	100th Lact.	101st Lact.	102nd Lact.	103rd Lact.	104th Lact.	105th Lact.	106th Lact.	107th Lact.	108th Lact.	109th Lact.	110th Lact.	111th Lact.	112th Lact.	113th Lact.	114th Lact.	115th Lact.	116th Lact.	117th Lact.	118th Lact.	119th Lact.	120th Lact.	121st Lact.	122nd Lact.	123rd Lact.	124th Lact.	125th Lact.	126th Lact.	127th Lact.	128th Lact.	129th Lact.	130th Lact.	131st Lact.	132nd Lact.	133rd Lact.	134th Lact.	135th Lact.	136th Lact.	137th Lact.	138th Lact.	139th Lact.	140th Lact.	141st Lact.	142nd Lact.	143rd Lact.	144th Lact.	145th Lact.	146th Lact.	147th Lact.	148th Lact.	149th Lact.	150th Lact.	151st Lact.	152nd Lact.	153rd Lact.	154th Lact.	155th Lact.	156th Lact.	157th Lact.	158th Lact.	159th Lact.	160th Lact.	161st Lact.	162nd Lact.	163rd Lact.	164th Lact.	165th Lact.	166th Lact.	167th Lact.	168th Lact.	169th Lact.	170th Lact.	171st Lact.	172nd Lact.	173rd Lact.	174th Lact.	175th Lact.	176th Lact.	177th Lact.	178th Lact.	179th Lact.	180th Lact.	181st Lact.	182nd Lact.	183rd Lact.	184th Lact.	185th Lact.	186th Lact.	187th Lact.	188th Lact.	189th Lact.	190th Lact.	191st Lact.	192nd Lact.	193rd Lact.	194th Lact.	195th Lact.	196th Lact.	197th Lact.	198th Lact.	199th Lact.	200th Lact.	201st Lact.	202nd Lact.	203rd Lact.	204th Lact.	205th Lact.	206th Lact.	207th Lact.	208th Lact.	209th Lact.	210th Lact.	211st Lact.	212nd Lact.	213rd Lact.	214th Lact.	215th Lact.	216th Lact.	217th Lact.	218th Lact.	219th Lact.	220th Lact.	221st Lact.	222nd Lact.	223rd Lact.	224th Lact.	225th Lact.	226th Lact.	227th Lact.	228th Lact.	229th Lact.	230th Lact.	231st Lact.	232nd Lact.	233rd Lact.	234th Lact.	235th Lact.	236th Lact.	237th Lact.	238th Lact.	239th Lact.	240th Lact.	241st Lact.	242nd Lact.	243rd Lact.	244th Lact.	245th Lact.	246th Lact.	247th Lact.	248th Lact.	249th Lact.	250th Lact.	251st Lact.	252nd Lact.	253rd Lact.	254th Lact.	255th Lact.	256th Lact.	257th Lact.	258th Lact.	259th Lact.	260th Lact.	261st Lact.	262nd Lact.	263rd Lact.	264th Lact.	265th Lact.	266th Lact.	267th Lact.	268th Lact.	269th Lact.	270th Lact.	271st Lact.	272nd Lact.	273rd Lact.	274th Lact.	275th Lact.	276th Lact.	277th Lact.	278th Lact.	279th Lact.	280th Lact.	281st Lact.	282nd Lact.	283rd Lact.	284th Lact.	285th Lact.	286th Lact.	287th Lact.	288th Lact.	289th Lact.	290th Lact.	291st Lact.	292nd Lact.	293rd Lact.	294th Lact.	295th Lact.	296th Lact.	297th Lact.	298th Lact.	299th Lact.	300th Lact.	301st Lact.	302nd Lact.	303rd Lact.	304th Lact.	305th Lact.	306th Lact.	307th Lact.	308th Lact.	309th Lact.	310th Lact.	311st Lact.	312nd Lact.	313rd Lact.	314th Lact.	315th Lact.	316th Lact.	317th Lact.	318th Lact.	319th Lact.
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