

Inet = 0,3\*kg lactose + 2,1\*kg vet + 4,1\*kg eiwit

NlVmelkdoel = 0,4\*Inet + 0,08\*lvd + 4,7\*UGH + 6,3\*VRU + 1,8\*Uier + 3,6\*Beenwerk + 1,8\*GEB + 2,7\*KGH + 0,23\*BVK

NlVdubbeldoel = 0,35\*Inet + 0,09\*lvd + 5,2\*UGH + 5,2\*VRU + 5,2\*Uier + 6\*Beenwerk + 2\*GEB + 5,2\* VLl

Perspublicatie stierindexen Zwartbont gemisch zonder dochters

April 2020

Ki Stiernummer	Stiernaam	Erf-fa Vader	M-vader	B N	Bt N	NVI +/-	dtaus	Rel	kgM	%V	%E	%L	kgV	kgP	kgL	INET	+/-	BVK Bt	Lvd	Ugh	Vru	Gin	Geb	KA	MS	Kgh	Bt	F	T	U	B	Ext			
Ai Bull number	Bull name	Her-fz Sire	MGs	S N	Rel	NVI +/-	dtaus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	\$FCF	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLWR	Rel	F	DS	U	F	L	T	
Melkdoel Zwart						pnt	Productie										€	€	Functioneel										Exterieur						
CRV NL 620605386	Delta Ribbon	Louxor	Jol	Gfw	62	+336	n	0	69	+1617	+0,00	+0,13	-0,03	+69	+70	+71	+453	n	+31	52	+766	108	105	102	102	104	97	103	71	100	100	105	99	102	
Tot DE 0540415190	Dg Dv Simax	Imax	Jedi	Gfw	62	+334	+3	0	68	+1731	+0,15	-0,05	-0,02	+89	+55	+77	+436	+31	+7	53	+775	105	105	108	102	102	102	99	104	71	103	104	109	100	106
CRV NL 695054560	Delta Craftsman	Benz	Topgear	IGfw	66	+326	n	0	75	+1578	+0,01	+0,10	+0,01	+68	+65	+73	+341	n	-19	52	+460	108	105	106	100	103	100	105	69	102	103	105	102	105	
CRV NL 916132992	Delta Nippon P	PO	Hotspot P	Bernell	Gfw	61	+325	n	0	66	+947	+0,11	+0,28	-0,07	+51	+60	+36	+364	n	-5	52	+698	104	109	109	106	103	103	104	69	101	102	113	104	110
DE 0667337098	Best Benz	Benz	Damaris	Gfw	61	+323	+59	0	66	+1976	-0,21	+0,01	+0,11	+61	+70	+102	+446	+58	+39	51	+665	103	105	106	102	103	104	103	69	95	100	108	101	103	
Mas DE 0540499486	Genesland Bellroy	Benz	Finder	Gfw	61	+321	+13	0	66	+1369	+0,02	+0,17	+0,09	+60	+65	+72	+414	+2	+2	52	+571	106	107	103	106	104	99	103	69	98	102	109	102	106	
Mas NL 588627231	Hul-Stein Crownmax	Imax	Profit	Gfw	63	+315	+24	0	68	+1592	+0,25	-0,01	-0,01	+94	+54	+72	+440	+39	+27	52	+658	104	103	104	101	99	99	105	71	98	102	108	102	105	
Tot DE 05406882571	Gen Rave	Ocd Franchise	Finder	Gfw	61	+315	n	0	66	+697	+0,52	+0,21	+0,01	+79	+44	+33	+356	n	-7	52	+594	108	108	107	105	102	99	103	69	98	105	108	101	105	
CRV NL 678449129	Delta Eloy	RF	Jacuzzi	Finder	Gfw	61	+313	n	0	66	+1163	+0,37	+0,11	+0,06	+86	+51	+59	+407	n	-10	53	+509	105	104	105	98	100	99	104	70	102	103	108	108	110
CRV BE 418630184	Delta Lawrence	Trust	Barley	Gfw	61	+312	n	0	66	+1465	-0,11	+0,09	+0,05	+51	+60	+72	+375	n	+45	52	+677	104	103	103	102	101	101	106	69	97	99	109	106	107	
US 3147118734	Genosource Captain-Et	Charl	Farnear Tango	IGfw	59	+309	n	0	69	+1892	+0,27	-0,04	+0,00	+109	+62	+86	+509	n	+51	43	+461	102	105	105	103	103	105	69	95	97	106	99	101		
CRV NL 658335550	Delta Trevor	Javino	Vh Stu	Gfw	61	+308	n	0	66	+1220	+0,22	+0,16	+0,06	+74	+59	+62	+416	n	+22	52	+567	104	106	102	102	98	97	104	70	100	97	103	104	103	
Tot NL 626251510	Dg Eagle	Imax	Montross	Gfw	63	+307	-1	0	68	+2165	+0,07	-0,05	-0,04	+100	+70	+94	+525	+30	+22	53	+474	102	105	105	101	104	97	101	71	100	101	105	98	102	
DK 260718	Tirsvad Hotspot Grand	Hotspot P	Sniper	IGfw	57	+307	n	0	64	+1256	-0,31	-0,04	+0,00	+22	+40	+57	+227	n	-11	44	+919	112	109	109	102	100	97	65	94	103	111	99	104		
DE 0540362468	Calvin	Casino	Finder	Gfw	61	+306	+7	0	66	+2150	-0,17	-0,03	+0,02	+72	+71	+100	+472	+0	+3	52	+550	102	103	104	108	101	103	105	70	97	100	105	104	104	
CRV NL 865710894	Midwolder Martin	Adorable	Penley	Gfw	64	+303	+10	0	68	+2144	-0,18	-0,05	-0,02	+71	+69	+96	+461	+8	-17	55	+591	104	102	103	97	105	103	105	71	100	104	108	103	106	
NL 566684562	Zandenburg Daley	Benz	Battlecry	IGfw	66	+301	+14	0	74	+979	-0,02	+0,12	-0,01	+40	+46	+44	+286	-4	-4	55	+849	110	107	105	104	97	98	74	96	102	107	102	104		
DE 0361838685	Rioaveso	Ocd Franchise	Bandares	IGfw	60	+300	n	0	68	+1504	+0,04	+0,01	-0,01	+68	+53	+68	+381	n	-14	46	+793	110	103	104	98	100	98	68	98	104	106	101	104		
Tot DE 0770497966	Nh Sunviev Mitch	Kerrigan	Balisto	Gfw	65	+299	-5	0	69	+1507	+0,36	+0,09	+0,07	+101	+62	+76	+489	+10	+21	56	+666	105	98	107	100	101	101	104	72	102	101	108	99	104	
GGI DE 0667146583	Hellmuth's Pik As	Pinterault	Hotshot	Gfw	61	+297	+5	0	66	+674	+0,46	+0,23	-0,09	+72	+45	+22	+342	+21	+5	52	+616	105	107	102	106	104	96	101	69	97	101	106	107	106	
CRV NL 665667174	Delta Floris	Empire	Reflector	Gfw	62	+297	+0	0	66	+699	+0,38	+0,10	+0,06	+66	+34	+38	+229	-4	-2	53	+730	103	104	107	109	104	100	106	71	103	102	111	110	112	
GGI DK 02468004935	Charles	Dg Charley	Silver	Gfw	65	+296	-4	0	69	+2064	-0,15	-0,11	+0,03	+71	+60	+97	+424	-1	+2	57	+569	104	103	106	102	107	103	104	72	101	104	108	102	106	
CRV NL 562602414	Delta Joskin P	RF PO	Handy P Rf	Silver	Gfw	63	+296	+5	0	66	+1442	-0,09	-0,02	+0,07	+52	+48	+73	+328	+28	-8	56	+697	104	105	107	100	104	105	107	71	98	105	112	102	108
CRV NL 743430180	Delta Bonjour	Sidekick	Guard	Gfw	65	+296	-15	0	69	+631	+0,14	+0,11	+0,04	+40	+32	+33	+225	-14	+17	56	+613	107	112	108	101	102	98	103	72	95	97	110	101	104	
GGI US 314232606	Scorpion	Pine-Tree Wild	Bandares	Gfw	58	+294	+16	0	66	+1311	+0,25	+0,14	+0,07	+81	+60	+67	+436	+9	-22	51	+572	101	104	106	97	105	103	102	69	102	103	110	104	108	
OBS DE 0360175040	Royce	Roxy B	Supershot	Gfw	64	+294	-2	0	69	+1690	-0,21	-0,11	+0,08	+50	+47	+86	+324	+39	+57	56	+698	106	106	105	107	104	100	101	70	91	97	114	98	103	
US 3205251413	S-S-I Bg Renegad Darnell-Et	Renegade	Rowdy	IGfw	51	+292	n	0	58	+2256	-0,06	-0,08	+0,00	+89	+70	+103	+505	n	-8	57	+529	104	104	104	95	100	63	99	101	103	98	100			
CRV NL 620605425	Delta Recording PP	PP	Hotspot P	Concert	Gfw	61	+292	n	0	66	+1481	+0,03	+0,23	+0,03	+66	+75	+71	+467	n	+24	52	+554	101	102	104	106	100	103	102	70	96	101	108	103	105
DE 0361525422	Benetton	Benz	Board	Gfw	60	+292	+11	0	66	+2361	-0,26	-0,13	+0,06	+71	+68	+115	+462	+25	+17	52	+620	104	102	101	101	104	101	101	69	97	98	110	100	104	
CRV BE 214053521	Delta Podcast	Simba	Laurent P Rf	Gfw	62	+292	-16	0	68	+1009	+0,30	+0,13	+0,03	+72	+48	+49	+363	-5	-22	53	+626	106	103	108	101	103	96	107	70	103	105	106	103	106	
US 3143986627	Siemers Bravefirefighter-Et	Timberlake	Siemers Trajec	IGfw	53	+291	n	0	61	+2197	-0,13	-0,01	+0,00	+79	+75	+100	+503	n	+9	37	+518	102	105	105	101	103	63	97	101	104	97	100			
US 3204988540	Terra-Calroy Kingbird-Et	Solution	Outlast	IGfw	51	+290	n	0	58	+1761	-0,10	-0,09	+0,00	+64	+52	+80	+372	n	-40	37	+716	109	104	109	102	103	63	101	105	105	100	104			
GGI DE 1504336100	Garett	Garick	Altaspring	Gfw	62	+290	-1	0	66	+2114	-0,44	-0,13	+0,01	+41	+59	+98	+357	+6	-1	52	+640	106	105	104	103	104	101	103	69	101	103	108	102	106	
CRV NL 565113832	Valder Starmaker	Adorable	Mobile	Gfw	63	+290	-14	0	68	+1108	+0,53	+0,27	-0,07	+52	+28	-1	+224	-13	-4	56	+590	108	109	108	101	107	97	106	72	96	103	107	104	105	
NL 547344399	K&I Sp Storm	RF	Spark Red	Finder	IGfw	65	+289	n	0	73	+2288	-0,15	-0,09	+0,00	+80	+70	+104	+486	n	+13	55	+528	105	103	101	104	102	98	74	100	102	105	99	102	
CRV NL 598753212	Lowlands Blessing	Jethro	Final	Gfw	62	+288	-16	0	67	+937	+0,26	+0,23	+0,06	+65	+55	+49	+377	-14	-5	54	+535	105	102	104	109	102	100	106	71	101	105	104	108	107	
GGI DE 05406																																			

Inet = 0,3\*kg lactose + 2,1\*kg vet + 4,1\*kg eiwit

NVI melkdoel = 0,4\*Inet + 0,08\*ivd + 4,7\*UGH + 6,3\*VRU + 1,8\*Uier + 3,6\*Beenwerk + 1,8\*GEB + 2,7\*KGH + 0,23\*BVK

NVI dubbeldoel = 0,35\*Inet + 0,09\*ivd + 5,2\*UGH + 5,2\*VRU + 5,2\*Uier + 6\*Beenwerk + 2\*GEB + 5,2\* VL1

**Perspublicatie stierindexen Zwartbont genomisch zonder dochters**

**April 2020**

Ki Stiernummer	Stiernaam	Erf-fa Vader	M-vader	B N	Bt N	NVI +/-	dtrs	Rel	kgM	%V	%E	%L	kgV	kgP	kgL	INET	+/-	BVK	Lvd	Ugh	Vru	Gin	Geb	KA	MS	Kgh	Bt	F	T	U	B	Ext			
Ai Bull number	Bull name	Her-fz Sire	MGs	S N	Rel	NVI +/-	dtaus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	\$FCR	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLWR	Rel	F	DS	U	F	L	T	
<b>Melkdoel Zwart</b>																	<b>Productie</b>		<b>Functioneel</b>										<b>Exterieur</b>						
																	€	€																	
Mas	NL 627328264	<b>Lato K&amp;I Cs Storm</b>	Casino	Finder	IGfw	66	+274	n	0	74	+1211	+0,43	+0,12	+0,00	+95	+54	+55	<b>+337</b>	n	+34	55	+518	103	104	106	107	103	101	74	97	99	102	99	<b>99</b>	
	NL 715952290	<b>Topstone</b>	Altatopshot	Rubicon	Gfw	64	+274	-2	0	68	+1736	-0,12	-0,08	+0,06	+61	+52	+86	<b>+467</b>	n	-13	55	+570	102	106	105	98	99	99	105	71	101	104	108	100	<b>105</b>
	DE 0540402386	<b>Gen Goodlife</b>	Gordon	Missouri	IGfw	61	+274	+18	0	69	+1339	-0,04	+0,01	+0,00	+55	+48	+61	<b>+326</b>	-24	+9	47	+687	109	105	105	104	102	99	71	97	101	106	98	<b>101</b>	
Mas	DE 0360044741	<b>Intercity</b>	Imax	Doorsopen	Gfw	63	+274	+18	0	68	+1796	-0,18	-0,22	+0,04	+57	+39	+86	<b>+305</b>	-32	-14	53	+604	107	105	104	103	102	101	103	71	102	104	111	102	<b>108</b>
CRV	NL 731719510	<b>Willem's-Hoeve Rapper</b>	Esperanto	Jetset	Gfw	63	+273	+3	0	66	+1557	+0,18	+0,01	+0,06	+85	+55	+77	<b>+427</b>	-11	-23	56	+376	105	101	105	103	104	101	105	71	102	105	108	103	<b>107</b>
CRV	NL 573352412	<b>Lowlands Trust</b>	Vh Stu	Vitesse	Gfw	65	+273	+1	0	69	+1717	-0,21	-0,05	+0,02	+51	+54	+80	<b>+353</b>	+1	+8	57	+570	106	102	103	102	99	97	102	72	102	101	106	106	<b>107</b>
	CA 13483268	<b>Peak Odometer</b>	Altacabot	Hurtgenlea Ydr	IGfw	50	+273	n	0	57	+1464	+0,08	-0,06	-0,01	+70	+45	+66	<b>+351</b>	n	+24	37	+543	104	106	108	104	103	103	62	92	101	107	100	<b>101</b>	
	DK 2066099	<b>Tirsvad Horspot Google</b>	Hotspot P	Sniper	IGfw	55	+273	n	0	63	+1202	-0,14	+0,01	-0,01	+37	+43	+54	<b>+270</b>	n	-20	43	+692	105	109	105	103	100	100	64	97	104	110	102	<b>106</b>	
	US 3151783891	<b>Welcome-Tel Heart 85635-Et</b>	Renegade	Frazzled	IGfw	50	+272	n	0	57	+1546	+0,09	-0,03	-0,01	+75	+51	+70	<b>+388</b>	n	-61	37	+577	106	105	103	97	103	62	103	104	109	101	<b>107</b>		
	US 3141657524	<b>Blumenfeld Frazld Basic-Et</b>	Frazzled	Altaspring	IGfw	60	+272	-5	0	70	+1958	-0,16	-0,21	+0,00	+66	+45	+89	<b>+350</b>	+0	-2	45	+692	109	103	103	99	102	100	71	98	102	108	99	<b>103</b>	
CRV	NL 710287748	<b>Delta Founder</b>	Nobel	Jupiter	Gfw	61	+272	n	0	66	+1749	-0,38	+0,00	-0,05	+34	+61	+75	<b>+344</b>	n	+9	52	+415	104	104	104	102	100	99	103	70	102	103	106	108	<b>108</b>
CRV	NL 668082914	<b>Zandenburg Virgil</b>	Accord	Reflector	Gfw	62	+272	+7	0	66	+614	+0,08	+0,21	+0,01	+34	+41	+29	<b>+248</b>	+0	-73	53	+606	108	107	107	103	102	97	104	70	100	104	104	<b>108</b>	
GGI	DE 0540130080	<b>Wilder Intro</b>	Imax	Jedi	Gfw	63	+271	+24	0	68	+1100	+0,31	+0,09	+0,04	+77	+47	+54	<b>+371</b>	+24	+0	53	+471	102	105	105	102	102	106	103	71	99	103	111	102	<b>107</b>
	US 3205436526	<b>Denovo 15729 Jonathan-Et</b>	Altacabot	Bandaes	IGfw	51	+271	n	0	58	+883	+0,53	+0,11	+0,00	+89	+41	+40	<b>+367</b>	n	-16	37	+679	108	102	108	103	103	103	63	100	103	105	100	<b>103</b>	
	US 3204164967		Crimson	Frazzled	IGfw	53	+271	n	0	61	+1638	-0,03	-0,07	-0,01	+66	+50	+74	<b>+366</b>	n	-13	37	+606	106	105	108	101	102	102	63	97	104	107	98	<b>102</b>	
CRV	NL 729539557	<b>Weelder Empire</b>	Bravo	G-Force	Gfw	69	+271	+1	0	69	+601	+0,47	+0,21	+0,03	+70	+41	+30	<b>+324</b>	+23	+20	61	+567	105	105	105	109	103	94	103	86	95	95	103	104	<b>101</b>
Tot	FR 1442242412	<b>Lieu Thomain Baltazar</b>	Dg Charley	Pepper	Gfw	65	+271	-9	0	69	+1268	+0,02	-0,04	+0,06	+56	+40	+64	<b>+301</b>	-11	+20	57	+516	108	104	108	102	100	97	103	72	92	99	105	103	<b>102</b>
CRV	US 3200824479	<b>Peak Shawarma</b>	Milktime	Jedi	Gfw	58	+270	-7	0	66	+2610	-0,26	-0,16	+0,01	+81	+72	+120	<b>+501</b>	+12	-39	52	+522	104	103	105	102	102	99	99	69	102	102	98	99	<b>99</b>
	US 3204456993		Renegade	Dg Charley	IGfw	50	+270	n	0	57	+1627	+0,10	-0,08	+0,00	+79	+48	+74	<b>+385</b>	n	-30	37	+587	103	105	106	97	103	103	62	104	103	107	102	<b>106</b>	
	DE 0361701364		Casino	Hotshot	IGfw	54	+270	n	0	61	+1412	-0,01	-0,01	+0,00	+59	+48	+64	<b>+340</b>	n	+57	40	+552	107	105	107	104	102	102	66	93	97	102	99	<b>98</b>	
CRV	NL 946221484	<b>Delta Treasure</b>	Finder	G-Force	IGfw	72	+270	-4	0	78	+576	+0,03	-0,04	+0,05	+27	+16	+31	<b>+132</b>	-46	-8	59	+568	111	110	109	106	100	101	101	72	98	102	112	105	<b>109</b>
GGI	DE 1603891478	<b>German Boy</b>	Gymnast	Silver	Gfw	63	+269	-4	0	68	+2363	+0,05	-0,11	+0,04	+106	+70	+112	<b>+543</b>	+7	-19	53	+323	101	99	105	100	102	101	101	71	103	104	107	102	<b>106</b>
Mas	DE 0953061754	<b>Gigantix</b>	Gymnast	Livermore	Gfw	63	+269	+4	0	68	+1945	-0,05	-0,04	+0,00	+77	+63	+89	<b>+447</b>	+8	-4	52	+516	103	99	106	100	101	104	101	71	101	102	110	103	<b>107</b>
CRV	NL 899486563	<b>Midwolder Movement</b>	Regard	Trigger	Gfw	68	+269	+7	0	69	+2251	-0,22	-0,16	+0,05	+71	+61	+108	<b>+432</b>	+2	+6	61	+527	104	100	105	98	103	105	104	85	104	102	100	104	<b>104</b>
CRV	NL 884786706	<b>Delta Yes</b>	Ranger	Maliki	Gfw	62	+269	+9	0	66	+1602	+0,04	-0,05	+0,03	+72	+51	+76	<b>+383</b>	+2	-12	54	+334	103	104	98	101	97	97	104	70	106	104	111	107	<b>112</b>
Mas	DE 0954382841	<b>Benwick</b>	Benz	Supershot	Gfw	62	+269	-6	0	66	+1740	-0,27	-0,01	+0,08	+45	+60	+88	<b>+367</b>	-8	+26	52	+503	104	105	106	101	105	103	101	69	102	102	111	98	<b>106</b>
	DE 0539391998	<b>Cashpoint</b>	View-Home Ca	Balisto	IGfw	69	+269	-2	0	77	+724	+0,46	+0,21	+0,00	+75	+45	+33	<b>+352</b>	-20	+39	56	+697	107	102	102	104	103	103	102	71	98	100	107	99	<b>103</b>
	US 3146617798	<b>Delicious Charl Mixer-Et</b>	Charl	Jedi	IGfw	52	+269	n	0	59	+1023	+0,09	+0,02	-0,01	+52	+38	+46	<b>+279</b>	n	+20	39	+699	107	107	106	101	101	102	64	99	101	109	98	<b>104</b>	
CRV	NL 965020507	<b>Willem's-Hoeve Woody</b>	Renegade	Jetset	Gfw	62	+268	-19	0	66	+1770	+0,11	+0,02	+0,08	+87	+64	+89	<b>+472</b>	-13	-13	53	+468	106	96	102	100	101	99	104	70	105	103	109	103	<b>108</b>
	US 3205611021	<b>Definite</b>	Renegade	Imax	IGfw	50	+268	n	0	57	+1729	+0,11	+0,01	-0,01	+85	+61	+78	<b>+452</b>	n	-57	37	+480	102	106	102	99	102	102	62	104	104	106	100	<b>105</b>	
CRV	NL 598218711	<b>De Vreandt Jingle</b>	Reloader	Paragon	IGfw	64	+268	n	0	72	+1504	+0,08	+0,02	+0,10	+72	+54	+79	<b>+393</b>	n	-18	58	+606	104	101	105	101	101	98	104	76	103	104	104	104	<b>106</b>
	US 3205436481		Altacabot	Altatopshot	IGfw	52	+268	n	0	59	+1138	+0,27	+0,06	-0,01	+75	+46	+51	<b>+361</b>	n	-26	38	+598	106	104	108	105	100	104	63	99	104	108	100	<b>105</b>	
Alt	US 3147224052	<b>Peak Altaeap</b>	Quantum	Altaspring	IGfw	54	+268	+8	0	62	+969	+0,13	+0,17	+0,00	+54	+50	+44	<b>+332</b>	+7	-19	40	+670	109	105	104	100	100	100	66	99	104	109	97	<b>103</b>	
	DK 260967	<b>Tirsvad Hotspot Great</b>	Hotspot P	Sniper	IGfw	56	+268	n	0	62	+1380	-0,19	+0,01	+0,00	+39	+49	+63	<b>+302</b>	n	-21	44	+730	109	105	106	105	102	100	65	96	102	109	98	<b>103</b>	
	US 3200059944	<b>Melarry Ssi Rengf Forbes-Et</b>	Renegade	Frazzled	IGfw	50	+267	n	0	57	+162																								

Inet = 0,3\*kg lactose + 2,1\*kg vet + 4,1\*kg eiwit

NVI melkdoel = 0,4\*Inet + 0,08\*ivd + 4,7\*UGH + 6,3\*VRU + 1,8\*Uier + 3,6\*Beenwerk + 1,8\*GEB + 2,7\*KGH + 0,23\*BVK

NVI dubbeldoel = 0,35\*Inet + 0,09\*ivd + 5,2\*UGH + 5,2\*VRU + 5,2\*Uier + 6\*Beenwerk + 2\*GEB + 5,2\* VLI

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Ki Stiernummer	Stiernaam	Erf-fa Vader	M-vader	B N	Bt N	NVI +/-	dtrs	Rel	kgM	%V	%E	%L	kgV	kgE	kgL	INET	+/-	BVK Bt	Lvd	Ugh	Vru	Gen	Geb	KA	MS	Kgh	Bt	F	T	U	B	Ext						
Ai Bull number	Bull name	Her-fz Sire	MGS	S N	Rel	NVI +/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCRel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLWR	Rel	F	DS	U	F	L						
Melkdoel Zwart						pnt	Productie										€		Functioneel										Exterieur									
CRV	NL 648817776	Tirsvad Natan	Adagio-P	Doorsopen	GfW	64	+264	-11	0	69	+1909	-0,16	-0,06	+0,02	+64	+60	+89	+407	-7	+4	55	+339	103	104	104	97	103	99	102	72	102	103	110	101	107			
	US 3206205233	S-S-I Rengade Improbable-Et	Renegade	T-Spruce Profit	IGfW	50	+264	n	0	57	+1407	+0,15	+0,00	+0,00	+65	+49	+64	+378	n	-31	36	+522	105	105	102	98	103		62	103	102	111	100	107				
GGI	DE 0122835701	Sagun	Sharpe	Bolaro	GfW	63	+264	-11	0	68	+1172	+0,25	+0,02	+0,05	+75	+49	+59	+376	+15	+48	52	+480	101	105	103	98	104	100	99	71	96	101	112	101	106			
	US 3206709170	Kahlua	Kenobi	Medley	IGfW	51	+264	n	0	58	+1404	+0,09	+0,02	+0,00	+69	+51	+64	+373	n	+16	38	+615	106	104	106	106	98		63	97	102	109	95	102				
K&L	DK 01054403121	Vh Bosman Bahrain	Vh Bosman	Vh Service Ser	GfW	65	+264	-1	0	69	+1000	+0,14	+0,24	-0,08	+56	+58	+38	+367	-8	+33	56	+426	103	105	103	103	101	100	101	71	90	96	104	104	101			
CRV	NL 652767120	Delta Esteem	Lendor	Finder	GfW	61	+264	+4	0	66	+78	+0,79	+0,36	-0,05	+74	+35	-1	+299	+23	+7	52	+643	104	102	102	96	102	98	107	70	103	99	109	106	109			
CRV	NL 888475752	Delta Claas	Lunar	Concert	GfW	62	+264	n	0	67	+691	+0,26	+0,19	-0,01	+54	+42	+31	+295	n	+11	53	+638	103	103	105	104	103	99	104	70	102	102	106	108	108			
	DE 0361214577	Weh Hogan	Hotspot P	Eclair	IGfW	60	+264	n	0	68	+550	+0,27	+0,16	+0,00	+49	+34	+25	+250	n	-2	46	+771	113	102	102	100	104	98		69	91	103	112	101	105			
	FR 2213517149	Palma P	Keith	Locean	IGfW	54	+264	n	0	62	+1443	-0,33	-0,09	-0,01	+27	+41	+65	+240	n	-21	42	+893	112	102	101	92	104	98		64	101	103	110	103	108			
	DE 0361229595	Vh Yngvar	Yoda	Dozer	IGfW	59	+264	+29	0	66	+471	+0,40	+0,05	-0,01	+57	+21	+21	+212	-42	+16	46	+770	110	104	107	103	102	104		68	97	103	114	101	108			
Mas	US 3148929305	Savant	Kenobi	Rubicon	GfW	58	+263	-11	0	66	+1924	-0,02	-0,01	+0,02	+79	+66	+90	+464	-6	+21	52	+285	100	106	108	102	105	103	97	70	98	102	105	99	102			
Adv	NL 943741794	Ground Lake Invictus Supply	Imax	Supershot	GfW	63	+263	+2	0	68	+2143	-0,17	-0,08	+0,02	+72	+66	+100	+452	+18	+4	53	+454	102	102	103	100	102	99	101	71	102	102	110	99	106			
	US 3205703985	Jansje's Stantons Adorable	Mr Dynasty Nar	Medley	IGfW	50	+263	n	0	57	+1466	+0,16	-0,01	-0,01	+79	+50	+66	+391	n	-23	36	+580	102	106	107	103	102		62	97	104	103	100	101				
	NL 625041927	St Gen Noble Dubai-Et	Adorable	Baltikum	IGfW	67	+263	+6	0	74	+1656	-0,08	-0,03	-0,01	+62	+54	+75	+374	-10	-37	58	+486	108	103	101	98	101	99		77	103	104	108	103	107			
	CA 1346616169	St Gen Noble Dubai-Et	Noble	Mr Day Dearing	IGfW	53	+263	-5	0	61	+1347	+0,04	-0,01	-0,01	+61	+46	+61	+335	+7	-4	39	+613	104	107	107	102	102		63	98	102	109	97	103				
Sem	CA 12857690	Pine-Tree-I Pursuit	Imax	Profit	IGfW	60	+263	-21	0	70	+1273	-0,01	-0,07	+0,00	+53	+37	+58	+280	-20	-31	45	+749	107	105	107	106	106		71	103	104	108	102	107				
	DE 0540269178	Holder P	Hotspot P	Kerrigan	IGfW	61	+263	+22	0	69	+679	+0,15	+0,10	+0,00	+43	+33	+31	+235	+2	-3	47	+810	109	106	107	102	104	99		69	97	102	113	97	105			
	US 3205428537	S-S-I Rengade Rashaan-Et	Renegade	Achiever	IGfW	50	+262	n	0	57	+1684	+0,27	-0,05	-0,01	+100	+53	+76	+450	n	-22	37	+470	102	103	104	96	103		62	104	103	106	101	105				
	US 3200059869	Melarry Ssi Franklin-Et	Cookiecutter Lz	Frazzled	IGfW	53	+262	n	0	61	+1505	+0,24	-0,02	-0,01	+89	+50	+68	+412	n	+36	37	+557	105	103	106	98	100		63	92	98	107	94	98				
	US 3143986643	Siemars Roletz-Et	Altazarek	Frazzled	IGfW	53	+262	n	0	61	+1325	+0,21	-0,01	-0,01	+78	+45	+60	+366	n	-31	37	+567	105	104	107	103	102		63	99	105	109	100	105				
	NL 685695366	Peak Altazarek-Et	Altatopshot	Rubicon	IGfW	56	+262	+13	0	65	+1570	+0,00	-0,05	-0,01	+67	+49	+71	+313	+20	-15	42	+618	106	103	104	103	102	102		67	97	104	109	100	104			
STG	US 3146616313	St Gen Noble Diner	Noble	Mr Mogul Delta	IGfW	54	+262	+4	0	62	+1070	+0,23	+0,01	-0,01	+68	+38	+48	+313	+16	+23	39	+724	109	105	105	106	100		64	94	102	105	95	99				
	CA 12719098	Progenesis Maurice	Eugenio	Profit	IGfW	56	+262	+10	0	64	+1562	-0,11	-0,13	+0,00	+55	+41	+71	+305	+18	+23	43	+572	106	105	107	104	106	104		67	97	100	111	99	104			
	DE 0361230613	Roman	Royce	Finder	IGfW	61	+262	+0	0	69	+1319	-0,14	-0,03	+0,00	+42	+43	+60	+283	+37	+16	47	+505	105	104	107	103	108	104		69	98	98	112	106	109			
	CA 13353905	Progenesis Beaujolais	Altaexplosion	Guarantee	IGfW	53	+262	n	0	61	+529	+0,45	+0,13	+0,00	+65	+31	+24	+271	n	-4	37	+702	107	107	110	105	100		63	98	102	106	98	102				
	NL 699059134	Hul-Strein Ferm	Imax	Jedi	IGfW	66	+261	+71	0	75	+2558	-0,17	-0,09	-0,01	+89	+79	+116	+546	+94	-8	55	+409	98	102	104	101	106	104		74	102	102	105	98	102			
OBS	DE 0360385508	Superhem	Superhero	Missouri	GfW	65	+261	+9	0	69	+2787	-0,40	-0,15	+0,09	+72	+80	+138	+521	+15	+3	56	+347	102	103	104	96	104	100	99	72	101	105	101	97	100			
	US 3150997170	Delta Mcnulty Rf	De-Su Frazz Tz	Flagship	IGfW	52	+261	n	0	59	+1941	-0,04	-0,08	-0,01	+78	+59	+88	+432	n	+20	37	+434	104	103	107	103	106		63	97	100	105	97	100				
CRV	NL 670583621	Preston Ssi 5715 Zizzle-Et	RF	Skippy	Bram Rf	GfW	58	+261	n	0	66	+1706	-0,02	+0,03	+0,04	+70	+63	+82	+430	n	-52	53	+569	105	99	103	102	105		70	102	105	105	103	106			
	US 3150457501	Melarry Frazzle Stamdunk			IGfW	53	+261	n	0	61	+1171	+0,34	+0,02	+0,00	+84	+43	+53	+369	n	+8	37	+539	106	103	106	99	101		63	99	102	106	100	103				
Mas	DE 0540402381	Genesland Gordon	Gordon	Missouri	GfW	62	+261	+3	0	66	+1330	+0,02	+0,07	-0,03	+58	+53	+58	+357	+8	+4	52	+549	103	104	106	104	106	97	102	70	100	103	106	102	105			
CRV	NL 620478904	Creijland Tunion	Accord	Danno	GfW	62	+261	+2	0	66	+732	+0,33	+0,18	-0,03	+63	+43	+31	+318	+20	-4	54	+521	105	102	107	110	98	97	107	70	101	103	102	106	105			
CRV	NL 19787292	Helix Prominent	Treasure	Laurent P Rf	GfW	61	+261	-7	0	66	+1007	+0,04	+0,09	+0,01	+47	+44	+47	+293	-17	-33	53	+459	105	106	110	106	103	99	105	70	102	105	104	104	106			
	DE 0123058567	Has Jackson	Jameson	Penley	IGfW	61	+261	+24	0	69	+1242	-0,08	+0,00	-0,01	+45	+43	+56	+288	-12	-28	47	+683	110	102	105	102	102	100		69	102	102	112	102	108			
GGI	DE 0539675034	Hotspot P	Superhero	Powerball P	GfW	65	+260	+15	0	69	+1136	+0,15	+0,23	+0,07	+63	+62	+59	+404	+18	+34	56	+418	100	105	106	104	107	102		72	97	100	111	97	103			
WWS	US 3141562808	Melarry Frazzled Fyi	Frazzled	Balisto	IGfW	56	+260	+1	0	65	+1272	+0,12	+0,02	+0,00	+66	+46	+58	+345	-7	-14	40	+647	111	102														

Inet = 0,3\*kg lactose + 2,1\*kg vet + 4,1\*kg eiwit

NVI melkdoel = 0,4\*Inet + 0,08\*ivd + 4,7\*UGH + 6,3\*VRU + 1,8\*Uier + 3,6\*Beenwerk + 1,8\*GEB + 2,7\*KGH + 0,23\*BVK

NVI dubbeldoel = 0,35\*Inet + 0,09\*ivd + 5,2\*UGH + 5,2\*VRU + 5,2\*Uier + 6\*Beenwerk + 2\*GEB + 5,2\* VLI

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Ki Stiernummer	Stiernaam	Erf-fa Vader	M-vader	B N	Bt N	NVI +/-	dtrs	Bt Rel	kgM	%V	%E	%L	kgV	kgE	kgL	INET +/-	BVK Bt	Lvd	Ugh	Vru	Gin	Geb	KA	MS	Kgh	Bt F	T U	B L	Ext					
Ai Bull number	Bull name	Her-fz Sire	MGS	S N	Rel	NVI +/-	dous	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET +/-	SFCRel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLWR	Rel F	DS U	F B	T					
Melkdoel Zwart		Productie															Functioneel					Exterieur												
		€															€																	
US 3200825135		Altaexplosion	Frazzled	IGfw	51	+257	n	0	58	+1266	+0,18	+0,02	-0,01	+72	+46	+57	+357	n	-12	37	+555	105	105	109	102	104	63	99	103	107	97	102		
US 3204988610	Khalil	Kenobi	Frazzled	IGfw	53	+257	n	0	60	+1227	+0,17	+0,03	+0,00	+69	+46	+56	+350	n	-3	38	+647	108	104	107	103	106	64	99	104	105	95	100		
CA 13353569	Progenesis Manhattan	Positive	Guarantee	IGfw	53	+257	-13	0	61	+1323	+0,19	-0,04	+0,00	+75	+42	+60	+348	-43	-31	37	+675	107	104	105	102	101	63	106	105	108	97	105		
DE 00081670147	Kerross	Kerrigan	Montross	Gfw	62	+257	-11	0	69	+1402	-0,02	+0,00	+0,07	+57	+49	+71	+342	-17	-10	56	+735	104	104	104	97	101	97	102	72	99	102	110	97	104
FR 4974973537	Platon	Keith	James Bond	IGfw	55	+257	n	0	63	+1363	-0,09	+0,03	+0,00	+49	+50	+62	+327	n	-36	43	+627	109	101	107	102	105	101	64	105	104	109	102	108	
IT 36990580805	Passini Reddington Cd	Quantum	Battlecry	IGfw	47	+257	+0	0	53	+1039	+0,14	+0,09	+0,00	+58	+45	+47	+320	+11	-11	35	+642	108	105	101	101	101	55	99	102	106	100	103		
GGI NL 597646670	K&I Gn Boudy	Gymnast	Rubicon	Gfw	63	+257	-8	0	68	+981	+0,21	+0,09	-0,05	+62	+43	+40	+319	-17	-4	53	+499	105	104	107	95	103	98	100	71	102	103	109	103	107
DE 0540239293	Otorino	Hotspot P	Battlecry	IGfw	60	+257	n	0	68	+923	+0,10	+0,13	+0,00	+49	+45	+42	+300	n	-13	47	+615	106	105	104	102	100	101	69	98	102	111	101	106	
US 3205436019		Timberlake	Altarobson	IGfw	51	+257	n	0	58	+775	+0,19	+0,18	+0,00	+51	+44	+35	+298	n	-43	37	+674	104	107	106	102	103	63	98	105	111	100	106		
DE 0540259057	Predator	Pharo	Missouri	IGfw	61	+257	+36	0	69	+584	+0,38	+0,17	-0,01	+61	+36	+26	+284	+4	+7	48	+703	111	102	102	99	100	99	72	98	100	114	98	106	
NL 613944582	Delta Longbow	Barrage	Rafter P Rf	Gfw	62	+256	-18	0	66	+1403	+0,19	+0,17	-0,04	+79	+66	+60	+455	+3	-22	53	+496	104	100	101	101	98	101	107	70	100	103	100	100	100
US 3204165516	Denovo 16278 Kinetic-Et	Kenobi	Achiever	IGfw	53	+256	n	0	61	+1958	-0,15	-0,07	+0,00	+67	+61	+89	+418	n	-25	38	+572	107	102	104	100	99	63	100	104	108	95	102		
ABS US 3150307021	Bomaz Fynn	Frazzled	Rubicon	IGfw	54	+256	-32	0	62	+1443	+0,30	-0,04	-0,01	+92	+46	+65	+401	-15	+9	39	+472	105	102	108	100	99	65	97	103	103	100	101		
DE 0361840681	Vh Lerche	Lightstar	Penley	IGfw	57	+256	n	0	63	+1636	+0,01	-0,03	-0,01	+70	+54	+74	+391	n	-11	44	+519	104	105	103	98	101	99	65	100	101	105	99	102	
NL 734345503	K&I Poppe Goal	Adorable	Cinema	IGfw	67	+256	-17	0	74	+1845	-0,16	-0,12	+0,00	+61	+51	+84	+362	-22	-37	58	+544	106	101	103	98	102	103	77	99	103	114	103	109	
CRV NL 573364710	Delta Skippy	Paragon	Vitesse	Gfw	65	+256	+3	0	69	+473	+0,63	+0,28	-0,09	+79	+43	+13	+346	+2	-30	58	+422	106	104	102	99	98	99	105	72	105	103	109	101	107
CRV NL 879587024	Vlagberg Drost	Louxor	Regard	Gfw	63	+256	+1	0	68	+959	+0,22	+0,13	-0,07	+62	+46	+37	+330	-2	+25	52	+624	106	101	99	101	103	96	106	71	102	101	109	101	106
US 3205436548		Altacabot	Frazzled	IGfw	51	+256	n	0	58	+759	+0,44	+0,10	-0,01	+74	+36	+34	+313	n	-7	37	+657	109	104	105	102	97	63	99	102	104	99	102		
DK 260968	Tirsvad Review Nice	Review	Battlecry	IGfw	57	+256	n	0	64	+1650	-0,30	-0,13	+0,00	+38	+44	+75	+283	n	-26	46	+713	111	102	102	96	100	97	66	104	103	109	102	107	
FR 7936613922	Powell	Hardrock	Hotshot	IGfw	55	+256	n	0	63	+1178	+0,00	-0,13	-0,01	+50	+28	+53	+236	n	-5	43	+545	107	108	107	98	104	104	64	96	103	109	102	105	
CRV US 3145229850	Peak Lukaku	Eldorado	Rubicon	Gfw	61	+255	-2	0	69	+1763	+0,09	-0,20	+0,06	+84	+40	+87	+367	+6	+5	55	+429	104	104	107	108	103	98	98	70	98	103	108	102	105
US 3205436794		Timberlake	Altarobson	IGfw	51	+255	n	0	58	+1650	-0,13	-0,11	+0,00	+56	+46	+75	+329	n	-30	37	+681	106	103	106	103	104	63	101	105	112	99	107		
DE 0540695931	Hardy	Hagar	Legendary	IGfw	59	+255	n	0	67	+628	+0,50	+0,16	-0,01	+74	+37	+28	+316	n	+14	45	+679	101	106	105	104	104	105	68	93	98	113	99	104	
OBS DE 0360208954	Felix	S-S-1 1stclas F	Montross	Gfw	64	+255	+6	0	69	+1084	+0,15	+0,03	+0,03	+61	+41	+52	+212	+13	-12	53	+427	105	106	107	103	106	100	71	99	102	112	101	107	
NL 682613808	Koepion Raptor	Altalawson	Altatophot	IGfw	54	+255	n	0	61	+278	+0,69	+0,23	-0,01	+75	+31	+12	+388	n	-1	39	+659	103	107	108	107	104	65	97	102	108	100	104		
DE 0361395670	Yukon	Yoda	Superhero	IGfw	61	+255	n	0	69	+1291	-0,03	-0,09	-0,01	+52	+36	+58	+274	n	+4	47	+681	109	105	105	97	103	100	71	95	103	110	97	103	
DE 0667199756	Quantin	Quantum	Baltikum	Gfw	63	+254	+19	0	67	+1274	+0,09	+0,20	-0,05	+63	+65	+53	+415	+15	-71	53	+463	103	104	104	102	105	96	101	70	102	104	108	101	106
DE 0361239976	Tnp Canetti	Casino	Kerrigan	IGfw	58	+254	n	0	68	+1962	-0,10	-0,16	-0,01	+72	+51	+89	+387	n	+10	44	+515	104	101	102	95	105	104	67	99	101	115	100	108	
CA 12652589	Stantons Vh Alberta Et	Adorable	Mr Mogul Delta	Gfw	61	+254	-29	0	68	+1327	+0,12	+0,06	-0,05	+68	+52	+56	+373	-14	+1	55	+560	104	104	108	104	109	106	103	71	102	103	104	96	101
US 3139112660		Riveting	Imax	IGfw	52	+254	n	0	59	+1341	+0,30	-0,08	+0,00	+87	+39	+61	+361	n	-7	37	+510	106	101	104	97	107	64	102	102	112	102	108		
CRV NL 883539231	Delta Fisherman	Accord	Missouri	Gfw	62	+254	+6	0	66	+748	+0,34	+0,26	-0,10	+64	+51	+25	+351	+6	-28	53	+492	106	101	104	107	103	103	70	98	104	107	105	106	
CA 12719163	Progenesis Charley Peter	Dg Charley	Silver	Gfw	65	+254	+11	0	69	+2015	-0,45	-0,14	+0,06	+37	+55	+98	+333	+14	-16	57	+496	102	105	105	101	104	103	103	72	100	103	109	103	107
CA 111351937	Helarent Piccolo	Soundcloud	Imax	IGfw	53	+254	n	0	61	+1431	+0,06	-0,08	+0,00	+67	+42	+65	+332	n	+13	37	+577	104	105	105	102	102	63	97	102	107	100	103		
CA 111351936	Helarent Piccchio	Soundcloud	Imax	IGfw	53	+254	n	0	61	+1432	+0,06	-0,08	+0,00	+67	+42	+65	+332	n	+13	37	+577	104	105	105	102	102	63	97	102	107	100	103		
DE 0360848342	Saveli	Sharpe	Missouri	Gfw	63	+253	-16	0	68	+1945	+0,10	+0,00	+0,01	+93	+68	+90	+501	+10	+56	53	+361	99	98	101	99	101	71	99	100	109	102	106		
US 3146639498	Adaway Rio 2183-Et	Ocd Franchise	Helix	IGfw	59	+253	n	0	67	+2780	-0,50	-0,22	-0,01	+66	+71	+126	+451	n	-52	46	+386	102	103	111	106	103	100	68	101	104	106	98	103	
WWS US 3142352961	S-S-I Pr Renegade	Jaltaoak	Millington	IGfw	54	+253	+18	0	62	+1494	+0,22	+0,07	+0,00	+86	+59	+68	+443	+35	-33	39	+346	101	105	103	100	102	65	103	103	106	101	105		
Mas NL 872871665	Summerlake	Dg Charley	Balisto	Gfw	65	+253	+14	0	69	+1																								

Inet = 0,3\*kg lactose + 2,1\*kg vet + 4,1\*kg eiwit

NVI melkdoel = 0,4\*Inet + 0,08\*ivd + 4,7\*UGH + 6,3\*VRU + 1,8\*Uier + 3,6\*Beenwerk + 1,8\*GEB + 2,7\*KGH + 0,23\*BVK

NVI dubbeldoel = 0,35\*Inet + 0,09\*ivd + 5,2\*UGH + 5,2\*VRU + 5,2\*Uier + 6\*Beenwerk + 2\*GEB + 5,2\* VLI

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Ki	Stiernummer	Stiernaam	Erf-fa	Vader	M-vader	B	N	Bt	NVI	+/-	dtrs	Bt	kgM	%V	%E	%L	kgV	kgE	kgL	INET	+/-	BVK	Bt	Lvd	Ugh	Vru	Gin	Geb	KA	MS	Kgh	Bt	F	T	U	B	Ext
Ai	Bull number	Bull name	Her-fz	Sire	MGs	S	N	Rel	NVI	+/-	dtaus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	\$FCN	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLWR	Rel	F	DS	U	F&L	T
										pnt	Productie										€					Functioneel					Exterieur						
Mas	DE 0360558209	<b>Greatbont</b>		Gymnast	Balisto	GfW		63	+251	-4	0	68	+1564	-0,04	+0,02	-0,05	+62	+57	+66	<b>+384</b>	-4	-32	53	+545	102	104	106	105	106	100	102	71	96	101	108	99	<b>103</b>
	CA 12773216	<b>Silverridge V Timberlake</b>		Imax	Supershot	IGfW		56	+251	-16	0	65	+2152	-0,35	+0,15	+0,00	+53	+58	+98	<b>+379</b>	-5	-20	41	+620	104	103	105	102	104	100	102	67	101	105	110	97	<b>105</b>
	US 3145627259	<b>Denovo 14585 Outlay-Et</b>		Quantum	Mr Mogul Delta	IGfW		54	+251	+7	0	62	+1264	+0,11	+0,08	-0,01	+65	+52	+57	<b>+367</b>	+7	+4	39	+475	105	104	105	98	102	100	102	64	99	101	108	98	<b>103</b>
	US 3200059830	<b>Melarry Ssi Husky Finley-Et</b>		Cookiecutter L	Frazzled	IGfW		53	+251	n	0	61	+1839	-0,08	-0,02	-0,01	+69	+41	+83	<b>+338</b>	n	+20	37	+687	107	104	105	99	102	100	102	63	95	100	108	93	<b>99</b>
	US 3151790865	<b>Penn-England Scorer</b>		Solution	Lc	IGfW		59	+251	-33	0	68	+1252	+0,08	-0,02	+0,00	+61	+42	+57	<b>+317</b>	-94	-11	45	+632	106	103	108	100	101	102	67	98	104	108	100	<b>104</b>	
CRV	NL 662437877	<b>Delta Barrage</b>		Final	Maik	GfW		67	+251	-8	0	69	+1819	-0,31	-0,17	+0,00	+44	+45	+83	<b>+302</b>	+2	-33	60	+464	106	105	104	103	100	93	104	82	100	102	101	106	<b>104</b>
CRV	NL 586848551	<b>Delta Leverage</b>		Inductor	Bravo	IGfW		68	+251	+70	0	75	+193	+0,72	+0,28	-0,02	+73	+32	+7	<b>+287</b>	-7	+3	55	+638	104	102	105	107	105	99	103	71	97	100	108	106	<b>107</b>
	UK 70604260437	<b>Denovo Invictus A2a2 Bif By</b>		Achiever	Supershot	IGfW		54	+251	-13	0	63	+796	+0,30	+0,05	+0,00	+63	+33	+36	<b>+278</b>	-10	+34	39	+618	104	107	106	100	102	100	102	66	94	99	107	99	<b>101</b>
	US 3201859129	<b>Ocd Dutyfree-Et</b>		Challenger	Bandares	IGfW		49	+251	+5	0	57	+742	+0,25	+0,03	-0,01	+55	+29	+33	<b>+244</b>	+6	+7	33	+744	109	106	100	103	103	100	102	54	96	102	111	98	<b>104</b>
K&L	DK 03200303904	<b>Vh River Ramsey</b>		Vh River	Penley	GfW		63	+251	-18	0	68	+911	-0,03	+0,05	+0,06	+36	+37	+47	<b>+241</b>	-19	+24	52	+598	104	107	104	105	102	98	103	71	103	102	105	104	<b>106</b>
	DE 0361628088	<b>Hfp Camper</b>		Casino	Finder	IGfW		60	+251	-7	0	68	+1264	-0,25	-0,11	-0,01	+28	+33	+57	<b>+211</b>	-56	+1	47	+832	107	104	108	103	104	101	101	69	95	100	111	102	<b>105</b>
CRV	NL 685665840	<b>Delta Joy</b>		Jol	Bolt Rf	GfW		65	+250	-1	0	69	+1703	-0,18	-0,18	-0,02	+53	+78	+76	<b>+454</b>	+6	+1	56	+395	104	98	102	100	103	100	102	72	99	100	104	104	<b>104</b>
	US 3150910903	<b>Lars-Acres Sitr Exrated-Et</b>		Solution	Franchise	IGfW		51	+250	n	0	58	+1458	+0,23	-0,03	-0,01	+86	+48	+66	<b>+397</b>	n	+18	37	+368	103	102	107	97	104	103	63	96	100	106	102	<b>103</b>	
	US 3148918945	<b>Denovo 15675 Intuitive-Et</b>		Mr Dynasty Na	Dynamo	IGfW		52	+250	n	0	59	+1276	+0,15	+0,08	+0,00	+69	+52	+58	<b>+376</b>	n	+33	38	+597	103	101	105	105	103	100	102	64	94	100	110	99	<b>103</b>
	US 3204164913	<b>Denovo 15675 Intuitive-Et</b>		Kenobi	Frazzled	IGfW		53	+250	n	0	61	+1782	-0,16	-0,07	+0,00	+59	+55	+81	<b>+374</b>	n	+22	38	+573	105	103	107	103	103	100	102	63	97	101	105	96	<b>100</b>
	DE 0361877791	<b>Vh Reilly</b>		Ocd Franchise	Outlast	IGfW		60	+250	n	0	68	+957	+0,47	+0,09	-0,01	+87	+42	+43	<b>+368</b>	n	-7	46	+498	107	103	109	102	101	100	100	68	97	102	106	96	<b>100</b>
GGI	DE 1305311425	<b>Metaxa</b>		Missouri	Balisto	IGfW		70	+250	-10	0	78	+1354	+0,02	+0,07	+0,02	+59	+54	+64	<b>+365</b>	-32	+44	58	+373	103	102	105	101	103	100	102	72	96	97	109	102	<b>104</b>
GGI	DE 0122835602	<b>Gigabyte</b>		Gymnast	Silver	GfW		63	+250	+0	0	68	+1579	-0,11	-0,05	+0,04	+50	+76	+36	<b>+343</b>	+22	-18	53	+497	103	104	103	104	103	97	102	71	105	103	111	102	<b>109</b>
	US 3137164315	<b>Danhof Guarantee 12558-Et</b>		Guarantee	Altaspring	IGfW		61	+250	+16	0	69	+1599	-0,09	-0,09	+0,00	+58	+46	+73	<b>+332</b>	-50	+10	47	+595	111	101	101	95	102	98	71	98	102	110	97	<b>103</b>	
	DE 0539063892	<b>Wildor Hong</b>		Superhero	Powerball P	GfW		65	+250	+4	0	69	+1739	-0,25	-0,10	+0,03	+47	+50	+83	<b>+329</b>	+10	-6	56	+599	104	105	107	101	99	104	103	72	100	103	112	95	<b>104</b>
	US 3149698983	<b>Gold-N-Oaks Achiever 752-Et</b>		Achiever	Silver	IGfW		55	+250	-4	0	63	+898	+0,37	+0,03	+0,00	+74	+34	+41	<b>+307</b>	+3	-10	40	+561	107	105	104	100	101	100	65	99	104	107	100	<b>104</b>	
	US 3200825095	<b>Denovo 15551 Sublime-Et</b>		Altaexplosion	Altatopshot	IGfW		53	+250	n	0	61	+755	+0,34	+0,11	-0,01	+65	+37	+34	<b>+298</b>	n	+9	37	+648	104	105	110	105	102	103	63	98	103	107	99	<b>103</b>	
	US 3204164789	<b>Denovo 15551 Sublime-Et</b>		Honda	Spectre	IGfW		52	+250	n	0	60	+429	+0,61	+0,15	-0,01	+75	+29	+19	<b>+282</b>	n	+13	37	+476	106	107	109	105	103	103	62	101	101	106	99	<b>103</b>	
	NL 67935082	<b>Bwn K&amp;I Simber</b>		Simba	Battlecry	IGfW		67	+250	-7	0	75	+1223	-0,07	-0,03	-0,01	+45	+40	+55	<b>+275</b>	-13	-23	56	+669	107	103	103	96	102	99	76	97	103	113	103	<b>108</b>	
	DE 1504375809	<b>Morricone</b>		Mr Mastermind	Lighter	IGfW		59	+250	n	0	68	+752	+0,03	-0,02	+0,00	+35	+24	+34	<b>+182</b>	n	+5	44	+673	108	110	102	99	104	102	67	93	102	112	99	<b>104</b>	
	US 3204165156	<b>Keith</b>		Kenobi	Spectre	IGfW		52	+249	n	0	59	+2136	-0,08	-0,05	-0,01	+82	+69	+97	<b>+484</b>	n	-28	38	+466	102	103	106	101	101	99	64	103	104	102	95	<b>100</b>	
CRV	NL 766124390	<b>Delta Esbit</b>		Leonardo	Final	GfW		62	+249	-7	0	67	+1671	+0,09	+0,09	+0,09	+86	+86	+86	<b>+473</b>	+8	-21	54	+439	104	96	103	100	101	97	102	70	104	103	104	105	<b>106</b>
	US 3205436782	<b>Altaexplot</b>		Altacabot	Altarobson	IGfW		51	+249	n	0	58	+1206	+0,33	+0,06	+0,00	+84	+48	+55	<b>+390</b>	n	+19	37	+486	103	102	108	102	101	100	63	95	101	105	100	<b>101</b>	
	US 3150687406	<b>Denovo 15551 Sublime-Et</b>		Legacy	Guarantee	IGfW		50	+249	n	0	57	+993	+0,48	+0,09	+0,00	+89	+43	+45	<b>+377</b>	n	-2	36	+413	105	105	107	104	103	62	98	103	107	96	<b>101</b>		
	DE 0361346010	<b>Rafinha</b>		Ocd Franchise	Kerrigan	GfW		61	+249	+24	0	66	+1688	-0,02	-0,10	-0,03	+70	+48	+74	<b>+366</b>	+43	+6	51	+644	103	103	103	98	104	104	103	69	99	102	110	96	<b>103</b>
	DE 0362072016	<b>Who Garfield</b>		Gwyer Rdc	Bandares	IGfW		58	+249	n	0	67	+1576	-0,09	-0,03	-0,01	+57	+52	+71	<b>+354</b>	n	-31	43	+474	105	105	102	99	104	103	67	103	104	110	100	<b>107</b>	
ABS	US 3142332706	<b>Pine-Tree Durable</b>		Dg Charley	Woodcrest Moc	IGfW		61	+249	-10	0	71	+1127	+0,10	+0,08	+0,00	+58	+47	+51	<b>+330</b>	-21	+64	47	+474	101	106	108	104	107	106	72	94	95	106	99	<b>100</b>	
	DE 0361296626	<b>Cassiano</b>		Casino	Detour	IGfW		60	+249	-42	0	68	+851	+0,37	+0,11	-0,01	+72	+40	+38	<b>+327</b>	-27	+28	47	+528	108	102	104	102	103	97	69	96	100	107	100</		

Inet = 0,3\*kg lactose + 2,1\*kg vet + 4,1\*kg eiwit

NVI melkdoel = 0,4\*Inet + 0,08\*ivd + 4,7\*UGH + 6,3\*VRU + 1,8\*Uier + 3,6\*Beenwerk + 1,8\*GEB + 2,7\*KGH + 0,23\*BVK

NVI dubbeldoel = 0,35\*Inet + 0,09\*ivd + 5,2\*UGH + 5,2\*VRU + 5,2\*Uier + 6\*Beenwerk + 2\*GEB + 5,2\* VLI

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Ki Stiernummer	Stiernaam	Erf-fa Vader	M-vader	B N	Bt N	NVI +/-	dtrs	Bt Rel	kgM	%V	%E	%L	kgV	kgP	kgL	INET	+/-	BVK Bt	Lvd	Ugh	Vru	Gin	Geb	KA	MS	Kgh	MS	CLWR	Rel	F	T	U	B	Ext				
Ai Bull number	Bull name	Her-fz Sire	MGS	S N	Rel	NVI +/-	dtaus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	3FCRel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLWR	Rel	F	DS	U	F	L	T					
Melkdoel Zwart						pnt	Productie										€	€	Functioneel										Exterieur									
Gex US 3148279634	Aardema Superfly	Aardema Radic	Co-Op La-Bro	Igw	59	+245	-26	0	69	+1810	-0,08	-0,09	-0,01	+68	+53	+82	+385	-39	+31	42	+576	104	101	109	101	104	106	69	94	98	106	96	99					
CRV NL 589401100	Delta Yeti	Endurance	Silver	Gfw	62	+245	+7	0	66	+893	+0,33	+0,20	-0,03	+70	+51	+38	+368	+16	-64	54	+455	103	102	105	103	102	100	103	70	102	105	108	105	108				
ABS NL 742757381	Hunter K&I Oh Bello	Altatopshot	Silver	Igw	57	+245	+5	0	66	+1095	+0,18	+0,11	+0,00	+66	+49	+50	+350	+11	-6	43	+488	104	104	104	103	103	97	67	98	104	107	101	104					
CRV NL 671125486	Delta Reloader	Finder	G-Force	Igw	71	+245	-4	0	78	+1197	-0,06	-0,07	+0,09	+45	+35	+64	+257	-28	+8	59	+444	104	104	107	104	102	98	103	72	101	103	106	106	107				
GGI DK 02371403055	Match P	Mission P	Silver	Gfw	65	+244	+0	0	69	+1676	-0,12	-0,10	+0,10	+58	+48	+87	+345	+12	+11	56	+459	103	105	103	97	106	103	103	72	97	102	108	98	103				
Dek FR 6114354190	Opera	Adorable	Wickham	Gfw	64	+244	-2	0	68	+1220	-0,01	+0,07	+0,06	+51	+49	+62	+327	-10	-39	55	+467	103	104	104	95	106	102	105	71	103	105	112	101	109				
CRV US 3143160100	Peak Amplus	Fustead Tango	Monterey	Gfw	61	+244	+24	0	68	+1676	-0,06	-0,17	+0,01	+65	+40	+78	+324	+10	+36	54	+440	104	107	110	105	102	101	99	71	94	96	104	96	98				
CRV NL 547123844	Delta Sustain	Nobel	Balticum	Gfw	62	+244	-13	0	66	+615	+0,14	+0,09	+0,09	+39	+30	+37	+216	-10	-30	53	+539	106	108	103	105	101	98	102	70	101	104	110	104	108				
Tot US 3200815647	Cal-Roy-AI Jazz	Kenobi	Hotline	Gfw	60	+243	+15	0	66	+1749	+0,22	+0,11	-0,02	+98	+73	+78	+529	+87	-29	52	+349	101	99	105	102	104	102	99	69	103	102	111	96	105				
GGI DE 0122629481	Garido	Gymnast	Penley	Gfw	63	+243	+9	0	68	+1797	-0,02	-0,08	+0,00	+74	+54	+82	+401	-10	-17	52	+344	102	102	106	100	103	99	101	71	102	104	109	102	107				
Mas DE 0359556232	Keith	Kerrigan	Balisto	Gfw	65	+243	+15	0	69	+1609	-0,16	+0,02	+0,01	+52	+68	+75	+370	+23	-4	56	+658	104	101	102	100	102	101	98	72	101	102	111	100	106				
ABS US 3143060773	Denovo 2872 Pensacola	Skywalker	Woodcrest Moc	Igw	55	+243	n	0	63	+1349	+0,14	+0,00	-0,01	+71	+47	+61	+360	n	+37	39	+418	100	105	110	105	104	104	66	96	101	106	99	102					
Sem CA 12719068	Progenis Prosperous	Magnum	Supershot	Igw	61	+243	+2	0	71	+1523	-0,10	-0,09	-0,01	+54	+44	+69	+315	-7	-25	46	+637	111	102	101	105	100	102	72	103	103	109	97	105					
CRV NL 867252963	Delta Pareto	Dazzel	Laurent P Rf	Gfw	62	+243	-6	0	66	+730	+0,28	+0,16	+0,06	+58	+41	+39	+302	-2	-33	53	+485	105	103	105	104	101	99	106	70	104	101	105	104	106				
OBS DE 0361195337	Belami	Benz	Superhero	Gfw	61	+242	-6	0	66	+1755	-0,16	+0,00	+0,04	+57	+61	+84	+395	+3	+27	51	+409	102	103	105	101	104	102	101	69	99	102	103	100	102				
ABS US 3145627240	Denovo 14566 Crosby	Dg Charley	Rubicon	Igw	57	+242	-2	0	65	+1137	+0,27	-0,02	-0,01	+75	+38	+51	+329	-18	+12	44	+550	106	103	109	103	104	100	102	68	94	101	102	99	99				
CRV NL 738287780	Weelder Esperanto	Final	G-Force	Gfw	70	+242	-8	0	69	+1517	-0,13	-0,07	+0,01	+51	+46	+70	+317	-15	-11	70	+303	101	103	104	105	104	102	106	87	98	102	110	108	109				
CRV NL 889152469	Delta Abundant P	Ranger	Fun P	Gfw	62	+242	+11	0	66	+1133	+0,04	+0,00	+0,13	+52	+39	+65	+289	+14	-48	53	+382	107	104	99	102	100	99	102	70	105	102	111	107	111				
Tot FR 5344216790	Neal	Dg Charley	Mardi Gras	Gfw	65	+242	+5	0	69	+914	+0,03	+0,01	+0,15	+42	+33	+56	+240	+17	+23	57	+559	104	106	106	107	108	106	102	72	95	101	109	102	104				
CRV NL 562601846	Delta Marco	Esperanto	Rafter P Rf	Gfw	63	+242	+4	0	66	-520	+0,91	+0,40	+0,03	+54	+15	+21	+169	-19	-10	56	+337	104	109	109	112	101	94	108	71	92	99	106	107	104				
Kam NL 648499303	Koepon Random	Ranger	Board	Gfw	58	+241	-5	0	66	+1096	+0,16	+0,09	+0,04	+62	+47	+54	+339	-18	-52	53	+351	103	103	104	104	101	104	105	70	103	104	106	107	108				
CRV NL 668059723	Lowlands Gladiator	Rush Hour Cd	Brentano	Igw	66	+241	-10	0	75	+362	+0,37	+0,24	-0,03	+49	+35	+14	+251	-15	-47	53	+393	105	106	106	105	100	98	103	70	106	105	106	108	110				
CRV NL 664899187	Delta Archie	Treasure	Jorben	Gfw	61	+241	n	0	66	+324	+0,54	+0,15	+0,01	+63	+25	+16	+240	n	-4	53	+441	107	105	104	108	99	99	103	70	102	103	109	102	107				
AWE DE 1405723149	Bongani	Blowtorch	Altaspring	Gfw	64	+240	+8	0	68	+1359	+0,17	+0,01	+0,00	+75	+48	+62	+373	+18	-16	53	+389	100	104	102	99	101	105	104	71	99	104	109	102	106				
STG US 3132349851	Mr Spring Noble	Altaspring	Número Uno	Igw	65	+240	-13	0	73	+1778	-0,24	-0,22	+0,00	+50	+39	+81	+289	+1	-15	54	+638	106	106	103	101	101	103	102	75	100	105	111	96	104				
CRV NL 661726969	Double W Rotary	Galore	Snowfever Cd	Gfw	65	+240	-3	0	69	+1163	-0,13	+0,06	+0,10	+36	+46	+63	+283	+10	-23	59	+486	105	103	98	102	100	97	102	72	98	102	109	107	108				
Kam NL 754797894	Vandenberg Niro	Bravo	Borussia	Gfw	63	+239	+13	0	69	+1413	+0,05	+0,08	+0,04	+65	+57	+69	+391	+34	+21	59	+444	104	101	104	105	100	95	99	72	101	100	105	101	103				
BGA DE 0539702074	Alabama Florida	All Star	Icone	Gfw	63	+239	+6	0	68	+1895	-0,35	-0,10	+0,03	+43	+55	+90	+343	-3	+10	53	+552	104	102	103	104	104	101	103	71	103	101	106	100	104				
CRV NL 605027433	Delta Shape PP	Hotspot P	Finder	Gfw	59	+239	n	0	67	+843	+0,36	+0,14	+0,01	+71	+43	+39	+337	n	+26	53	+403	105	102	105	104	103	103	103	70	96	99	105	101	102				
CRV BE 819101846	Delta Lazer	Lustrum	Barclay	Gfw	61	+239	n	0	66	+747	+0,14	+0,31	+0,00	+45	+56	+34	+334	n	+15	53	+401	101	101	103	102	102	101	103	70	101	100	109	108	109				
CRV NL 684617275	Delta Beacher	Esperanto	Vh SkeppargAr	Igw	68	+239	-22	0	75	+1109	-0,03	+0,05	+0,03	+44	+44	+54	+289	-28	-39	55	+442	104	104	104	105	103	102	105	71	104	105	110	104	109				
Sem CA 12754560	Westcoast Soundcloud	Outlast	Mr Mogul Delta	Igw	60	+239	-30	0	70	+1096	+0,13	+0,05	+0,00	+59	+33	+50	+274	-12	-7	44	+598	106	105	100	101	101	100	71	101	102	113	100	107					
CRV NL 660331546	Lowlands Mangrove	Magister	Bolt Rf	Gfw	65	+239	-19	0	69	+883	+0,06	+0,11	+0,00	+43	+41	+40	+270	-35	-12	57	+460	105	105	106	106	104	97	103	73	103	101	101	106	105				
K&L DK 03800006019	Vh Hoegaard Raffi Raymond	Vh Smaakjaerg	Niison	Gfw	60	+239	+2	0	66	+894	-0,03	+0,07	+0,01	+35	+38	+42	+242	+4	+26	52	+450	104	107	109	106	99	99	102	69	101	98	103	103	103				
GGI DE 0666869573	Blondin	Barclay	Racer	Gfw	65	+238	-10	0	69	+1378	+0,09	+0,08	+0,03	+68	+56	+66	+392	+21	+8	58	+546	104	96	103	105	105	99	103	72	98	100	108	104	106				
CRV US 3145229839	Peak Hazard	Bandares	Rubicon	Gfw	62	+238	-13	0	69	+1046	+0,09	+0,13	+0,19	+53	+49	+67	+332	+0	+8	56	+535	105	102	107	103	104	100	10										

Inet = 0,3\*kg lactose + 2,1\*kg vet + 4,1\*kg eiwit

NVI melkdoel = 0,4\*Inet + 0,08\*ivd + 4,7\*UGH + 6,3\*VRU + 1,8\*Uier + 3,6\*Beenwerk + 1,8\*GEB + 2,7\*KGH + 0,23\*BVK

NVI dubbeldoel = 0,35\*Inet + 0,09\*ivd + 5,2\*UGH + 5,2\*VRU + 5,2\*Uier + 6\*Beenwerk + 2\*GEB + 5,2\* VLI

**Perspublicatie stierindexen Zwartbont genomisch zonder dochters**

**April 2020**

Ki Stiernummer	Stiernaam	Erf-fa Vader	M-vader	B N	Bt N	NVI +/-	dtrs	Bt Rel	kgM	%V	%E	%L	kgV	kgE	kgL	INET	+/-	BVK	Lvd	Bt Ugh	Vru	Gin	Geb	KA	MS	Kgh	Bt MS	F	T	U	B	Ext				
Ai Bull number	Bull name	Her-fz Sire	MGS	S N	Rel	NVI +/-	dous	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLWR	Rel	F	DS	U	F	L	T		
Melkdoel Zwart							Productie										Functioneel										Exterieur									
pnt							€										€										T									
Sem US 3150307024	<b>Bomaz Fastball</b>	Frazzled	Ferdinand	IGfw	55	+231	-25	0	63	+2181	-0,22	-0,26	-0,01	+68	+47	+99	<b>+365</b>	-27	+6	39	+424	104	102	109	102	101	105	66	96	103	105	98	101			
Kam NL 564906534	<b>Waldclass Bazaar</b>	Vh Bahrain	Finder	Gfw	58	+231	n	0	66	+584	+0,56	+0,23	+0,06	+78	+42	+32	<b>+346</b>	n	+7	52	+379	103	102	102	102	101	100	102	70	96	100	106	104	104		
ABS US 3141494670	<b>Denovo 8084 Entity</b>	Matters	Rubicon	IGfw	54	+231	n	0	62	+1041	+0,31	+0,00	-0,01	+75	+36	+47	<b>+319</b>	n	+4	39	+509	105	104	106	97	101	105	65	99	103	103	99	101			
Sem CA 13127784	<b>Westcoat Stamkos</b>	RF Positive	Fortune	IGfw	59	+231	+20	0	69	+1799	-0,19	-0,19	+0,00	+56	+42	+82	<b>+314</b>	-20	-4	43	+533	103	105	103	99	103	101	70	100	103	111	98	105			
STG US 3123253418	<b>Mr D-Worth Menace</b>	Butz-Hill Delta	Flamer	IGfw	54	+231	-24	0	63	+988	+0,25	-0,08	+0,00	+66	+27	+45	<b>+263</b>	+3	+29	39	+622	105	103	105	104	104	106	66	98	101	110	100	105			
GGI DE 0122451167	<b>Avicii</b>	De-Su 12138 A	Montross	Gfw	64	+231	+5	0	68	+862	-0,12	+0,06	-0,01	+25	+36	+38	<b>+212</b>	+3	-2	56	+645	103	108	107	101	103	108	102	71	100	102	109	99	105		
Mas DE 0359235304	<b>Bestday</b>	Bestboss	Balisto	Gfw	65	+230	-5	0	69	+1470	+0,05	+0,12	+0,05	+67	+64	+72	<b>+425</b>	+28	+35	56	+491	102	99	100	100	100	96	99	71	99	100	109	99	104		
Sem CA 12949010	<b>Progenies Maestro</b>	Imax	Duke	IGfw	55	+230	+2	0	63	+1345	+0,11	-0,05	+0,00	+68	+42	+61	<b>+333</b>	+13	-37	40	+634	105	102	104	101	102	103	66	104	105	108	99	106			
GGI DE 0123347457	<b>Voß Chacco</b>	Cameron	Dozer	Gfw	61	+230	+2	0	66	+1806	-0,30	-0,11	+0,00	+45	+51	+82	<b>+328</b>	+9	-53	52	+630	104	102	101	102	105	105	104	69	99	105	109	100	105		
CRV US 3130395199	<b>Lexvold Slade</b>	Altarobson	Mr Mogul Delta	Gfw	60	+230	+1	0	68	+284	+0,54	+0,32	+0,07	+61	+39	+19	<b>+294</b>	-13	-39	52	+444	103	105	108	100	106	100	99	71	101	103	106	105	107		
CRV NL 920287996	<b>Plataan Falcon</b>	Mobile	Paradise	Gfw	66	+230	+9	0	69	+1093	+0,27	-0,11	+0,01	+73	+27	+51	<b>+279</b>	+18	+41	60	+306	106	105	103	101	102	99	100	72	95	100	103	104	102		
CRV NL 751116034	<b>De Vrendt Handy P</b>	Brekem	Packman	Gfw	70	+230	+8	0	69	+1194	-0,13	+0,02	+0,05	+38	+44	+60	<b>+278</b>	+35	+29	70	+339	103	107	105	104	105	102	104	86	100	103	104	100	103		
K&L NL 663441499	<b>K&amp;L Js Donsimon</b>	Jetset	Shotglass	Gfw	65	+229	-31	0	69	+2058	-0,33	-0,05	+0,07	+51	+66	+102	<b>+408</b>	-4	-15	58	+458	108	97	102	104	102	93	102	72	101	103	105	99	103		
STG US 3138483358	<b>Siemens Charley Merryguy</b>	Dg Charley	Montross	IGfw	63	+229	+19	0	72	+2031	-0,21	-0,18	-0,01	+63	+51	+92	<b>+369</b>	+12	+20	50	+455	106	101	105	108	102	102	73	97	100	106	96	100			
Gex US 3138766426	<b>Co-Op Aardem Subzero</b>	Blumenfeld Spr	Midnight	IGfw	60	+229	-10	0	70	+1241	+0,11	+0,07	-0,01	+64	+50	+56	<b>+356</b>	+7	+4	44	+503	102	104	103	101	104	104	70	100	102	109	97	103			
ABS US 3141494296	<b>Abs Crimson</b>	Spectre	Rubicon	IGfw	55	+229	+3	0	64	+1090	+0,32	+0,01	-0,01	+78	+39	+49	<b>+338</b>	+7	-4	39	+532	103	104	105	101	101	101	66	100	104	102	100	102			
CRV NL 732546041	<b>Delta Janick</b>	Juniper	Bolt Rf	Gfw	64	+229	+8	0	68	+680	+0,22	+0,10	-0,08	+50	+33	+23	<b>+247</b>	+1	-18	56	+346	106	105	105	105	100	106	72	101	102	106	103	105			
CRV NL 632593598	<b>Delta Paddock PP</b>	Supfit P	Laurent P Rf	Gfw	62	+229	-13	0	66	+751	+0,15	+0,04	-0,01	+46	+30	+33	<b>+230</b>	-6	+0	53	+346	105	104	105	107	101	99	100	70	100	100	103	107	105		
CRV US 3141558704	<b>Bush-Bros Alloy</b>	Samsung	Mr Oak Delco E	Gfw	60	+228	+64	0	66	+1559	+0,22	+0,14	+0,08	+89	+40	+79	<b>+375</b>	+191	+71	51	+431	103	102	102	97	103	98	99	69	84	97	106	97	96		
GGI US 3134971749	<b>Fustead Superhero Lavonte</b>	Superhero	Rubicon	Gfw	62	+228	-26	0	69	+1281	+0,04	+0,05	+0,04	+58	+50	+63	<b>+346</b>	-3	-16	56	+464	103	103	101	96	105	96	100	72	101	104	110	101	107		
GGI NL 622892405	<b>Visstein Cidre</b>	Cinema	G-Force	Gfw	65	+228	-21	0	69	+1272	+0,29	-0,07	+0,09	+83	+37	+67	<b>+346</b>	-12	+49	58	+433	104	101	99	98	99	100	99	72	91	100	107	103	103		
Kam NL 935364071	<b>Kik Divine</b>	Supershot	Altaiota	Gfw	63	+228	+8	0	69	+1159	+0,06	+0,05	+0,03	+55	+45	+56	<b>+317</b>	+11	-7	59	+392	102	106	107	101	101	104	103	72	102	103	100	101	102		
GGI NL 714486680	<b>Peeldijker Converse</b>	Concert	Silver	Gfw	65	+228	-8	0	69	+750	+0,03	+0,00	+0,06	+35	+26	+40	<b>+192</b>	-11	-5	57	+518	104	108	102	101	104	102	102	72	102	104	110	104	109		
ABS US 3141559616	<b>De-Su 14222 Kenobi</b>	Jedi	Altaspring	IGfw	64	+227	-28	0	73	+1496	-0,05	+0,06	+0,00	+58	+58	+68	<b>+380</b>	-8	+4	50	+461	105	103	106	103	104	99	74	100	104	109	91	101			
Exc DE 0359619234	<b>Acajou Ch Kendo</b>	Kerrigan	Racer	Gfw	64	+227	+13	0	69	+1517	-0,07	+0,02	+0,03	+57	+55	+72	<b>+367</b>	+36	-17	56	+518	104	99	106	98	105	104	102	72	104	103	110	99	106		
Tot FR 1442242316	<b>Drakkar Bangalore</b>	Altaspring	Chevrolet	Gfw	65	+227	+1	0	69	+1228	+0,10	-0,07	+0,08	+62	+36	+64	<b>+297</b>	+25	+4	59	+477	102	101	105	98	103	105	72	99	104	111	103	108			
ABS US 3143383981	<b>Bomaz Saige</b>	Ocd Spring Sar	Draco	IGfw	55	+227	-9	0	64	+1519	-0,08	-0,14	+0,00	+56	+38	+69	<b>+294</b>	-39	+16	40	+575	106	103	107	103	102	102	67	98	103	106	97	101			
OBS DE 0359172941	<b>Kent</b>	Kerrigan	Supershot	Gfw	65	+227	-1	0	69	+1462	-0,10	-0,12	+0,02	+52	+39	+69	<b>+290</b>	+13	+41	56	+565	102	104	107	99	103	99	104	72	98	98	105	97	100		
GGI US 74345956	<b>Hurtgenlea Richard Charl</b>	Dg Charley	Woodcrest Mox	IGfw	62	+227	-1	0	70	+1389	+0,07	-0,18	+0,00	+66	+30	+63	<b>+281</b>	+2	+62	49	+517	103	104	107	105	104	106	72	94	97	106	99	100			
Kam NL 714461889	<b>Apina Skyhigh</b>	Accord	Abel	Gfw	59	+227	+9	0	66	+744	+0,10	+0,07	+0,01	+41	+33	+35	<b>+232</b>	+1	-29	53	+459	106	105	101	104	99	99	103	70	99	102	109	105	107		
GGI DE 0666959699	<b>My Dream P</b>	RF PO Mission P	Shotglass	Gfw	65	+226	+9	0	69	+1227	-0,08	+0,20	+0,08	+44	+63	+64	<b>+370</b>	+17	+49	56	+266	101	105	107	104	101	100	102	72	95	97	107	94	99		
GGI NL 586897801	<b>Peak Saltasire</b>	Altaspring	Salvatore Rc	IGfw	64	+226	-8	0	69	+2070	-0,38	-0,17	+0,11	+46	+53	+107	<b>+346</b>	+9	-4	55	+404	102	103	104	102	101	98	101	71	100	104	108	101	105		
ABS US 3150905532	<b>Jc-Kow Vitality</b>	Skywalker	Mr Mogul Delta	IGfw	54	+226	n	0	62	+1050	+0,17	+0,08	-0,01	+61	+44	+47	<b>+323</b>	n	-24	39	+442	103	105	107	102	104	104	65	99	103	109	98	104			
K&L DK 02468005021	<b>Vh Tirsvad Louxor Laval P</b>	PO Louxor	Powerball P	Gfw	62	+226	-5	0	68	+912	-0,08	+0,12	+0,00	+31	+43	+42	<b>+354</b>	-4	+11	52	+505	106	105	107	101	104	94	100	71	102	101	107	99	104		
CRV NL 889152452	<b>Delta Landlife P</b>	PO Barrage	Rafter P Rf	Gfw	62	+226	-20	0	66	+163	+0,50	+0,23	+0,00	+52	+26	+7	<b>+218</b>	-15	-45	53	+413	105	110	103	100	100	105	70	97	102	102	102	102			
Tot NL																																				

Inet = 0,3\*kg lactose + 2,1\*kg vet + 4,1\*kg eiwit

NVI melkdoel = 0,4\*Inet + 0,08\*ivd + 4,7\*UGH + 6,3\*VRU + 1,8\*Uier + 3,6\*Beenwerk + 1,8\*GEB + 2,7\*KGH + 0,23\*BVK

NVI dubbeldoel = 0,35\*Inet + 0,09\*ivd + 5,2\*UGH + 5,2\*VRU + 5,2\*Uier + 6\*Beenwerk + 2\*GEB + 5,2\* VLI

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

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Ki Stiernummer	Stiernaam	Erf-fa Vader	M-vader	B N	Bt N	NVI +/-	dtrs	Bt Rel	kgM	%V	%E	%L	kgV	kgE	kgL	INET	+/-	BVK	Bt	Lvd	Ugh	Vru	Gin	Geb	KA	MS	Kgh	Bt	F	T	U	B	Ext					
Ai Bull number	Bull name	Her-fz Sire	MGS	S N	Rel	NVI +/-	dtaus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	\$FCR	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLWR	Rel	F	DS	U	F	L	T				
Melkdoel Zwart						pnt	Productie										€	€	Functioneel										Exterieur									
CRV US 3139851859	Deak Shero	BL Superhero	Ransom	GfW	63	+223	+12	0	69	+1206	+0,03	+0,05	+0,00	+54	+47	+55	+323	+26	-37	56	+540	103	105	106	103	107	104	103	71	106	106	99	99	102				
CRV NL 756052137	De Biesheuvel Jopper P Rf	RF PO Movement	Fun P	IGfW	67	+223	-18	0	75	+731	+0,44	+0,13	-0,02	+73	+38	+31	+318	-24	-10	53	+508	105	99	103	97	102	99	105	71	103	102	102	105	105				
Gex US 3138766984	Aardema Moondance	Matters	Josuper	IGfW	54	+223	+4	0	62	+1022	+0,28	-0,02	-0,01	+71	+34	+46	+302	+5	-42	39	+492	105	106	106	100	100	100	64	102	103	102	99	102					
ABS US 3142332520	Pine-Tree Acura	Achiever	Profit	IGfW	54	+223	n	0	63	+1212	+0,08	-0,03	+0,00	+59	+39	+55	+300	n	-14	39	+593	103	104	105	100	104	104	66	103	104	104	101	104					
Mas DE 0359235308	Amarok	De-Su 12138 A	Montross	GfW	64	+223	-9	0	68	+863	+0,05	+0,10	+0,06	+41	+40	+45	+264	+3	+14	56	+615	105	102	106	102	103	103	100	71	99	101	108	101	105				
CRV NL 646971474	Brakels Starman	Rafter P Rf	Balisto	GfW	65	+222	-5	0	69	+462	+0,58	+0,28	+0,08	+74	+42	+29	+336	+16	+16	58	+443	106	101	105	107	97	104	72	98	100	105	100	102					
Sem CA 111074181	Progenesis Moliere	Topnotch	Eugenio	IGfW	54	+222	-12	0	62	+1470	-0,01	-0,06	+0,00	+61	+45	+67	+333	+7	-33	39	+443	103	104	106	103	106	102	64	101	104	112	97	106					
CRV NL 677989059	Delta Joe PP	RF PP Sunfit P	Laurent P Rf	GfW	61	+222	-6	0	66	+1418	-0,11	+0,02	-0,02	+49	+51	+63	+331	+3	-5	52	+309	104	101	104	105	102	99	103	70	94	98	102	106	102				
Dek FR 5941776590	Lalisto	Balisto	Epic	GfW	66	+221	+27	0	69	+1929	-0,18	+0,06	+0,00	+62	+74	+88	+460	+28	-37	60	+475	104	98	100	96	98	103	100	72	103	102	103	99	102				
Alt US 3143160074	Peak Altafstrack	Helix	Silver	IGfW	56	+221	-12	0	64	+1726	+0,20	-0,08	-0,01	+94	+62	+78	+434	+5	+9	44	+169	96	104	109	105	106	106	68	100	102	105	100	103					
Kam NL 935351749	Jennekus Baryton	Barclay	Packman	GfW	63	+221	-7	0	69	+362	+0,82	+0,48	-0,15	+91	+57	+3	+426	+0	-17	58	+264	99	103	104	99	105	98	105	72	103	102	95	102	100				
Tot US 3200824958	Peak Austad	Positive	Denver	IGfW	53	+221	-10	0	61	+1422	+0,29	+0,01	-0,01	+90	+50	+64	+413	-16	+6	38	+433	102	100	105	101	101	101	63	102	103	105	98	103					
CRV US 3142181270	Peak Matchup	Altatopshot	Mr Mogul Delta	GfW	60	+221	+1	0	68	+1927	-0,17	-0,11	+0,04	+63	+55	+92	+385	+11	-2	54	+434	102	101	109	104	104	104	101	71	97	103	103	98	100				
Alt US 3140986351	Peak Althothand	Hotline	Montross	IGfW	58	+221	+13	0	67	+1670	-0,18	-0,07	+0,00	+52	+51	+76	+341	+25	-8	43	+419	106	101	103	100	104	100	69	104	102	107	100	105					
DE 035986738	Karibu	Kerrigan	Tribune	GfW	65	+221	+6	0	69	+1561	-0,25	-0,09	+0,03	+40	+45	+74	+291	+18	+8	56	+542	102	102	105	99	104	105	104	72	101	101	112	99	106				
Dek FR 6951003469	Nillsbro	Willibro Abbott	Megasire	GfW	64	+221	-17	0	69	+1111	+0,04	+0,00	+0,05	+51	+39	+56	+284	-7	+2	55	+605	102	103	107	106	104	105	102	71	100	103	109	99	105				
K&L DK 03372307328	Vh Anderstrup Battlecry Baylor	Battlecry	G-Force	GfW	65	+221	-7	0	69	+654	+0,30	+0,12	+0,01	+56	+34	+31	+266	-8	+42	58	+423	105	104	104	105	103	102	101	72	97	96	105	101	102				
Tot NL 699058814	Hul-Stein Breezer	Achiever	Octoberfest	IGfW	56	+221	-12	0	63	+663	+0,48	+0,01	+0,00	+74	+24	+30	+263	-14	+17	41	+449	104	105	105	101	101	101	66	100	102	107	101	105					
ABS US 3140503758	N-Springhoope Honda	Fustead Tango	Montross	IGfW	61	+221	+0	0	70	+1349	-0,21	-0,10	-0,01	+36	+37	+61	+246	+12	+25	46	+392	106	106	107	102	105	100	72	98	100	110	97	103					
Mas NL 571956786	Heidenskijster Downtown	Doorsopen	Supersire	GfW	65	+220	-12	0	69	+1861	-0,17	-0,10	+0,03	+61	+54	+88	+376	+7	-63	58	+422	105	101	105	96	100	96	100	72	104	106	110	97	106				
Kam NL 632591910	Vdr Saul Hudson	Barclay	Malki	GfW	62	+220	n	0	69	+802	+0,21	+0,26	-0,11	+54	+53	+26	+339	n	-43	58	+561	103	99	101	100	100	106	72	101	102	103	105	105					
ABS US 3140503778	N-Springhoope Escalate	Frazzled	Woodcrest Moc	IGfW	53	+220	-11	0	60	+1427	+0,08	-0,08	+0,00	+69	+41	+65	+333	+1	-1	39	+473	105	101	107	103	103	103	65	98	103	106	99	103					
US 3142041200	Mr Frazzled Aristocrat	Frazzled	Monterey	IGfW	61	+220	-12	0	68	+1362	-0,06	-0,08	+0,00	+52	+39	+62	+288	-18	-26	47	+457	108	103	107	100	103	97	71	103	102	109	97	104					
ABS US 3141494589	Wilra Abs Amplify	Achiever	Hotshot	IGfW	55	+220	-19	0	64	+590	+0,40	-0,11	-0,01	+63	+31	+26	+267	-17	+13	38	+571	103	104	108	101	100	100	65	94	103	104	101	101					
WWS US 3133157816	Dir-Road Cannonball	Apprentice	Mr Mogul Delta	IGfW	56	+220	+15	0	65	+979	+0,19	-0,04	-0,01	+60	+30	+44	+262	+30	-10	42	+588	108	103	105	102	101	101	66	101	103	109	97	104					
Ves IT 019991766092	Go-Farm Spinoff	Padawan	Rubicon	IGfW	48	+220	-19	0	55	+799	+0,07	+0,04	-0,01	+41	+32	+36	+228	-9	-27	35	+715	107	106	100	103	102	102	58	99	103	108	98	103					
STG US 3132353302	Mr Farnear Helix Twitch	Helix	Mr Mogul Delta	IGfW	61	+219	-16	0	68	+1383	+0,29	-0,11	+0,00	+88	+37	+63	+355	+6	+10	48	+369	102	104	103	105	104	104	71	95	102	107	98	101					
CRV NL 872395552	De Biesheuvel Jethro	Regard	Balisto	GfW	67	+219	-10	0	69	+637	+0,45	+0,26	+0,02	+70	+47	+31	+349	-6	+6	60	+444	104	101	102	105	100	105	103	82	100	100	103	100	102				
BGA DE 0360817310	Gouverneur G Gigolo	Gymnast	Missouri	GfW	63	+219	+14	0	68	+1021	+0,21	+0,14	-0,02	+64	+49	+45	+349	+5	+7	52	+367	103	102	102	101	101	99	100	71	101	103	106	102	105				
Tot NL 661379035	K&I Oh Rossi Guay	Gymnast	Rubicon	GfW	63	+219	-16	0	68	+1101	+0,25	+0,04	+0,00	+72	+42	+50	+338	+0	-34	53	+404	102	102	104	100	101	95	100	71	102	105	117	100	110				
Kam NL 879035453	Weinterper Solution	Finder	Guard	GfW	63	+219	-1	0	69	+947	+0,18	+0,11	+0,03	+58	+44	+46	+316	+12	-27	58	+304	106	102	103	97	99	96	101	72	101	102	104	105	105				
ABS US 3141494563	Denovo 7977 Boxcar	Growl	Mr Mogul Delta	IGfW	54	+219	+4	0	63	+1163	+0,01	+0,07	+0,00	+50	+47	+53	+314	-5	-3	39	+473	102	104	104	103	104	104	65	100	103	110	99	105					
Tot NL 756516602	Vekis Dg Lee	Altaspring	Meridian	GfW	65	+219	+4	0	69	+1488	+0,06	-0,17	-0,06	+69	+34	+62	+303	+34	+33	59	+324	105	104	101	94	101	104	99	72	99	102	113	98	106				
CRV US 3132426407	Peak Dirk	Bayonet	Distinction	GfW	62	+219	-12	0	69	+1260	-0,11	-0,01	+0,10	+42	+43	+68	+285	+21	+48	57	+645	100	104	105	99	102	104	102	71	97	98	104	101	101				
K&L DK 04282203769	Vh Bosman Bliet Rc	RF Vh Bosman	Fageno	GfW	65	+219	-12	0	69	+454	+0,36	+0,24	+0,02	+53	+38	+23	+274	-6	+18	57	+382	103	107	105	101	100	100	98	72	96	100	105	101	102				
Alt CA 12948981	Peak Altatruee	Guarantee	Jedi	IGfW	54	+219	-8	0	62	+1293	-0,16	-0,04	+0,00	+39	+41	+59	+268	+6	+4	39	+394	107	106	105	100	98	98	64	96</									

Inet = 0,3\*kg lactose + 2,1\*kg vet + 4,1\*kg eiwit

NVI melkdoel = 0,4\*Inet + 0,08\*lvd + 4,7\*UGH + 6,3\*VRU + 1,8\*Uier + 3,6\*Beenwerk + 1,8\*GEB + 2,7\*KGH + 0,23\*BVK

NVI dubbeldoel = 0,35\*Inet + 0,09\*lvd + 5,2\*UGH + 5,2\*VRU + 5,2\*Uier + 6\*Beenwerk + 2\*GEB + 5,2\* VLI

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

April 2020

Ki Stiernummer	Stiernaam	Erf-fa Vader	M-vader	B N	Bt N	NVI +/-	dtrs	Bt Rel	kgM	%V	%E	%L	kgV	kgP	kgL	INET	+/-	BVK	Lvd	Ugh	Vru	Gen	Geb	KA	MS	Kgh	Bt	F	T	U	B	Ext		
Ai Bull number	Bull name	Her-fz Sire	MGs	S N	Rel	NVI +/-	daus	Rel	kgM	%F	%E	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLWR	Rel	F	DS	U	F	L	T
Melkdoel Zwart						pnt	Productie										€	€	Functioneel										Exterieur					
WWS US 3145055197	S-S1 Bg Frazzled Speedy	Frazzled	Marty	IGfw	56	+214	+1	0	65	+1951	-0,27	-0,23	+0,00	+54	+43	+89	+316	-12	-15	39	+491	110	101	107	100	100	67	100	103	104	94	99		
CRV NL 664478948	Zandenburg Fury	Danno	Gfw	66	+214	-2	0	69	+840	+0,00	+0,20	-0,05	+36	+49	+34	+287	+7	-25	59	+424	107	102	104	107	99	97	100	72	97	103	106	102	104	
ABS US 3145628940	Denovo 9367 Bundle	Achiever	Rubicon	IGfw	54	+213	n	0	62	+879	+0,44	+0,09	+0,00	+80	+39	+40	+340	n	-11	39	+465	103	101	104	98	98	64	100	104	106	101	104		
WWS CA 40000062	Vogue Limeslight-P	Altaspice	Supershot	IGfw	53	+213	-9	0	61	+933	+0,26	+0,10	-0,01	+65	+44	+42	+330	+8	+13	40	+383	105	101	103	99	105	103	64	99	101	109	99	104	
STG US 3132352999	St Gen R Agro Esquire	Rubi Agronaut	Powerball P	IGfw	54	+213	+0	0	62	+1219	-0,02	+0,07	-0,01	+50	+49	+55	+322	+0	-36	40	+422	105	103	104	98	98	64	104	104	105	100	104		
Mas DE 0122212334	Barkeeper	Battlecry	Galaxy	IGfw	67	+213	+0	0	69	+447	+0,55	+0,19	-0,02	+70	+33	+19	+288	+20	-2	58	+368	105	102	102	96	105	99	102	72	97	101	107	103	105
Bov US 3140239417	Matcrest Charley Chaplin	Dg Charley	Mr Mogul Delta	IGfw	56	+213	-21	0	65	+1646	-0,25	-0,16	+0,00	+44	+41	+75	+283	-15	+37	43	+497	103	104	107	107	102	68	96	98	104	98	100		
CRV NL 749582704	Kna August	Janko	Rocky	Gfw	62	+213	-6	0	67	+691	+0,21	+0,16	-0,04	+49	+39	+28	+271	-11	-40	54	+465	105	104	102	101	100	70	100	102	106	103	105		
CRV NL 585572464	Delta Andros	Jafin	Jorben	Gfw	62	+213	-6	0	66	+400	+0,49	+0,12	+0,05	+62	+25	+23	+240	-26	-73	53	+472	109	102	104	104	103	99	102	70	104	103	104	106	107
Kam NL 936200505	Vandenberg Sneaker	Chuck	Borussia	Gfw	62	+213	+3	0	69	+321	+0,28	+0,18	+0,04	+39	+28	+18	+202	+2	+13	57	+558	106	104	106	104	106	98	103	72	101	103	105	101	104
Dek CA 12380002	Progenesis Flame Hotshot 182	Hotshot	Halogen	Gfw	65	+213	+3	0	68	+455	+0,33	+0,02	-0,01	+50	+18	+20	+185	+10	+11	55	+392	107	108	100	97	105	100	100	71	96	101	106	103	104
CRV NL 586809457	Delta Jonk Rf	Wisent Rf	Bolt Rf	Gfw	65	+213	-6	0	69	+1	+0,07	+0,12	-0,03	+6	+11	-3	+57	-10	-39	56	+519	108	113	102	99	105	100	104	72	95	103	109	102	105
CRV US 3149335089	Peak Morant	Altamontoya	Modesty	Gfw	61	+212	+0	0	66	+1094	+0,38	+0,21	-0,02	+84	+59	+48	+433	+7	+13	52	+354	99	100	105	97	105	106	99	69	97	103	109	97	103
Kam NL 668543327	Vekis Carry On	Bourbon	Kingboy	Gfw	63	+212	-9	0	69	+1599	+0,05	-0,02	+0,00	+73	+54	+73	+397	+6	-14	56	+362	104	99	107	100	102	97	99	72	102	103	107	98	104
STG US 3132353041	St Gen Dynasty Slater	Dynasty	Silver	IGfw	54	+212	-1	0	62	+1175	+0,30	+0,02	-0,01	+80	+43	+53	+360	+9	-29	41	+369	103	101	103	95	103	101	65	100	105	105	103	105	
K&L DK 02371402972	Andersstrup Horizon	Jetset	Boss	Gfw	66	+212	-24	0	69	+1235	+0,01	+0,06	+0,00	+53	+49	+56	+329	-5	-12	59	+517	106	98	103	99	101	93	103	72	104	104	107	100	106
ABS US 3141494450	Abs Niko	Achiever	Josuper	IGfw	54	+212	-3	0	62	+1160	+0,29	-0,05	-0,01	+78	+35	+52	+323	+7	-27	39	+406	103	105	107	104	104	64	100	104	105	97	102	107	102
GGI NL 750760847	Jake	Balisto	Gfw	66	+212	-11	0	69	+1310	-0,23	+0,04	+0,02	+32	+50	+62	+291	-3	-38	59	+478	106	100	102	101	101	97	102	72	98	103	114	101	108	
ABS NL 715952043	Schreur Shimmer	Salvatore Rc	Rubicon	IGfw	57	+212	-12	0	66	+1725	-0,23	-0,20	-0,01	+49	+39	+78	+286	-3	-6	43	+442	104	102	105	102	102	101	68	97	104	109	102	106	
Dek FR 6114353802	Musteer	Altasuperstar	Defender	Gfw	65	+212	-5	0	69	+1454	-0,19	-0,10	+0,03	+42	+40	+70	+273	+0	-24	58	+464	106	99	104	98	104	101	72	104	105	116	103	112	
GGI DE 0122629464	Starello	Styx	Galaxy	IGfw	67	+212	+9	0	75	+1266	-0,21	-0,08	-0,05	+32	+36	+53	+231	+36	-13	53	+271	102	106	104	104	100	101	102	70	100	101	111	106	109
GGI DE 0770111419	Batur	Basement	Tribune	Gfw	64	+211	+7	0	69	+1200	-0,19	-0,05	-0,07	+32	+37	+48	+233	+15	+4	55	+561	103	104	105	109	100	97	104	71	98	100	103	102	102
GGI DE 0770601887	Rafting	Fairmont Stoic	Dynasty	IGfw	64	+210	+4	0	68	+1683	+0,10	+0,01	+0,00	+82	+60	+77	+441	+18	-39	55	+235	100	100	100	99	101	101	100	71	101	104	111	101	107
STG US 3132353072	Mr Dynasty Nashville	Dynasty	De-Su Nominex	IGfw	56	+210	-12	0	64	+1384	+0,04	+0,00	+0,00	+63	+48	+63	+348	+17	+14	42	+516	101	102	102	97	105	102	67	94	102	103	100	100	
CRV US 3133629974	Buttview Gold Medal	Supershot	Halogen	Gfw	63	+210	+13	0	69	+1646	-0,20	-0,08	+0,00	+49	+49	+75	+326	-8	-22	59	+289	103	103	108	103	102	103	104	72	104	104	104	99	103
CRV NL 678155101	Lowlands Luste	Concert	Danno	Gfw	66	+210	-12	0	69	+766	+0,08	+0,12	+0,05	+40	+38	+40	+252	-15	+13	58	+298	103	105	107	101	104	101	72	99	103	102	105	104	
CRV NL 618713437	Primeval Update-Et	Blowtorch	Mr Mogul Delta	IGfw	54	+210	-3	0	63	+1233	-0,05	-0,18	+0,00	+47	+25	+56	+218	+15	+11	39	+463	103	105	103	97	104	105	65	93	102	110	104	106	
CRV US 3200824612	Peak Bullrush	Positive	Mr Mogul Delta	Gfw	60	+209	-6	0	66	+1289	+0,47	+0,02	-0,08	+102	+47	+51	+422	+19	-2	51	+268	102	101	104	96	104	104	98	69	100	101	111	95	103
ABS US 3145288698	Mr Ri-Val-Re Free Billy	Achiever	Rubicon	IGfw	55	+209	-10	0	64	+1013	+0,47	+0,12	+0,00	+89	+47	+46	+393	-4	+3	39	+322	100	101	105	105	104	64	99	105	101	102	102	102	
Ait US 3138499077	Peak Altaatue	Salvatore Rc	Monterey	IGfw	57	+209	-26	0	66	+1869	-0,19	-0,11	+0,00	+59	+53	+85	+367	-10	-17	43	+420	103	99	105	99	105	99	68	101	103	107	101	105	
Ait US 3147840201	Peak Althoisin	Curry	Rubicon	IGfw	54	+209	-4	0	62	+1051	+0,32	+0,03	-0,01	+76	+40	+47	+338	-4	-28	40	+473	102	105	106	105	104	103	65	102	105	103	96	101	
Kam NL 759464722	Katershorst Job	Jorben	Bookem	Gfw	63	+209	-37	0	69	+877	+0,07	+0,12	+0,03	+44	+42	+43	+278	-22	-16	59	+363	104	102	104	100	99	97	106	73	102	103	108	101	106
GGI NL 885750757	Batch P	Battlecry	Rocky	Gfw	65	+209	-19	0	69	+650	+0,17	+0,12	+0,10	+44	+34	+39	+244	-3	-1	58	+624	104	102	101	101	102	98	102	72	97	103	103	105	104
STG US 3139851164	Kings-Ransom Score	Bandares	Supershot	IGfw	63	+209	+0	0	71	+129	+0,45	+0,14	-0,01	+46	+17	+5	+168	+8	-27	49	+680	107	105	104	99	103	105	73	104	105	112	100	108	
CRV NL 941103651	Vormthoeve Lex	Extreme	Balisto	Gfw	62	+209	+12	0	69	+129	+0,37	+0,15	-0,02	+39	+18	+4	+157	+5	-45	57	+465	106	109	108	104	100	95	102	72	104	106	106	101	106
CRV BE 720581625	Delta Japan Rf	Brentano	Malcolm Rf	Gfw	65	+208	-1	0	69	+1172	-0,02	+0,06	+0,07	+48	+47	+61	+312	+7	+9	59	+358	106	98	103	101	103	106	72	100	102	105	104	105	
CRV US 3134408742	Peak Firewall	Altfireup	Woodcrest Mo	Gfw	62	+208	+15	0	69	+8																								

Inet = 0,3\*kg lactose + 2,1\*kg vet + 4,1\*kg eiwit

NVI melkdoel = 0,4\*Inet + 0,08\*ivd + 4,7\*UGH + 6,3\*VRU + 1,8\*Uier + 3,6\*Beenwerk + 1,8\*GEB + 2,7\*KGH + 0,23\*BVK

NVI dubbeldoel = 0,35\*Inet + 0,09\*ivd + 5,2\*UGH + 5,2\*VRU + 5,2\*Uier + 6\*Beenwerk + 2\*GEB + 5,2\* VLI

**Perspublicatie stierindexen Zwartbont genomisch zonder dochters**

**April 2020**

Ki Stiernummer	Stiernaam	Erf-fa Vader	M-vader	S N	Bt N	NVI +/-	dtrs	Bt Rel	kgM	%V	%E	%L	kgV	kgP	kgL	INET	+/-	BVK Bt	Lvd	Ugh	Vru	Gin	Geb	KA	MS	Kgh	Bt F	T U	B L	Ext																
Ai Bull number	Bull name	Her-fz Sire	MGS	S N	Rel	NVI +/-	dtaus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	\$FCN	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLWR	Rel F	DS U	F B	T															
Melkdoel Zwart							Productie										€										Functioneel										Exterieur									
CRV NL 661726527	Double V Ranger	Reflector	Snowfever Cd	IGfw	72	+205	+2	0	78	+481	+0,45	+0,15	+0,04	+62	+31	+26	+265	-7	-45	59	+308	103	102	103	102	105	106	104	79	108	104	109	107	111												
STG US 3132353156	St Gen Dw Galileo	Butz-Hill Delta	Mr Pre Director	IGfw	54	+205	-13	0	63	+731	+0,27	+0,03	+0,00	+57	+28	+33	+244	+6	+5	39	+627	103	103	106	106	106	106	66	100	103	105	101	104	104												
STG US 3132353459	St Gen Noble Poncho	Noble	Profit	IGfw	60	+205	-6	0	67	+783	+0,08	-0,10	-0,01	+41	+18	+35	+170	-4	+0	46	+596	107	105	106	101	102	106	69	99	103	112	98	105	105												
CRV NL 712948157	Delta Nobel	Topgear	Mobile	Gfw	65	+205	-17	0	69	+191	+0,25	+0,20	-0,02	+31	+25	+7	+170	-22	-37	58	+415	106	104	102	100	103	96	104	72	103	105	107	109	110	105											
Mas NL 571956755	Monroy	Monterey	S-Sire	Gfw	66	+204	+0	0	69	+1626	+0,00	-0,07	-0,01	+69	+49	+73	+368	+1	-20	59	+447	103	101	107	99	105	104	100	72	101	104	104	96	101	101											
Mas US 3135087031	Saber	Jedi	S-S-I Maurice t	Gfw	61	+204	-26	0	68	+1535	-0,28	+0,07	+0,14	+36	+61	+85	+351	+3	-8	56	+415	105	101	104	100	107	101	97	71	99	103	106	98	102												
Alt CA 12948857	Peak Altaklaebo	Guarantee	Jedi	IGfw	54	+204	-11	0	62	+1268	+0,05	+0,05	-0,01	+59	+49	+57	+342	+7	-11	39	+288	104	105	106	106	105	106	66	100	102	106	93	100	100												
Mas NL 571956700	Heidenskipster Spitfire	Salvatore Rc	Montross	Gfw	64	+204	-24	0	69	+1062	+0,22	-0,08	+0,10	+67	+29	+58	+277	+5	-17	55	+368	103	104	106	101	104	103	102	71	100	105	111	98	106	100											
OBS DE 0360175060	Rolls	Roxy B	Supershot	Gfw	64	+204	+8	0	69	+1626	-0,35	-0,11	-0,01	+32	+45	+73	+274	+39	+6	56	+533	103	101	101	102	103	100	103	70	98	99	111	100	105	105											
CRV NL 765755447	Peeldijker Locker	Baltikum	Bube	Gfw	66	+204	+3	0	69	+650	+0,52	+0,01	+0,00	+77	+24	+30	+269	+16	+27	58	+335	104	103	101	102	98	99	101	72	98	98	106	103	104	104											
Tot CZ 00004812406	No-Pe Zekon	Superhero	Woodcrest M	IGfw	62	+204	+2	0	71	+1215	-0,10	-0,06	+0,00	+41	+36	+55	+250	+6	-2	47	+528	101	108	103	100	101	106	73	100	104	105	98	102	103	104											
Kam NL 733557981	Holbra Adori	Adorable	Balisto	Gfw	62	+204	-6	0	68	+779	+0,07	+0,10	+0,05	+40	+37	+40	+248	-3	-34	56	+484	104	103	102	101	101	98	102	72	98	103	109	103	106	104	106										
Tot FR 6771285599	Wilt Eldo	Applicable	Commander	Gfw	63	+204	-7	0	68	+254	+0,61	+0,13	+0,07	+66	+21	+18	+230	+0	-40	56	+350	105	103	104	98	106	103	72	71	105	104	113	104	111	104											
CRV US 3140616174	Sandy-Valley Champion	Superhero	Silver	Gfw	62	+203	-5	0	69	+1189	+0,38	-0,01	-0,01	+89	+40	+53	+367	-4	-26	56	+308	105	104	102	99	104	101	98	72	98	104	107	94	101	101											
Gex US 3138817809	Welcome Plexus	Frazzled	Draco	IGfw	51	+203	-11	0	59	+1324	+0,04	+0,03	+0,00	+60	+49	+60	+345	-14	-29	35	+480	107	100	100	100	100	100	59	105	105	108	96	104	104												
Alt US 3142332516	Pine-Ree Altaannuity	Guarantee	Profit	IGfw	54	+203	-12	0	62	+1328	+0,04	+0,00	-0,01	+60	+46	+60	+333	-10	-11	39	+363	105	102	107	101	101	101	65	99	102	103	97	100	100	100											
SZO IT 19991738334	Iedvra Pegasus	Spectre	Octavian	IGfw	53	+203	+9	0	61	+1209	+0,10	-0,01	+0,00	+61	+41	+55	+213	-6	-31	39	+401	104	102	106	96	101	101	66	103	104	106	100	105	105	105	105										
Sem CA 12608917	Progenies Kristoff	Willisbro Abbott	Supershot	IGfw	57	+203	+0	0	65	+1414	-0,14	-0,05	-0,01	+46	+44	+64	+396	-6	-23	42	+494	104	101	106	100	104	99	69	99	102	110	99	105	105	105											
Sem US 3141495129	Siemers Darwin	Superhero	Silver	IGfw	62	+203	+8	0	71	+1168	+0,10	-0,05	+0,00	+60	+36	+53	+290	+28	-52	48	+428	102	105	101	101	103	105	72	105	105	112	100	109	109	109	109										
Mas DE 0358665672	Barabo	Battlecry	Balisto	IGfw	70	+203	+14	0	78	+356	+0,42	+0,21	+0,02	+54	+32	+18	+250	+16	-6	58	+495	104	103	100	101	106	104	100	72	96	100	109	103	105	105	105										
STG US 3123611270	St Gen Delta-Eta 67481	Mr Mogul Delta	Bookem	IGfw	59	+203	-1	0	67	+392	+0,46	+0,09	-0,01	+59	+22	+17	+219	+3	+32	47	+529	107	101	103	105	104	104	71	97	101	110	101	105	105	105											
US 3138483531	Siemers S Hero Sure Roz	Superhero	Mr Mogul Delta	IGfw	61	+203	-31	0	71	+1383	-0,24	-0,17	+0,00	+34	+31	+63	+219	-2	-2	47	+644	104	105	104	104	105	105	72	100	104	110	97	104	104	104											
Kam NL 941989044	Peeldijker Populist	Barrage	Fanatic	Gfw	59	+203	n	0	66	+1046	-0,23	-0,06	+0,02	+22	+30	+50	+184	n	-14	54	+513	104	106	104	103	101	99	103	70	105	103	101	105	105	105	105										
CRV NL 717948417	Delta Sunfit P	Finder	Atlantic	Gfw	66	+203	+2	0	70	+299	+0,38	+0,08	+0,05	+47	+18	+18	+178	-1	-25	60	+495	106	104	109	103	101	98	105	73	100	102	102	103	103	103	103										
CRV US 3139069148	No-Fla Entice	Collude	Montross	Gfw	62	+202	+2	0	69	+1555	+0,14	+0,02	+0,08	+81	+56	+79	+423	+26	+8	56	+440	102	99	101	101	105	103	98	71	101	104	104	97	101	101	101										
Sem US 3140616408	Sandy-Valley I Batman	Imax	Jedi	IGfw	60	+202	-31	0	70	+870	+0,50	+0,17	-0,01	+85	+47	+39	+383	-13	-7	45	+340	99	103	101	104	106	101	71	98	102	108	98	103	103	103											
Sem CA 12609177	Progenies Marius	Jedi	Bombero	IGfw	59	+202	-1	0	67	+1570	-0,09	-0,02	-0,01	+57	+53	+71	+358	+9	+7	46	+407	104	102	105	104	100	100	70	98	102	105	93	99	99	99											
CRV NL 724941269	Weelder Endurance	Bravo	G-Force	IGfw	71	+202	-46	0	78	+1081	+0,22	+0,07	-0,01	+68	+45	+48	+342	-20	+13	61	+466	104	99	103	106	102	98	98	84	100	99	105	101	103	103	103										
Sem CA 12638320	Westcoast Saluki	Apprentice	Mr Mogul Delta	IGfw	56	+202	-16	0	65	+2046	-0,30	-0,25	+0,00	+54	+44	+93	+322	-4	+7	42	+452	104	101	104	102	101	101	67	102	102	108	97	104	104	104											
CRV NL 577509733	Delta Vineyard	Magister	Hero	Gfw	65	+202	-24	0	69	+1493	-0,26	+0,02	-0,02	+36	+54	+66	+317	-27	-45	57	+469	104	99	105	104	104	102	102	72	104	103	108	102	107	107	107										
Kam NL 684755417	Kik Vandebeek	Baltikum	Supersire	Gfw	63	+202	-1	0	69	+725	+0,39	+0,14	+0,09	+68	+39	+42	+315	+17	-53	59	+514	107	102	104	101	106	93	100	72	105	104	103	97	102	102	102										
STG US 3132352407	St Gen Superhero Swift	Superhero	Co-Op Day Tuf	IGfw	64	+202	+2	0	72	+1624	-0,29	-0,04	+0,00	+38	+52	+74	+315	+8	-21	49	+473	101	102	103	101	103	106	74	102	101	111	100	107	107	107											
ABS US 3134408139	De-Su 13530 Seville	Supershot	Montross	IGfw	65	+202	-12	0	74	+1316	-0,12	-0,04	+0,00	+44	+42	+60	+283	+4	-9	52	+364	102	106	107	104	106	100	75	98	104	105	98	102	102	102											
WWS US 3143721706	S-S-I Trump Barron	Pride Spark Tr	Penley	IGfw	54	+202	-13	0	63	+1693	-0,19	-0,22	+0,00	+52	+36	+77	+280	+15	+53	39	+571	106	102	103	100	97	97	66	91	98	102	95	95	95	95											
Mas US 3143553039	Superday	Superhero	Rubicon	Gfw	62	+201	-9	0	69	+1926	-0,15	+0,00	+0,08	+65	+67	+97	+440	-5	+6	56	+232	100	100	99																						

Inet = 0,3\*kg lactose + 2,1\*kg vet + 4,1\*kg eiwit

NVI melkdoel = 0,4\*Inet + 0,08\*ivd + 4,7\*UGH + 6,3\*VRU + 1,8\*Uier + 3,6\*Beenwerk + 1,8\*GEB + 2,7\*KGH + 0,23\*BVK

NVI dubbeldoel = 0,35\*Inet + 0,09\*ivd + 5,2\*UGH + 5,2\*VRU + 5,2\*Uier + 6\*Beenwerk + 2\*GEB + 5,2\* VLI

**Perspublicatie stierindexen Zwartbont genomisch zonder dochters**

**April 2020**

Ki Stiernummer	Stiernaam	Erf-fa Vader	M-vader	B N	Bt N	NVI +/-	dtrs	Bt	kgM	%V	%E	%L	kgV	kgP	kgL	INET	+/-	BVK	Bt	Lvd	Ugh	Vru	Gin	Geb	KA	MS	Kgh	Bt	F	T	U	B	Ext													
Ai Bull number	Bull name	Her-fz Sire	MGs	S N	Rel	NVI +/-	dous	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCN	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLWR	Rel	F	DS	U	F	L													
Melkdoel Zwart							Productie										€										Functioneel										Exterieur									
pnt							€										€																													
Sem CA 12731153	Claynook Fivestar	Imax	Modesty	IGfw	56	+198	-11	0	64	+1109	+0,10	+0,02	-0,01	+57	+41	+50	+303	-5	-29	41	+366	101	103	106	103	101	105	67	100	105	111	100	107													
Mas US 3130915920	Ballman	Bandares	Supershot	Gfw	62	+198	-16	0	69	+596	+0,39	+0,19	+0,07	+62	+39	+34	+300	-8	+23	56	+294	102	104	108	98	105	105	100	72	101	104	104	98	102												
ABS IT 036990601858	Dotti Medley Orthild	Medley	Silver	IGfw	54	+198	-4	0	62	+848	+0,35	+0,02	-0,01	+70	+31	+38	+286	+11	-26	39	+460	102	102	104	98	104	64	102	103	109	102	107														
STG US 3132350249	Mr Detour High Noon	Detour	De-Su Nominer	IGfw	56	+198	+2	0	65	+1020	-0,03	-0,02	-0,01	+40	+34	+46	+237	+18	+31	43	+450	101	105	105	103	105	67	96	98	108	100	103														
ABS US 3141494321	Abs Jeronimo P	Superhero	Powerball P	IGfw	56	+198	+9	0	65	+243	+0,55	+0,16	+0,00	+60	+23	+11	+224	+17	+24	43	+482	105	105	103	104	104	68	99	100	108	97	102														
AWE CA 12221929	Silvercap Selfie Rc	Superhero	Aikman	IGfw	70	+198	+17	0	78	+1523	-0,45	-0,14	-0,01	+18	+39	+69	+218	+45	-39	63	+518	102	107	105	101	103	93	102	77	103	105	108	99	105												
Sam NL 657510961	Gen Porto	Benz	Modesty	IGfw	56	+198	+3	0	63	+245	+0,33	+0,18	+0,00	+40	+25	+11	+190	+13	+5	41	+406	104	107	105	105	107	67	98	101	109	100	104														
Sem CA 12609045	Ste Odile Milktime	Duke	Supershot	IGfw	59	+197	+1	0	68	+2606	-0,37	-0,15	+0,00	+68	+73	+119	+478	+30	-26	44	+459	102	96	101	97	105	69	107	105	102	96	102														
Tot NL 727982759	Dg Bertin	Missouri	Smurf	Gfw	65	+197	+10	0	69	+2645	-0,48	-0,22	+0,01	+57	+67	+122	+431	+20	+35	58	+384	100	96	103	104	98	99	102	72	94	98	106	97	99												
GGI DE 0123031049	Gracian	Gymnast	Silver	Gfw	63	+197	+9	0	68	+864	+0,34	+0,25	-0,07	+70	+54	+33	+378	+10	-75	53	+283	100	102	103	100	101	102	101	71	103	104	107	102	106												
Gex US 3132117270	Pine-Tree Ragen Hagar	Fairmont	Stoic	IGfw	60	+197	-1	0	70	+1249	+0,04	+0,03	+0,00	+57	+64	+57	+325	+5	-3	45	+391	100	102	106	101	103	70	97	102	109	99	104														
Alt CA 13024756	Progenisis Altapledge	Guarantee	Jedi	IGfw	54	+197	-11	0	62	+1190	-0,03	+0,03	+0,00	+47	+44	+54	+295	-15	-11	39	+368	105	104	106	100	101	64	100	102	106	95	101														
Alt US 3142181491	Peak Altaplosion	Altarobson	Montross	IGfw	54	+197	-22	0	63	+557	+0,47	+0,11	+0,00	+68	+30	+25	+273	-16	-1	39	+475	101	104	106	99	103	67	99	103	107	99	103														
CRV NL 916622424	Willem's-Hoeve K&I Javino	Concert	Balisto	Gfw	65	+197	-1	0	69	+278	+0,35	+0,29	+0,03	+44	+36	+15	+245	-19	-23	58	+368	103	105	103	104	101	103	103	72	98	102	107	101	104												
CRV US 3123281988	Crv-Delta Success	Altageunity	Jerod	Gfw	62	+197	-8	0	69	+795	-0,12	+0,11	+0,06	+22	+38	+42	+215	+4	+14	57	+507	103	102	102	103	104	101	103	72	96	98	112	102	106												
ABS US 3134408368	De - Su 13759 Potosi	Bourbon	Supershot	IGfw	57	+197	+3	0	65	+1402	-0,34	-0,15	+0,00	+25	+33	+64	+207	+16	-46	44	+681	109	103	104	102	103	99	68	102	103	107	97	103													
Sem CA 12648548	Progenisis Maxis	Eugenio	Defender	IGfw	56	+197	+3	0	64	+1125	-0,13	-0,11	+0,00	+35	+28	+51	+204	+13	-28	44	+444	102	107	104	105	103	67	104	103	112	101	109														
GGI DE 0770217596	Barbados	Battlecry	Racer	Gfw	65	+197	+12	0	69	+408	+0,30	+0,04	-0,02	+45	+18	+17	+173	+6	-22	58	+490	105	103	102	99	106	72	100	103	112	105	109														
AWE LU 7995970335	Granat	Gymnast	Silver	Gfw	63	+196	-7	0	68	+1154	+0,40	+0,04	+0,00	+89	+44	+53	+383	+22	-8	53	+289	100	99	101	97	103	105	101	71	104	103	109	102	107												
ABS US 3199701356	Ocd Rasmus Dahlin	Yoda	Mr Pre Director	IGfw	53	+196	-20	0	62	+1055	+0,28	+0,02	+0,00	+72	+39	+48	+326	+1	-5	38	+478	99	103	107	98	104	65	102	102	109	96	104														
US 3141227806	Larcrest Contraire	Hotline	Octoberfest	IGfw	56	+196	+19	0	65	+1364	+0,07	-0,06	+0,00	+65	+41	+62	+323	+25	-35	42	+304	103	102	104	101	101	67	103	103	107	101	106														
GGI NL 684260978	Veenhuizer K&I Bodi	Board	Balisto	Gfw	65	+196	+0	0	69	+982	+0,04	+0,12	+0,07	+46	+46	+52	+301	+21	-37	58	+518	104	102	101	104	102	100	103	72	99	103	105	98	102												
STG DE 539063887	Wilder Hermes	Superhero	Modena	IGfw	57	+196	+9	0	65	+1352	-0,15	+0,00	-0,01	+42	+47	+61	+299	+21	-48	44	+418	104	103	103	101	105	68	104	104	108	99	106														
Kam NL 634309531	Rhala Ex Blackbush	Bushman	Balisto	Gfw	62	+196	-4	0	69	+1510	-0,21	-0,07	+0,02	+42	+45	+71	+294	+11	-40	58	+403	105	99	103	101	104	72	102	102	107	104	107														
ABS UK 70604270432	Denovo Zoltar	Dg Charley	Mr Mogul Delta	IGfw	55	+196	+3	0	63	+1399	-0,16	-0,08	-0,01	+43	+40	+63	+273	-8	-17	43	+573	106	101	105	100	107	102	66	95	103	105	98	101													
Kam NL 933447046	K&I Ido	Baltikum	Epic	Gfw	64	+196	+21	0	69	+1643	-0,27	-0,17	+0,12	+41	+39	+88	+272	+4	-50	59	+430	106	104	106	102	104	99	72	102	103	105	99	103													
GGI DE 0360558604	Gin	Gymnast	Kingpin	Gfw	63	+196	-11	0	68	+1710	+0,11	+0,10	-0,05	+41	+34	+28	+234	+12	-23	52	+475	105	103	101	102	102	100	71	100	103	110	102	107													
Alt US 3200824908	Peak Altamano	Positive	Altarobson	IGfw	52	+196	-6	0	60	+1108	-0,03	-0,09	-0,01	+44	+30	+50	+230	+15	-23	37	+496	100	105	107	102	103	63	103	110	102	108															
Alt US 3139733266	Peak Altapropo	Helix	Montross	IGfw	57	+195	+7	0	66	+2406	-0,36	-0,29	-0,01	+62	+51	+109	+372	+10	-46	44	+376	104	101	103	104	101	68	102	103	106	96	102														
Gex NL 648499062	Peak Whistie	Frazzled	Jedi	IGfw	55	+195	-19	0	63	+2134	-0,39	-0,21	+0,00	+48	+51	+97	+339	-17	-22	39	+410	103	102	105	98	103	65	98	104	106	96	101														
Alt US 3142181103	Peak Altaingold	Hotline	Supershot	IGfw	57	+195	+21	0	65	+1500	-0,12	-0,03	+0,00	+51	+49	+68	+328	+31	+5	43	+214	100	103	104	101	104	67	97	100	107	102	104														
STG CA 109859821	Lactomont Zorro P	Jedi	Overtime P	IGfw	62	+195	-18	0	70	+1016	+0,05	+0,13	+0,00	+48	+48	+46	+311	+2	+2	50	+308	105	104	102	102	110	73	97	102	108	94	100														
Alt US 3142181239	Peak Altatagato	Frazzled	Woodcrest Mox	IGfw	54	+195	-10	0	63	+1522	+0,01	-0,17	+0,00	+66	+35	+69	+303	-7	-5	39	+357	103	104	106	102	102	67	100	102	102	98	100														
Sem CA 12857898	Progenisis Wimbledon	Altarobson	Denver	IGfw	54	+195	-18	0	62	+6	+0,92	+0,30	+0,00	+82	+27	+0	+283	-15	-13	39	+425	104	104	103	101	100	64	98	105	105	98	102														
Alt US 3149336741	Peak Altaholst	Altamontoya	Mr Mogul Delta	IGfw	53	+195	-12	0	61	+1079	+0,03	-0,04	+0,00	+49	+34	+49	+257	+0	+22	38	+436	101	105	106	99	106	63	96	101	109	97	102														
DE 0770555951	Chakaponk	Chassy	Commander	Gfw	64	+195	-16	0	69	+1023	-0,03	-0,04	+0,10	+40	+32	+57	+232	-9	+27	55	+477	105	102	105	98	102	71	98	100	108	98	103														
Sem CA 12857664	Progenisis Martini	Fortune	Mr Mogul Delta	IGfw	54	+195	+7	0	63	+974	+0,04	-0,13	+0,00	+45	+21	+44	+194	+12	-25	39	+401	107	105	107	104	102	65	101	103	1																

Inet = 0,3\*kg lactose + 2,1\*kg vet + 4,1\*kg eiwit

NVI melkdoel = 0,4\*Inet + 0,08\*ivd + 4,7\*UGH + 6,3\*VRU + 1,8\*Uier + 3,6\*Beenwerk + 1,8\*GEB + 2,7\*KGH + 0,23\*BVK

NVI dubbeldoel = 0,35\*Inet + 0,09\*ivd + 5,2\*UGH + 5,2\*VRU + 5,2\*Uier + 6\*Beenwerk + 2\*GEB + 5,2\* VLI

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**April 2020**

Ki Stiernummer	Stiernaam	Erf-fa Vader	M-vader	B N	Bt N	NVI +/-	dtrs	Rel	kgM	%V	%E	%L	kgV	kgP	kgL	INET	+/-	BVK	Bt	Lvd	Ugh	Vru	Gin	Geb	KA	MS	Kgh	Bt	F	T	U	B	Ext			
Ai Bull number	Peak name	Her-fz Sire	MGs	S N	Rel	NVI +/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFC	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLWR	Rel	F	DS	U	F	L			
Melkdoel Zwart							Productie										Functioneel										Exterieur									
							€										€																			
Gex US 3149335066	Peak Frzld Priceless	Frazzled	Modesty	IGfw	55	+191	-21	0	63	+1120	+0,12	-0,14	+0,00	+59	+25	+51	+242	-1	+20	39	+394	105	104	107	98	100	65	97	101	104	97	100				
GGI DE 0359258686	Figio	Finder	Supershot	Gfw	66	+191	+7	0	69	+260	+0,46	+0,23	+0,00	+53	+30	+12	+238	-2	-41	59	+342	104	105	106	104	102	98	101	72	99	103	104	102	103		
Alt US 3142181416	Peak Altaalba	Blowtorch	Rubicon	IGfw	56	+191	-5	0	64	+1160	+0,05	-0,15	-0,01	+54	+25	+52	+232	-1	-32	41	+312	104	105	107	106	102	67	103	104	108	101	106				
CRV NL 751089743	Koepoon Clover	Icone	Shotglass	Gfw	63	+191	-13	0	69	+921	-0,05	-0,04	+0,10	+34	+28	+52	+202	-18	+7	58	+538	104	101	105	103	103	105	103	78	100	103	107	103	106		
Sem US 3141608165	Kings-Ransom Discover	Imax	Racer	IGfw	60	+191	+0	0	70	+897	+0,11	-0,12	-0,01	+49	+20	+40	+197	+9	-20	44	+437	105	103	106	101	104	103	71	102	105	114	101	109			
GGI DE 0539638681	First	Finder	Racer	Gfw	66	+191	+7	0	69	+244	+0,17	+0,13	+0,10	+26	+20	+20	+143	+6	-37	58	+412	104	105	107	104	105	99	106	72	102	103	107	105	107		
Gex US 3146911963	Co-Op Duke Endeavor	Duke	Gun	IGfw	56	+190	-3	0	65	+1433	+0,27	+0,09	+0,00	+88	+59	+65	+446	+2	-38	43	+313	100	101	101	99	103	101	67	103	105	105	94	101			
BGA DE 0122523969	Nemo G Santi	Salvatore Rc	Silver	Gfw	64	+190	-25	0	69	+1935	-0,18	-0,09	+0,02	+63	+58	+91	+397	-12	-28	56	+348	103	98	106	104	100	102	101	71	102	103	103	97	101		
CRV US 3014562289	Sandy-Valley Axxon	S-S-I Eraser P	De-Su Nominer	Gfw	60	+190	-4	0	68	+1559	+0,03	+0,00	+0,11	+69	+54	+83	+391	-4	-33	54	+237	98	101	101	99	104	109	102	71	101	103	110	100	106		
Alt US 3133065125	Mr Mastermind	Montana	Supersire	IGfw	62	+190	-13	0	72	+1673	-0,10	-0,10	+0,00	+60	+48	+76	+346	+1	+5	48	+365	103	102	102	104	101	73	98	103	105	95	100				
GGI DE 0667098879	My Time	Mission P	Ocean Pp	Gfw	64	+190	-1	PP	69	+820	+0,28	+0,21	-0,03	+62	+49	+35	+342	+17	+48	55	+255	102	103	102	101	100	98	99	71	90	97	104	96	97		
LIV US 3126003270	Ri-Val-Re Spring Anthem	Altaspring	Epic	Gfw	63	+190	+4	0	69	+1406	-0,06	+0,00	-0,01	+53	+49	+63	+331	+27	-41	59	+322	103	99	104	97	99	106	103	72	104	106	110	100	107		
WWS US 3138843085	Cherry-Lily Zip Luster-P	PO	Ocd Eraser Zip	Kingboy	IGfw	60	+190	+5	0	67	+1026	+0,17	-0,06	-0,01	+60	+30	+46	+263	+0	-8	46	+380	101	103	107	99	106	101	70	103	103	107	102	106		
STG US 3142704383	Tjr Noble Caribbean	Noble	Mr Mogul Delta	IGfw	54	+190	-6	0	62	+1471	-0,28	-0,29	+0,00	+34	+21	+67	+178	+8	+10	39	+534	100	108	103	103	108	65	99	103	110	100	105				
Gex US 143781000	Bgp Delta Force One	Mr Mogul Delta	Bookem	IGfw	55	+190	-17	0	63	+863	-0,04	-0,11	+0,00	+33	+19	+39	+159	-7	+4	43	+642	104	105	105	103	105	102	66	97	103	106	101	103			
STG US 3132353434	Tjr Duke Dawson	Duke	Draco	IGfw	61	+189	-15	0	69	+2618	-0,44	-0,22	+0,00	+61	+66	+119	+434	+4	-17	48	+358	101	98	103	98	107	99	71	102	104	110	93	103			
CRV US 3138499025	Peak Justify	Franchise	Josuper	Gfw	61	+189	+17	0	69	+837	+0,19	+0,12	-0,08	+54	+41	+30	+291	+29	+31	55	+359	103	104	105	102	101	101	99	71	97	98	105	95	99		
Sem CA 12719010	Progenesis Dartagnan	Eugenio	Altaspring	IGfw	57	+189	+11	0	65	+1477	-0,12	-0,19	+0,00	+50	+32	+67	+256	+18	-49	44	+557	103	102	103	98	105	104	68	101	105	112	100	107			
US 3133064316	Endco Supreme	View-Home Ca	Platinum	IGfw	63	+189	-15	0	71	+841	+0,12	+0,06	+0,00	+47	+35	+38	+254	-16	+6	49	+534	108	102	99	99	100	99	74	99	101	105	96	100			
Mas NL 750760885	Jameson	Jetset	Balisto	Gfw	66	+189	-13	0	69	+1064	-0,04	+0,00	+0,06	+41	+37	+55	+254	-11	-17	59	+502	106	99	101	105	102	98	102	72	100	102	114	99	107		
Sem CA 13030395	Claynook Fair Oaks	House	Modesty	IGfw	53	+189	-1	0	61	+657	+0,24	+0,11	+0,00	+51	+33	+30	+251	-3	-7	38	+347	104	104	104	99	101	63	100	102	110	98	105				
ABS US 3134408370	De-Su 13761 Bolivia	Bourbon	Supershot	IGfw	57	+189	+13	0	66	+1377	-0,19	-0,12	-0,01	+39	+36	+62	+248	+16	-14	44	+519	107	101	103	103	100	69	98	102	108	98	103				
Ves NL 595849688	Mars Frassinio	Topgear	Missouri	IGfw	54	+189	+18	0	60	+1435	-0,45	-0,09	-0,01	+15	+41	+65	+219	+2	-1	45	+427	106	102	104	101	97	95	66	96	101	103	104	103			
GGI DK 02371402918	Malinus	Modoco	Balisto	Gfw	65	+188	+1	0	69	+1891	-0,50	-0,13	+0,06	+26	+52	+93	+296	+13	-1	56	+546	103	98	101	99	102	98	101	71	98	101	107	102	104		
Alt US 3141559953	No-Fla Altarondon	Rowdy	Midnight	IGfw	56	+188	-22	0	65	+1305	-0,02	-0,09	-0,01	+53	+36	+59	+277	+1	-28	41	+490	104	101	108	103	105	66	99	104	109	97	103				
DE 0770329056	Review	Regard	Balisto	IGfw	71	+188	-18	0	78	+969	+0,14	+0,01	-0,05	+55	+35	+39	+271	-16	+27	59	+357	106	98	105	100	101	106	102	72	99	100	108	100	104		
GGI DE 0539675032	Hansa P	PO	Superhero	Powerball P	Gfw	65	+188	+4	0	69	+1160	-0,18	+0,05	-0,04	+31	+45	+49	+264	+3	-36	56	+365	100	105	106	101	103	108	103	72	103	104	108	99	105	
STG US 3132353430	Mr Wings Flyer	Butz-Hill Silve	Mr Mogul Delta	IGfw	54	+188	-6	0	62	+1029	+0,18	-0,09	-0,01	+61	+27	+46	+253	+15	-3	40	+510	103	102	102	98	104	65	102	103	109	100	106				
Sem CA 12452135	Progenesis Dropkick	Superhero	Kingboy	IGfw	57	+188	-2	0	65	+1105	-0,05	-0,03	+0,00	+42	+35	+50	+247	+6	+43	43	+530	102	103	103	103	104	68	101	102	113	100	107				
GGI DE 0539063836	Born P Rdc	RF PO	Battlecry	Perfect Aiko	Gfw	65	+188	-4	0	69	+346	+0,47	+0,15	-0,05	+58	+26	+11	+232	-5	+2	58	+460	107	102	101	98	101	97	100	72	100	103	106	100	104	
WWS US 3142352034	Trent-Way-Js Ronald	RF	Salvatore Rc	Silver	IGfw	61	+188	-12	0	71	+1179	-0,15	-0,13	-0,01	+35	+28	+53	+204	-7	-17	47	+452	104	104	103	102	103	72	99	104	114	100	108			
GGI NL 894813728	Poppe Red Hot Filou Rdc	RF	Brekem	Gfw	66	+188	-12	0	69	+716	-0,07	+0,01	+0,07	+24	+26	+39	+169	-20	-37	59	+395	104	104	107	104	106	101	103	72	98	101	108	105	106		
AWE FR 6414474240	Lway Sil	Silver	Meridian	IGfw	72	+188	+9	0	78	+961	-0,10	-0,19	+0,11	+31	+15	+55	+143	+17	-10	59	+352	108	102	104	101	102	101	101	72	101	104	115	105	112		
Sem CA 12638218	Westcoast Alcove	Duke	Mvp	IGfw	62	+187	+4	0	71	+1613	+0,15	-0,06	-0,01	+84	+50	+73	+404	+11	-21	48	+262	99	102	102	100	103	100	72	102	105	105	97	102			
ABS US 3145627359	Denovo 14685 Value-Et	Duke	Rubicon	IGfw	57	+187	-5	0	65	+1032	+0,46	+0,12	+0,00	+89	+48	+47	+398	+14	-3	44	+330	102	100	101	98	103	97	67	100	104	105	95	101			
GGI DE 1269513509	Mandos	Magister	Missouri	Gfw	65	+187	-10	0	69	+1496	-0,24	-0,04	+0,03	+39	+48	+71	+300	-21	-14	47	+326	101	102	104	102	100	102	72	102	103	106	101	105			
ABS US 3135245753	Abs Eldridge	Jett	Davinci	IGfw	56	+187	-7	0	64	+1202	-0,05	+0,00																								

Inet = 0,3\*kg lactose + 2,1\*kg vet + 4,1\*kg eiwit

NVI melkdoel = 0,4\*Inet + 0,08\*ivd + 4,7\*UGH + 6,3\*VRU + 1,8\*Uier + 3,6\*Beenwerk + 1,8\*GEB + 2,7\*KGH + 0,23\*BVK

NVI dubbeldoel = 0,35\*Inet + 0,09\*ivd + 5,2\*UGH + 5,2\*VRU + 5,2\*Uier + 6\*Beenwerk + 2\*GEB + 5,2\* VLI

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

April 2020

Ki Stiernummer	Stiernaam	Erf-fa Vader	M-vader	B N	Bt N	NVI +/-	dtrs	Rel	kgM	%V	%E	%L	kgV	kgE	kgL	INET	+/-	BVK	Bt	Lvd	Ugh	Vru	Gin	Geb	KA	MS	Kgh	Bt	F	T	U	B	Ext	
Ai Bull number	Bull name	Her-fz Sire	MGS	S N	Rel	NVI +/-	dous	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCN	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLWR	Rel	F	DS	U	F	L	T
Melkdoel Zwart						pnt	Productie										€		Functioneel										Exterieur					
Gex US 3141657476	Blumenfeld Frazzled Loki	Frazzled	Silver	IGfw	55	+184	-17	0	64	+1366	-0,16	-0,05	+0,00	+42	+42	+62	+279	-7	-17	40	+350	104	103	104	102	102	67	97	103	108	97	102		
US 3132198509	Mr Ss Motor Oil	Supershot	Mogul	IGfw	61	+184	-13	0	69	+1775	-0,39	-0,19	+0,00	+34	+42	+81	+268	-15	-7	50	+541	102	101	102	106	102	71	99	103	107	101	104		
CRV NL 931310823	Delta Rianto	Lendor	Nelson	IGfw	61	+184	+0	0	66	+405	+0,30	+0,18	+0,01	+44	+31	+19	+227	+13	-20	52	+456	103	99	101	103	97	98	105	69	103	102	109	106	109
STG US 3123606833	St Gen Chief Madden	Stantons Chief	Monterey	IGfw	56	+184	+7	0	65	+593	+0,32	+0,05	+0,00	+55	+25	+27	+226	-2	-0	41	+413	106	103	103	107	103	102	69	100	101	119	99	105	
Gex US 3132632861	Co-Op Madron Garick	Hendel Mr Mad	Roylane Socra	IGfw	56	+184	-10	0	64	+1111	-0,29	-0,09	-0,01	+18	+30	+50	+176	+1	+21	43	+554	108	102	102	102	101	67	94	100	106	100	101		
AWE DE 0540237681	Party P	Pace Red	Janco P	IGfw	66	+184	-17	0	75	+27	+0,36	+0,20	-0,06	+33	+19	-4	+146	+1	+12	51	+400	102	108	109	103	103	102	69	101	102	107	99	104	
Tot UK 72665250056	Bb Metallic	Silver	Supersire	IGfw	68	+183	+40	0	78	+1597	+0,06	-0,06	-0,01	+74	+49	+72	+378	+90	-26	62	+368	97	97	107	98	105	103	102	59	104	105	109	102	108
Sem CA 12371165	Westcoast Yamaska	Afterburner	Woodcrest Mo	IGfw	58	+183	+7	0	66	+829	+0,36	+0,19	-0,01	+70	+47	+37	+351	+38	-28	44	+275	102	102	101	99	102	99	68	103	104	104	99	103	
K&L FR 4963779080	Limitless	Silver	Daddy	IGfw	71	+183	+3	0	78	+902	+0,25	+0,00	+0,02	+63	+31	+43	+272	+14	-3	59	+258	101	103	107	100	99	102	102	72	100	103	105	101	104
Kam NL 677046772	De Volmer Dumoulin	Dg Charley	Massey	Gfw	64	+183	-8	0	69	+561	+0,37	+0,08	+0,06	+59	+27	+31	+244	+0	+28	57	+390	104	103	104	101	105	100	99	72	100	102	105	99	102
CRV NL 685976711	Delta Larry Rf	Bram Rf	Maestro Rf	Gfw	65	+183	-21	0	69	+30	+0,54	+0,36	+0,03	+49	+33	+4	+239	-3	-16	57	+374	102	103	102	101	106	101	105	72	104	103	101	104	104
Kam NL 630318292	Poppe Red Hot Bahama	Vh Bahrain	Carnival	Gfw	59	+183	-8	0	67	+836	-0,18	+0,09	+0,03	+18	+38	+41	+206	-8	-26	53	+277	103	107	104	100	102	100	101	70	104	104	101	104	104
CRV US 3130792505	Bush-Bros Midw Exclusive	Bush-Bros Mid	De-Su Nominer	IGfw	61	+183	-15	0	67	+144	+0,48	+0,08	+0,00	+49	+12	+7	+154	-6	+34	53	+417	100	107	108	110	105	107	102	69	95	100	107	101	103
CRV US 3147987675	Aot Midas-Touch Mucho	Eldorado	Silver	IGfw	55	+182	-14	0	63	+1225	+0,27	-0,01	-0,01	+79	+42	+55	+355	-38	+10	43	+277	100	101	106	102	105	102	65	96	102	105	97	100	
Alt US 3147840005	Peak Altaskokie	Ocd Spring Sar	Silver	IGfw	54	+182	-22	0	62	+1185	+0,13	+0,02	+0,00	+63	+43	+54	+325	-17	-31	40	+340	102	101	105	98	103	101	65	103	103	104	100	103	
Alt US 3142181523	Peak Altavelvet	Hotline	Altaspring	IGfw	57	+182	+5	0	65	+610	+0,52	+0,03	-0,01	+75	+24	+27	+264	+16	-58	43	+416	105	99	104	98	103	103	68	101	102	110	104	104	
Exc DE 0770374886	Gin Bahía	Battlecry	Galaxy	IGfw	65	+182	-11	0	69	+1230	-0,10	-0,12	+0,01	+42	+31	+57	+232	+0	-19	58	+548	107	99	103	97	103	96	100	72	97	104	108	101	104
Tot FR 2716293730	Drakkar Baltasar	Altaspring	Chevrolet	IGfw	62	+182	-16	0	70	+1055	-0,21	-0,08	+0,00	+24	+29	+48	+184	-1	-11	51	+493	105	103	107	99	100	101	74	100	104	107	101	105	
CRV NL 714486729	Peeidijker Cranberry	Concert	Silver	Gfw	65	+182	-16	0	69	+485	+0,18	+0,07	+0,07	+37	+23	+29	+181	-11	+15	57	+518	104	107	109	99	105	104	100	72	103	104	104	99	103
STG US 3010366258	San-Dan Draco Easy 62511	Draco	Mogul	IGfw	57	+182	+1	0	65	+894	-0,10	-0,07	-0,01	+28	+24	+40	+169	-2	+2	46	+536	107	104	104	98	104	103	67	101	103	109	97	104	
STG US 3013115141	Rosylane-Llc Ss Marvel	Supershot	S-S-I Twist Mo	IGfw	59	+182	+6	0	68	+1011	-0,30	-0,13	+0,00	+13	+22	+46	+131	+10	-13	48	+616	104	108	104	97	104	101	69	100	103	104	100	103	
ABS US 3138573646	Wilra Burnett	Pine - Tree Bur	Woodcrest Mo	IGfw	55	+181	-2	0	63	+645	+0,72	+0,07	+0,00	+96	+29	+29	+329	+7	-5	39	+363	102	98	102	104	104	66	98	102	106	103	104		
Sem CA 40000088	Voque Timeless P	Topnotch	Duke	IGfw	53	+181	+10	0	61	+1175	+0,21	-0,09	+0,00	+70	+31	+53	+290	+20	-34	38	+471	107	101	99	97	96	63	101	104	109	95	103		
STG US 3132352752	St Gen R-Haze Rapid	Rubi-Haze	Rubicon	IGfw	61	+181	-22	0	69	+1110	+0,01	-0,02	-0,01	+48	+37	+50	+268	-14	-33	47	+410	102	102	105	92	106	105	70	101	106	110	100	107	
Alt US 3134971757	Fustead Altagewo	Jedi	Woodcrest Mo	IGfw	59	+181	-8	0	67	+1161	-0,13	+0,02	+0,00	+36	+42	+53	+264	-8	-8	46	+442	106	103	104	99	105	100	69	99	103	107	93	100	
Mas US 3139851175	Supermax	Superfly	Kingboy	Gfw	60	+181	-40	0	68	+1353	-0,11	-0,11	+0,00	+46	+36	+62	+263	-30	-39	54	+37	104	104	108	103	98	100	101	70	106	106	106	94	103
Sem CA 12719193	Progenesis Parkavenue	Fortune	Supershot	IGfw	54	+181	-5	0	63	+1809	-0,43	-0,20	-0,01	+31	+42	+82	+262	+6	-81	40	+446	103	104	104	104	98	66	103	104	109	99	106		
Kam NL 622923033	Newhouse Racon	Magister	Platinum	Gfw	62	+181	-12	0	69	+1108	-0,07	-0,03	-0,04	+40	+36	+47	+246	-34	-52	57	+388	103	106	101	100	102	100	101	72	105	106	108	98	106
CRV US 144116797	Gil-Gar Fumagalli	Altaamulet	De-Su Altaleaf	Gfw	63	+181	-13	0	69	+694	+0,18	+0,02	-0,05	+47	+26	+27	+213	+8	-35	55	+466	103	105	101	96	108	105	103	71	106	106	108	99	106
GGI DE 0539536500	Bajou	Barclay	Racer	Gfw	65	+180	-11	0	69	+657	+0,39	+0,26	-0,03	+65	+48	+27	+341	+6	+29	58	+392	103	96	104	104	105	106	101	72	97	101	108	98	102
Mas US 3139851225	Himark	Granite	Silver	Gfw	60	+180	-11	0	68	+1532	+0,06	-0,14	-0,02	+71	+39	+68	+329	+9	-2	53	+341	100	102	102	101	102	105	100	71	97	102	109	97	103
ABS US 3132117331	Pine-Tree Kendrick	Gage	Woodcrest Mo	IGfw	55	+180	-14	0	63	+911	+0,28	+0,02	-0,01	+66	+34	+41	+290	+3	+49	40	+474	100	101	104	107	107	66	97	99	105	98	101		
CRV US 3135379077	Ronjanco Furtivo	Achiever	Josuper	IGfw	60	+180	-13	0	68	+847	+0,35	-0,07	-0,07	+20	+23	+32	+251	+18	+17	52	+300	100	105	106	97	103	100	70	98	101	107	99	103	
Alt US 3138498904	Peak Altacowboy	Brown-Star Tuf	Kingboy	IGfw	55	+180	+16	0	63	+1716	-0,42	-0,20	+0,00	+28	+39	+78	+242	+22	-19	41	+413	103	103	105	100	99	66	100	102	107	100	104		
Sem US 3141495570	Siemens Roadshow	Granite	Mr Mogul Delta	IGfw	55	+180	-6	0	63	+1058	+0,11	-0,12	+0,00	+56	+25	+48	+235	-14	-9	40	+459	104	102	105	106	101	67	101	103	110	98	105		
NL 685695962	Peak Altaxantos	Bourbon	Superman	IGfw	56	+180	-8	0	65	+1193	-0,13	-0,15	+0,00	+38	+26	+54	+203	-8	+3	43	+524	104	105	104	102	103	67	98	103	105	97	101		
CRV NL 754797793	Vandenberg Delta Nautilus	Penley	Atlantic	Gfw	63	+180	-10	0	69	+854	-0,11	+0,00	-0,06	+																				

Inet = 0,3\*kg lactose + 2,1\*kg vet + 4,1\*kg eiwit

NVI melkdoel = 0,4\*Inet + 0,08\*ivd + 4,7\*UGH + 6,3\*VRU + 1,8\*Uier + 3,6\*Beenwerk + 1,8\*GEB + 2,7\*KGH + 0,23\*BVK

NVI dubbeldoel = 0,35\*Inet + 0,09\*ivd + 5,2\*UGH + 5,2\*VRU + 5,2\*Uier + 6\*Beenwerk + 2\*GEB + 5,2\* VLI

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

April 2020

Ki Stiernummer	Stiernaam	Erf-fa Vader	M-vader	B N	Bt N	NVI +/-	dtrs	Bt	kgM	%V	%E	%L	kgV	kgE	kgL	INET	+/-	BVK	Bt	Lvd	Ugh	Vru	Gin	Geb	KA	MS	Kgh	Bt	F	T	U	B	Ext			
Ai Bull number	Bull name	Her-fz Sire	MGS	S N	Rel	NVI +/-	daus	Rel	kgM	%F	%E	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLWR	Rel	F	DS	U	F	L	T		
Melkdoel Zwart						pnt	Productie										€	€	Functioneel										Exterieur							
Mas DE 0359514746	London	Lombardi	Balisto	GfW	63	+176	+5	0	68	+641	+0,27	+0,17	+0,06	+53	+38	+35	+278	+39	+20	53	+295	101	101	99	101	100	95	100	71	96	100	111	102	106		
Sem CA 13024693	Progenis Blizard	Topnotch	Denver	IGfW	54	+176	-15	0	62	+922	+0,27	+0,01	+0,00	+65	+31	+42	+276	+13	-34	39	+413	104	102	103	95	100		66	100	106	112	95	105			
Gex US 3137661391	Seagull-Bay Ahnder	Achiever	Spruce-Haven	IGfW	53	+176	+0	0	62	+1283	+0,14	-0,17	-0,01	+69	+27	+58	+273	+12	+27	38	+414	101	101	104	101	102		63	96	102	103	101	101			
Alt US 3138125233	Kp-Ack Altamorison	Altarobson	Montross	IGfW	54	+176	+0	0	63	+562	+0,47	+0,07	-0,01	+68	+26	+25	+257	-11	-15	39	+350	102	104	104	100	103	98	66	101	104	104	100	103			
Exc ES 1704321133	Gener Super Spri Ng	Altaspring	Supersire	GfW	65	+176	-7	0	69	+1350	-0,08	-0,14	-0,02	+49	+33	+60	+256	+4	-14	59	+319	103	103	105	103	103	102	72	104	105	110	96	105			
Sem US 3140616329	Sandy-Valley Embellish	Fortune	Rubicon	IGfW	55	+176	-26	0	64	+783	+0,23	+0,04	-0,01	+55	+31	+35	+253	-3	-18	40	+394	103	103	105	103	100		67	99	103	109	97	103			
Sem CA 12731113	Claynook Discjockey	Fortune	Monterey	IGfW	60	+176	-26	0	70	+945	+0,12	-0,04	+0,00	+52	+29	+43	+241	+17	-52	44	+298	102	103	103	100	101	100	71	101	103	119	100	111			
CRV US 3144856393	Hilmar-D Pinn Alec	Pinnacle	Rubicon	GfW	59	+176	-16	0	68	+80	+0,41	+0,20	-0,02	+40	+21	+2	+171	-34	-9	52	+381	103	104	110	103	105	108	100	71	98	102	112	100	106		
CRV NL 666179810	Delta Fair PP	Rafter P Rf	Ohare-P	GfW	65	+176	+15	0	69	+746	-0,20	-0,06	+0,04	+12	+20	+38	+119	+9	-10	58	+453	107	101	99	103	102	96	107	72	97	102	107	107	107		
CRV NL 684231664	Delta Leonardo	Reflector	Let It Snow	GfW	66	+175	-12	0	69	+1536	-0,32	-0,04	+0,06	+32	+49	+76	+291	+1	-39	58	+374	103	100	102	94	105	105	100	79	104	103	107	102	106	106	
GGI US 3014562366	Braveness	Bandares	Balisto	GfW	62	+175	-29	0	69	+1161	-0,15	+0,09	+0,05	+34	+49	+58	+290	-2	-31	57	+446	103	101	100	94	103	101	72	99	104	107	100	104	104		
Kam NL 648499079	Keopon Rustiek	Rush Hour Cd	Bookem	GfW	61	+175	-12	0	66	+797	+0,16	+0,16	-0,02	+49	+43	+34	+289	+9	+19	54	+284	103	98	104	103	102	101	100	70	97	100	105	104	104	104	
Tot US 3133371318	Endco Charger	Silver	Altaoak	IGfW	61	+175	+3	0	70	+1525	-0,04	-0,20	-0,01	+61	+32	+69	+280	+1	-8	50	+312	101	101	107	103	103	108	72	101	103	107	100	104	100		
Alt US 3138498720	Peak Altaoscar	Peak Altakermi	Woodcrest Mo	IGfW	55	+175	+7	0	64	+1782	-0,46	-0,35	+0,00	+27	+25	+81	+184	+25	-29	40	+430	103	106	105	100	100		67	101	104	107	100	105	105		
Alt US 3134407079	Peak Altamontoya	Altamoren	Supersire	IGfW	59	+174	-34	0	68	+1483	+0,03	-0,02	-0,01	+66	+50	+67	+364	+7	-28	44	+301	102	99	105	97	106	99	68	105	104	105	97	103	103		
Mas DE 0122523964	Merian PP	Mission P	Balisto	GfW	65	+174	-1	0	69	+1599	-0,31	+0,02	-0,01	+35	+58	+72	+333	+6	-5	56	+368	103	101	103	101	100	104	99	72	98	102	104	95	99	99	
Alt US 3134199309	No-Fla Altawillie	Josuper	Midnight	IGfW	59	+174	-1	0	68	+1472	-0,09	-0,06	+0,00	+53	+45	+67	+316	-1	-42	47	+244	101	103	104	99	104	102	70	104	104	108	98	105	105		
STG US 3132352462	St Gen Rubicon Jones	Rubicon	Josuper	IGfW	59	+174	-30	0	67	+606	+0,70	+0,05	-0,01	+92	+26	+27	+308	-9	-39	47	+334	101	100	105	103	104		69	101	104	107	102	106	106		
Sem CA 12789661	Progenis Hemingway	Fortune	Jedi	IGfW	55	+174	-18	0	65	+1641	-0,17	-0,17	-0,01	+52	+39	+74	+291	+0	-53	39	+270	104	103	103	102	101		66	100	101	111	96	104	104		
Alt NL 922688160	Peak Altakatch	Altaspring	Supersire	IGfW	59	+174	+3	0	66	+1518	-0,08	-0,18	+0,00	+56	+34	+69	+278	+14	-4	48	+407	104	102	106	101	102	100	70	99	103	102	96	99	99		
Sem US 3148929059	Sandy-Valley Lenny	Topnotch	Rubicon	IGfW	53	+174	-6	0	61	+541	+0,43	+0,10	-0,01	+63	+28	+24	+254	+9	-63	39	+472	105	103	105	100	106	101	63	103	105	107	96	103	103		
Alt US 3143383930	Bomaz Altamonson	Altarobson	Monterey	IGfW	54	+174	-23	0	62	+210	+0,49	+0,28	-0,01	+53	+33	+9	+249	-37	-43	39	+376	103	103	105	97	102	101	64	102	103	109	99	105	105		
STG US 3132350880	Farnear-Tjr-Bh Torque	Mega Star	Mr Mogul Delta	GfW	61	+174	-31	0	70	+805	+0,21	-0,02	-0,01	+54	+26	+36	+231	-2	-36	46	+395	105	103	104	103	105	101	72	101	104	109	98	105	105		
Kam NL 654340930	De Pettershoeve Leon	Altahotrod	G-Force	GfW	62	+174	-7	0	69	+893	-0,06	+0,06	-0,06	+32	+37	+35	+229	-12	+3	57	+288	101	105	98	103	100	96	101	72	103	101	101	106	105	105	
Alt US 3145229983	Peak Altailyghid	Silver	Altailywheel	IGfW	57	+174	-29	0	65	+421	+0,35	+0,04	+0,00	+50	+18	+19	+185	-14	-58	43	+468	105	104	106	101	105	103	66	103	104	111	99	107	107		
SZO IT 035990809751	Vaye Royal Monfort	Rodanas	Supersire	IGfW	63	+174	+1	0	70	+478	+0,24	+0,05	-0,01	+43	+21	+21	+183	-8	+8	49	+412	108	103	105	103	101	96	71	96	102	106	97	101	101		
GGI DE 0540415158	Basis PP	Batch P	De-Su 12138 A	IGfW	66	+174	-2	0	75	+344	+0,47	+0,00	+0,10	+58	+12	+25	+179	-6	+4	52	+603	104	102	100	101	105	102	100	69	96	102	108	102	104	104	
Mas DE 0359741455	Axminster	De-Su 12138 A	Woodcrest Mo	GfW	64	+173	-1	0	68	+1485	+0,12	-0,04	+0,00	+75	+48	+68	+375	+6	-3	55	+350	100	98	99	96	103	104	99	70	103	102	105	101	104	104	
Alt US 3145229944	Peak Altaruban	Bandares	Rubicon	IGfW	56	+173	+2	0	65	+1354	+0,04	-0,12	-0,01	+62	+35	+61	+292	+1	-41	43	+391	102	100	103	103	104		68	103	106	109	101	107	107		
Alt US 3147839960	Peak Altaroady	Altarobson	Supersire	IGfW	54	+173	-45	0	63	+763	+0,32	+0,06	-0,01	+63	+32	+34	+274	-47	-2	39	+379	99	104	106	105	104		66	103	103	105	98	103	103		
WWS US 3136807406	S-S Franchise Benz	Franchise	Montross	IGfW	63	+173	-4	0	72	+926	-0,15	+0,03	+0,00	+25	+35	+42	+209	-7	+11	50	+336	100	107	104	107	105	106	73	97	101	109	98	103	103		
GGI NL 628758138	Hunter K&I Rm Elegant	Esperanto	Doorsopen	GfW	62	+173	-10	0	66	+206	+0,30	+0,05	+0,08	+36	+12	+17	+130	-6	-35	55	+134	102	106	106	97	103	100	103	71	100	104	119	105	113	113	
Alt US 3145229960	Peak Altamorris	Duke	Rubicon	IGfW	58	+172	-29	0	67	+1522	+0,08	-0,05	+0,00	+73	+48	+69	+371	-2	-11	44	+341	102	98	102	105	100		69	101	103	107	96	102	106		
DE 0770544819	Minercraft P	Mission P	Silver	GfW	65	+172	-6	0	69	+1334	+0,01	+0,05	-0,06	+58	+52	+55	+352	+8	+14	56	+254	100	98	101	99	102	102	100	72	103	102	106	102	105	105	
Tot US 3133064240	Endco Arise	Altaspring	Supersire	IGfW	60	+172	+5	0	68	+1615	-0,35	-0,09	-0,01	+32	+47	+73	+282	+10	-32	49	+396	101	103	102	98	102	103	70	102	105	106	99</				

Inet = 0,3\*kg lactose + 2,1\*kg vet + 4,1\*kg eiwit

NVI melkdoel = 0,4\*Inet + 0,08\*ivd + 4,7\*UGH + 6,3\*VRU + 1,8\*Uier + 3,6\*Beenwerk + 1,8\*GEB + 2,7\*KGH + 0,23\*BVK

NVI dubbeldoel = 0,35\*Inet + 0,09\*ivd + 5,2\*UGH + 5,2\*VRU + 5,2\*Uier + 6\*Beenwerk + 2\*GEB + 5,2\* VLI

**Perspublicatie stierindexen Zwartbont gemisch zonder dochters**

**April 2020**

Ki Stiernummer	Stiernaam	Erf-fa Vader	M-vader	B N	Bt N	NVI +/-	dtrs	Bt	kgM	%V	%E	%L	kgV	kgP	kgL	INET	+/-	BVK	Bt	Lvd	Ugh	Vru	Gin	Geb	KA	MS	Kgh	Bt	F	T	U	B	Ext	
Ai Bull number	Bull name	Her-fz Sire	MGS	S N	Rel	NVI +/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCN	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLWR	Rel	F	DS	U	F	L	T
Melkdoel Zwart						pnt	Productie										€	€	Functioneel										Exterieur					
Alt US 3145230125	Peak Axl	King Royal	Silver	IGfw	57	+168	-6	0	65	+883	+0,08	-0,02	+0,00	+45	+29	+40	+225	-37	-34	44	+430	102	101	106	95	102	107	69	99	102	112	101	107	
STG US 3132350147	St Gen Director Chairman	Mr Pre Director	Mardi Gras	IGfw	55	+168	+12	0	63	+201	+0,54	+0,17	+0,00	+57	+22	+9	+213	+19	+8	42	+472	101	105	104	105	106	66	97	101	108	96	101		
STG US 3126776429	Edg Delta B52	Mr Mogul Delta	Roylane Booke	IGfw	62	+168	-8	0	68	+225	+0,57	+0,11	+0,00	+61	+18	+10	+205	+5	+11	49	+339	105	102	104	98	106	72	101	102	107	100	104		
CRV NL 661727018	Double W Radiator	Jetset	Snowfever Cd	IGfw	66	+168	-16	0	69	-125	+0,64	+0,21	-0,07	+50	+14	-12	+159	-6	+6	59	+372	107	101	101	103	101	97	102	72	100	102	113	101	108
Alt US 3131306835	Endco Dragon	Supershot	Platinum	IGfw	64	+167	-12	0	73	+1867	-0,27	-0,13	+0,00	+50	+51	+85	+340	-7	-40	53	+406	103	97	100	105	103	75	106	104	107	100	106		
Alt US 3147839972	Peak Altajimi	Altarobson	Supersire	IGfw	54	+167	-31	0	62	+551	+0,59	+0,16	+0,00	+79	+34	+25	+313	-49	-32	39	+403	100	101	104	99	104	65	102	103	104	99	103		
Sem CA 12609015	Progenesis Fabulous	Jett	Kingboy	IGfw	57	+167	-10	0	65	+1918	-0,33	-0,19	-0,01	+46	+46	+87	+311	-3	-25	43	+341	104	99	104	103	105	100	68	98	102	111	95	103	
Alt US 3138498767	Peak Altageamone	Jedi	Littleton	IGfw	59	+167	-16	0	67	+1778	-0,44	-0,13	+0,00	+29	+48	+81	+282	-18	-3	46	+301	105	102	103	98	104	99	70	99	103	104	95	100	
Mas DE 0953021002	Rho Pepper	Mr Puma	Dolph	IGfw	67	+167	-10	0	75	+625	+0,36	+0,15	-0,07	+61	+36	+22	+282	+2	+42	52	+164	100	102	103	105	101	100	103	69	97	100	107	98	102
LIV US 3132348492	Mr Spring Nightsky	Altaspring	Numero Uno	IGfw	66	+167	-2	0	73	+1402	+0,02	-0,16	+0,00	+61	+32	+64	+279	+14	-11	54	+356	100	103	104	98	102	99	76	100	104	106	98	103	
Sem CA 12648423	Ste Odile Electric	Fedex	Supershot	IGfw	56	+167	-15	0	64	+1618	-0,17	-0,19	-0,01	+51	+36	+73	+277	-1	-22	41	+473	101	101	105	105	103	104	67	106	104	106	98	105	
Mas DE 0359821287	Salvo Rdc	Salvatore Rc	Commander	Gfw	64	+167	-15	0	69	+1231	+0,03	-0,16	+0,05	+55	+27	+61	+245	-18	+2	56	+207	104	104	105	101	101	100	71	98	102	104	97	100	
CRV NL 660160281	Delta Lustrium	Topgear	Lat It Snow	Gfw	65	+167	-22	0	69	+681	-0,08	+0,19	-0,05	+21	+42	+26	+224	-23	-50	58	+336	101	99	104	99	100	98	105	72	106	105	106	109	111
Sem CA 12719310	Progenesis Heissenberg	Fortune	Jedi	IGfw	54	+167	-14	0	63	+1083	-0,06	-0,12	+0,00	+40	+26	+49	+205	-5	-50	39	+354	107	105	104	103	100	67	103	103	110	94	103		
Sem CA 12719072	Progenesis Dryden	Superhero	Kingboy	IGfw	56	+167	-16	0	65	+1347	-0,21	-0,20	-0,01	+36	+26	+61	+201	-11	-57	43	+585	103	103	102	103	106	67	103	103	113	98	107		
Sem CA 12371185	Westcoast Guy	Bayonet	Jacey	IGfw	58	+167	-14	0	66	+453	+0,09	+0,14	-0,01	+28	+29	+20	+184	-3	-58	45	+563	103	105	97	96	105	67	102	104	110	101	107		
Sem CA 12464180	Silverridge V Emeritus	Jett	Supershot	IGfw	56	+166	-20	0	64	+1876	-0,22	-0,16	-0,01	+56	+48	+85	+340	-23	-25	43	+340	102	99	103	107	97	67	102	103	106	97	103		
STG US 3146082139	Kings-Ransom I Degree	Imax	Mr Mogul Delta	IGfw	60	+166	-3	0	68	+1696	-0,22	-0,14	+0,00	+49	+44	+77	+306	-5	-13	46	+345	100	99	103	99	105	107	70	103	105	107	100	105	
Sem CA 12789861	Progenesis Portrait	Imax	Rubicon	IGfw	55	+166	-22	0	63	+1120	+0,27	-0,07	+0,00	+74	+32	+51	+302	-15	-24	41	+322	99	101	105	101	103	67	104	105	106	101	106		
Sem CA 109603328	Lesperron Santorius	Jedi	Kingboy	IGfw	59	+166	-3	0	68	+1560	-0,30	-0,07	+0,00	+35	+47	+71	+288	-7	-31	46	+318	104	103	104	98	103	96	69	100	103	107	93	100	
Alt US 3145240286	G-Deruyter Altarisen	Altarobson	Rubicon	IGfw	54	+166	-19	0	62	+461	+0,56	+0,09	+0,00	+72	+24	+21	+256	-22	-29	39	+304	100	103	105	98	101	101	65	101	105	108	101	106	
CRV NL 694388754	Skalsumer Pilates	Jetset	Danno	Gfw	56	+166	-12	0	69	+266	+0,44	+0,18	+0,03	+51	+26	+15	+218	-21	-27	59	+375	107	96	102	103	98	100	105	72	102	103	107	105	107
Sem US 3137164039	Regancrest Bluedevel	Fortune	Josuper	IGfw	64	+166	-9	0	63	+1234	-0,09	-0,21	+0,00	+43	+22	+56	+197	+10	-71	40	+429	108	103	106	102	99	67	104	103	113	94	105		
CRV NL 623901612	Delta Surrender PP	Laurent P Rf	Atlantic	IGfw	65	+166	-28	0	69	+116	+0,57	+0,17	-0,05	+56	+19	+1	+196	-23	-45	57	+415	105	101	100	98	99	105	72	105	105	104	104	106	
Gex US 3137878467	Bomaz Damien Kanzo	Brandvale Stoir	Josuper	IGfw	55	+166	-13	0	64	+797	+0,14	-0,10	+0,00	+47	+18	+36	+183	-1	+7	41	+416	104	104	104	104	100	66	94	101	110	97	102		
SZO IT 097990053894	Ghezzi Btkm Jesolo	Baltikum	Sargeant	IGfw	58	+165	-12	0	66	+1851	-0,25	-0,06	+0,00	+52	+58	+84	+372	+14	-34	47	+324	100	98	101	98	100	103	70	103	102	105	100	104	
ABS US 3141494407	Abs Zebedee	Spectre	Mr Mogul Delta	IGfw	55	+165	-3	0	64	+1320	+0,17	-0,01	+0,00	+73	+45	+60	+356	+13	-29	39	+272	98	101	105	98	103	66	101	104	107	97	103		
Sem CA 12900937	Vogue Kingsize P	King Royal	Powerball P	IGfw	55	+165	-4	0	63	+996	+0,19	+0,11	+0,00	+61	+45	+45	+326	-28	+22	43	+245	98	101	103	95	103	105	66	96	100	110	97	103	
Kam NL 681815388	Poppe Feel Good	Louxer	Denether	Gfw	60	+165	-1	0	68	+752	+0,26	+0,15	-0,06	+57	+41	+29	+297	+8	-7	53	+234	102	99	101	100	102	99	71	100	102	106	103	105	
Gex US 3138766763	Aardema Penny Bags	Hollermann Silh	Woodcrest Mox	IGfw	53	+165	-1	0	61	+502	+0,28	+0,06	-0,01	+47	+23	+22	+200	-14	+19	38	+357	100	104	106	106	106	63	93	102	107	101	102		
Kam NL 759464746	Katershorst Willem	Wisent Rf	Bookem	IGfw	62	+165	-20	0	69	+882	-0,24	+0,01	+0,01	+14	+32	+41	+173	-37	-10	57	+388	102	103	107	102	104	102	103	73	103	104	110	100	107
Tot NL 751486982	Peak Exotic Yoder 8698	Woodcrest Mox	Supersire	IGfw	58	+165	+7	0	66	+205	+0,37	-0,08	+0,00	+42	+0	+9	+91	+3	+13	45	+575	106	105	107	102	103	104	69	97	103	106	99	102	
Bov US 3139951898	Speek-NJ Raiden Arden	Abs Raiden	Kingboy	IGfw	55	+164	-16	0	63	+1669	-0,23	-0,21	+0,00	+47	+36	+76	+269	-2	-8	41	+441	102	101	107	99	104	100	67	102	104	107	95	102	
GGI DE 0540130147	Wildler Baurden	Batch P	Superhero	Gfw	61	+164	-14	0	66	+1116	-0,17	+0,03	+0,10	+30	+42	+61	+254	-10	-49	52	+431	102	99	102	99	102	99	102	69	103	105	111	102	109
Kam NL 621975552	Big Kofu	Jetset	Brawler	Gfw	63	+164	-27	0	69	-232	+0,65	+0,33	+0,04	+46	+20	-7	+177	-16	-2	59	+420	107	101	101	102	100	99	72	104	103	112	100	108	
Sem US 3140616308	Sandy-Valley Emerald	Fortune	Rubicon	IGfw	56	+164	-15	0	65	+1068	-0,22	-0,12	-0,01	+23	+25	+48	+165	+0	-21	40	+391	102	105	106	103	102	67	97	103	111	100	105		
ABS NL 580616806	Willem's-Hoeve W-H J Augustus	Jetset	Balisto	IGfw	59	+164	+11	0	67	-147	+0,43	+0,30	+0,01	+31	+21	-6	+149	+27	-16	48	+475	110	102	99	104									

Inet = 0,3\*kg lactose + 2,1\*kg vet + 4,1\*kg eiwit

NVI melkdoel = 0,4\*Inet + 0,08\*ivd + 4,7\*UGH + 6,3\*VRU + 1,8\*Uier + 3,6\*Beenwerk + 1,8\*GEB + 2,7\*KGH + 0,23\*BVK

NVI dubbeldoel = 0,35\*Inet + 0,09\*ivd + 5,2\*UGH + 5,2\*VRU + 5,2\*Uier + 6\*Beenwerk + 2\*GEB + 5,2\* VLI

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Ki Stiernummer	Stiernaam	Erf-fa Vader	M-vader	B N	Bt N	NVI +/-	dtrs	Bt	kgM	%V	%E	%L	kgV	kgP	kgL	INET	+/-	BVK	Bt	Lvd	Ugh	Vru	Gin	Geb	KA	MS	Kgh	Bt	F	T	U	B	Ext	
Ai Bull number	Bull name	Her-fz Sire	MGS	S N	Rel	NVI +/-	dous	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCN	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLWR	Rel	F	DS	U	F	L	T
Melkdoel Zwart						pnt	Productie										€	€	Functioneel										Exterieur					
CRV NL 682548137	Delta Jacobus	Topgear	Mobile	GfW	65	+161	-14	0	69	+528	+0,18	+0,03	-0,10	+39	+21	+15	+173	-25	-34	58	+264	104	104	106	103	98	97	104	72	101	104	105	101	104
Alt US 3144883112	Siemers Healer	King Doc	Monterey	IGfW	54	+160	-9	0	62	+1620	-0,08	-0,14	-0,01	+60	+42	+73	+320	+5	-32	40	+234	100	101	101	96	103	101	66	100	102	109	99	105	
Sem CA 109603329	Lesperron Successor	Jedi	Kingboy	IGfW	59	+160	-10	0	67	+1469	-0,26	-0,06	+0,00	+36	+45	+67	+280	-8	-31	46	+308	104	103	104	103	96	70	101	103	106	93	100		
Alt US 3142181434	Peak Altamilestone	Jedi	Silver	IGfW	59	+160	-8	0	68	+1268	-0,15	+0,00	-0,01	+39	+44	+57	+279	-6	-40	46	+261	102	102	105	103	105	100	70	100	102	110	94	102	
Alt US 3135331884	Higghersom Altaisath	Jedi	Roylane Booke	IGfW	59	+160	-5	0	67	+1248	-0,36	-0,04	-0,01	+17	+39	+56	+212	-3	+5	46	+325	107	103	104	104	98	70	94	101	108	93	99		
Sem US 3140038600	Morningvow Homeground	House	Jedi	IGfW	54	+160	-3	0	62	+418	+0,37	+0,08	+0,00	+52	+22	+19	+205	+13	-9	38	+262	103	104	104	102	103	64	99	103	111	98	105		
Sem US 3140616328	Sandy-Valley Fullmarks	Fortune	Rubicon	IGfW	55	+160	-23	0	64	+950	-0,06	-0,08	+0,00	+34	+25	+43	+187	+3	-43	39	+401	102	106	105	95	103	102	67	99	104	112	96	105	
Mas DE 0358389006	Palace	Penley	Miles	GfW	65	+160	-7	0	69	+618	+0,18	-0,05	+0,00	+43	+17	+28	+168	+2	-34	56	+461	103	102	102	101	99	98	103	71	101	105	110	102	107
Sem US 3140616192	Sandy-Valley Hotspring	Euclid	Montross	IGfW	56	+159	-23	0	64	+1738	-0,29	-0,17	+0,00	+43	+42	+79	+286	-31	-32	42	+410	104	98	101	107	105	68	102	104	108	99	105		
Mas US 3127565619	Motown	Modesty	Tatum	GfW	61	+159	-26	0	68	+1236	-0,26	-0,03	+0,02	+26	+40	+58	+236	-20	+52	56	+296	99	101	104	100	100	105	102	71	95	98	108	100	102
AWE US 3135087333	Endco Warrior	Tango	Battlecry	IGfW	63	+159	+3	0	72	+1029	+0,01	-0,09	-0,01	+45	+27	+46	+219	+8	+8	51	+426	105	99	100	101	103	74	98	99	110	100	105		
Alt CA 12415209	Pine-Tree-I Altaspitfire	Monterey	Supersire	IGfW	61	+159	-25	0	69	+833	+0,09	-0,01	+0,00	+44	+28	+38	+219	-27	-8	48	+407	102	103	105	96	107	103	73	101	101	106	98	103	
Sem CA 12549522	Stantons Fountain	Jett	Mccutchen	IGfW	58	+159	-5	0	66	+921	-0,04	-0,08	+0,00	+35	+24	+42	+185	-14	-33	46	+231	105	106	104	102	105	103	69	103	104	111	96	105	
Sem CA 13024760	Progenesis Digital	Hotline	Duke	IGfW	56	+158	+11	0	65	+1476	-0,04	-0,16	+0,00	+58	+35	+67	+285	+42	-57	42	+347	104	98	104	102	103	103	67	102	102	111	99	106	
Kam NL 929184881	Timmer Gallup	Silver	Bookem	GfW	63	+158	-3	0	69	+1263	-0,05	-0,08	+0,08	+49	+36	+66	+270	+8	-23	60	+343	102	99	104	96	100	99	100	72	103	104	106	102	106
Mas US 73953429	Purity-Et	Pure	Altaoak	GfW	63	+158	-43	0	68	+909	+0,00	+0,04	+0,07	+39	+36	+48	+244	+7	+54	57	+585	100	101	99	99	104	104	102	71	93	101	107	94	99
CRV NL 642172631	Delta Revisor P	Finder	Sundance	GfW	65	+158	+1	0	69	+275	+0,31	+0,30	+0,13	+40	+37	+24	+243	-1	-64	59	+337	102	102	103	95	103	101	105	72	104	105	102	101	104
Sem CA 12529221	Progenesis Takeover	Brodie	Troy	IGfW	61	+158	-9	0	70	+926	-0,02	+0,01	+0,00	+37	+33	+42	+226	+4	+11	47	+494	104	99	103	103	106	103	72	98	102	108	98	103	
CRV NL 659618111	Delta Relevant	Mobile	Chevrolet	GfW	68	+158	-16	0	69	+370	+0,33	+0,19	-0,05	+46	+30	+12	+223	-6	-22	62	+344	105	99	106	103	103	102	100	84	101	104	104	103	105
Tot US 3137661286	Seagull-Bay R Sergio	Fairmont Stoic	Mr Mogul Delta	IGfW	54	+158	-8	0	62	+1381	-0,33	-0,13	+0,00	+25	+35	+63	+215	+7	-4	40	+330	103	101	103	102	101	65	100	101	109	99	104		
Sem US 3135087143	Stantons Useful	Woodcrest Mo	Camaro	IGfW	57	+158	+5	0	65	+235	+0,56	+0,12	-0,01	+61	+19	+10	+209	+9	+10	43	+388	100	102	104	102	106	68	98	102	108	102	105		
STG US 3135087360	Lexvold Ss Cahill	Supershot	Montross	IGfW	64	+158	-12	0	74	+1807	-0,58	-0,25	+0,00	+15	+36	+82	+204	+21	-19	52	+491	103	102	100	105	98	75	101	103	112	98	106		
CRV NL 730639868	Hoewe Boveneind Herovina	Eusebio	Sunfish	GfW	69	+157	-31	0	70	+1574	-0,08	+0,00	+0,05	+58	+55	+77	+370	+8	-25	66	+251	107	99	94	101	103	97	83	103	104	99	96	99	
Alt US 3138498786	Peak Altasnapchat	Jedi	Supershot	IGfW	60	+157	-14	0	68	+1415	-0,22	+0,02	-0,01	+37	+51	+64	+306	-6	+5	47	+355	104	101	105	106	105	98	71	97	101	102	91	96	
LIV US 3139951900	Speak-NJ Raiden Article	Abs Raiden	Kingboy	IGfW	54	+157	-25	0	62	+1555	-0,13	-0,13	+0,00	+52	+41	+71	+299	-3	-24	41	+368	99	102	107	97	102	103	67	103	102	104	96	101	
Kam NL 653191887	Kik All Inclusive	Bitcoin	Commander	GfW	58	+157	+13	0	66	+935	+0,20	+0,07	+0,05	+59	+39	+48	+298	-1	-48	53	+28	101	103	100	98	102	98	99	70	104	106	106	104	107
BGA NL 751089426	Koepen Classy Bali	Battlecry	Doorman	GfW	65	+157	-1	0	69	+1326	-0,03	-0,07	-0,02	+53	+39	+59	+299	+11	-31	58	+330	104	101	99	97	103	93	72	100	101	106	99	103	
Sem CA 12789759	Progenesis Origin	Superhero	Denver	IGfW	56	+157	-1	0	65	+1091	+0,21	-0,07	-0,01	+67	+31	+49	+283	+6	-24	43	+385	100	101	100	94	104	107	67	101	105	111	98	106	
Alt US 3142181298	Peak Altalackey	Bourbon	Silver	IGfW	57	+157	+2	0	66	+1837	-0,34	-0,23	-0,01	+42	+39	+83	+273	+25	-23	44	+270	102	101	105	102	103	102	68	99	102	106	99	103	
Sem CA 40000098	Vogue Eclipse PP	Yoda P	Duke	IGfW	53	+157	+3	0	61	+840	+0,21	+0,01	+0,00	+56	+30	+38	+252	+6	-20	38	+406	104	103	99	99	101	63	100	104	108	94	102		
Tot NL 685695823	Kairo-Koepen 9582	Gatedancer	Woodcrest Mo	IGfW	55	+157	+3	0	64	+1185	-0,12	-0,06	+0,00	+38	+35	+54	+240	+9	-1	40	+285	102	104	104	96	104	104	65	98	103	108	95	101	
Sem CA 12508193	Walnutlawn Bridgestone	Lighthouse	Willbro Abbott	IGfW	53	+157	+1	0	61	+1354	-0,29	-0,08	-0,01	+28	+39	+61	+237	+14	-43	38	+409	101	102	102	97	103	99	64	103	102	114	98	108	
Alt US 3131664081	Peak Altabombast	Jooster	Montross	IGfW	60	+157	-5	0	68	+1078	-0,12	-0,09	+0,00	+34	+29	+49	+205	-10	-33	47	+472	104	103	103	99	104	100	70	101	104	107	97	103	
CRV US 74701039	No-Fla Max	Altaoak	Altaoak	GfW	65	+156	-11	0	69	+1548	-0,09	-0,09	-0,02	+56	+45	+69	+323	-16	+36	58	+212	100	104	103	99	103	103	97	72	93	99	102	93	95
Sem CA 12754531	Westcoast Gunmetal	Jedi	Tango	IGfW	59	+156	-3	0	67	+1838	-0,41	-0,08	-0,01	+34	+55	+83	+322	-6	+2	46	+156	104	101	104	102	105	99	69	97	102	106	94	97	
Alt US 3142181155	Peak Altalansing	Bourbon	Rubicon	IGfW	58	+156	-10	0	68	+1698	-0,25	-0,11	-0,01	+46	+47	+77	+312	+6	+0	44	+321	100	100	103	99	104	104	69	97	102	102	97	101	
NL 743560812	Neerduist Dg Harvest	Pure	Jacey	GfW	65	+156	+0	0	69	+1484	-0,12	-0,09	+0,08	+51	+42	+76	+302	+12	+11	57	+269	98	103	101										



Inet = 0,3\*kg lactose + 2,1\*kg vet + 4,1\*kg eiwit

NVI melkdoel = 0,4\*Inet + 0,08\*ivd + 4,7\*UGH + 6,3\*VRU + 1,8\*Uier + 3,6\*Beenwerk + 1,8\*GEB + 2,7\*KGH + 0,23\*BVK

NVI dubbeldoel = 0,35\*Inet + 0,09\*ivd + 5,2\*UGH + 5,2\*VRU + 5,2\*Uier + 6\*Beenwerk + 2\*GEB + 5,2\* VLI

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Ki Stiernummer	Stiernaam	Erf-fa Vader	M-vader	B N	Bt N	NVI +/-	dtrs	Bt Rel	kgM	%V	%F	%E	%L	kgV	kgE	kgL	INET +/-	BVK	Bt	Lvd	Ugh	Vru	Gin	Geb	KA	MS	Kgh	Bt	F	T	U	B	Ext		
Ai Bull number	Bull name	Her-fz Sire	MGS	S N	Rel	NVI +/-	Rel	kgM	%F	%E	%L	kgF	kgE	kgL	INET +/-	SFCN	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLWR	Rel	F	DS	U	F&L	T				
Melkdoel Zwart						pnt	Productie										€	€	Functioneel										Exterieur						
Kam	NL 756624448	Giessen Utopia	Rubicon	Snowman	GfW	63	+142	+14	0	69	+571	+0,50	+0,12	-0,02	+71	+31	+24	+283	-2	-8	59	+172	103	98	102	100	96	97	99	80	102	104	108	100	105
ABS	US 3142323735	Pine-Tree Defense	Achiever	Damaris	IGfW	54	+142	-33	0	62	+534	+0,53	+0,08	+0,00	+72	+26	+24	+265	-25	+0	38	+261	99	100	105	100	100	106	65	97	102	106	100	103	
	US 3129038324	Endco Evolve	Powerball P	Balisto	IGfW	62	+142	-9	0	70	+514	+0,19	+0,21	-0,01	+40	+38	+23	+247	-9	+11	51	+282	101	101	104	104	105	74	100	99	110	95	103		
Ait	US 3134407072	Peak Altajarez	Altamoreno	Jabir	IGfW	57	+142	-17	0	66	+847	+0,02	-0,04	-0,01	+38	+26	+38	+198	+6	-18	44	+359	99	104	104	100	103	102	68	100	104	106	100	104	
CRV	US 3010086798	Kp-Ack Strategy	Altastratify	Altaembassy	GfW	62	+142	-18	0	69	+465	+0,39	+0,01	-0,08	+56	+17	+14	+192	-17	+12	57	+310	103	103	102	104	104	101	101	71	101	104	103	98	101
Sem	CA 12478052	Vogue Never Again PP	Calbrett Sifter	Capital Gain	IGfW	55	+142	+23	0	61	+752	+0,07	-0,12	+0,00	+39	+15	+34	+154	+30	-25	41	+223	106	105	98	99	102	99	67	100	102	109	99	105	
ABS	US 3127565629	Clear-Echo Ackerly	Alltime	Montross	IGfW	56	+142	-4	0	64	+228	+0,31	+0,01	+0,00	+38	+9	+10	+120	-10	-5	41	+422	107	104	104	100	100	100	67	101	103	108	95	102	
Alt	US 3136264477	Oakfield Altasergento	Ocd Tango Ser	Supersire	IGfW	54	+141	-8	0	61	+1284	-0,17	-0,01	-0,01	+37	+44	+58	+276	+7	+10	41	+63	100	104	105	99	105	103	66	100	101	104	95	100	
Alt	US 3149334858	Peak Altajockey	Jedi	Modesty	IGfW	59	+141	-31	0	68	+1181	-0,20	-0,02	-0,01	+30	+39	+53	+239	-12	+0	46	+242	99	104	105	101	105	103	70	99	103	110	94	102	
GGI	DE 0539046100	Silence	Silver	Magenta	IGfW	70	+141	-35	0	78	+1700	-0,23	-0,32	-0,05	+48	+25	+72	+225	-23	+4	59	+357	99	101	102	97	103	105	100	72	100	100	109	100	105
Mas	DE 0359518546	Mirax P	Milford-P	Balisto	GfW	65	+141	+10	0	69	+47	+0,57	+0,31	-0,01	+48	+26	-3	+207	+17	-13	57	+199	101	103	101	101	99	102	104	72	101	103	107	99	104
Mas	DE 0358965029	Donpepe	Dolph	Galaxy	GfW	64	+141	+7	0	69	+287	+0,40	+0,12	-0,11	+49	+21	+3	+190	+9	+16	56	+207	102	102	105	100	105	103	103	71	98	100	103	100	101
GGI	DE 0358475737	Shot P	Supershot	Earnhardt P	IGfW	71	+141	-2	0	78	+1495	-0,56	-0,21	+0,09	+6	+30	+78	+159	+28	+15	59	+407	102	104	103	101	102	97	102	72	95	103	104	97	99
Sem	CA 12731118	Claynook Dupont	Fortune	Monterey	IGfW	54	+141	-14	0	62	+517	+0,08	+0,00	-0,01	+29	+18	+23	+142	+3	-41	39	+316	104	105	105	101	103	99	65	100	104	113	96	105	
CRV	NL 735055526	Delta Referee	Placid	Atlantic	GfW	65	+141	-4	0	69	+70	+0,31	+0,11	-0,06	+31	+12	-2	+114	+2	-65	58	+343	105	103	100	97	103	98	105	72	107	104	107	104	109
Sem	CA 12608974	Progenesis Diabolo	Willsbro Abbott	Bombero	IGfW	55	+140	-6	0	63	+793	+0,19	+0,00	+0,00	+52	+28	+36	+235	+0	-25	41	+379	104	99	104	103	100	100	67	101	102	113	94	104	
Tot	NL 754297572	JK Eder Dg Serac	Chevalier	Tango	IGfW	60	+140	-7	0	68	+1158	-0,04	-0,12	-0,01	+45	+28	+52	+225	+14	-17	47	+298	104	99	106	101	104	100	69	102	103	108	98	104	
Kam	NL 625042393	De Vlog Elmar	Basta	Titanium	GfW	62	+140	-3	0	69	+933	-0,09	+0,00	+0,04	+31	+22	+47	+210	+4	-52	58	+360	104	97	105	101	101	104	100	72	102	103	105	106	107
WWS	CA 109890137	Swissbec Sammy-P	Jedi	Mardi Gras	IGfW	59	+140	+10	0	67	+651	+0,09	+0,01	-0,01	+36	+24	+29	+183	+14	-48	46	+305	103	106	102	105	102	100	69	102	104	111	94	104	
GGI	DE 0122048858	Detective	Dolph	Chevrolet	GfW	65	+140	-12	0	69	+650	-0,09	-0,04	-0,04	+19	+19	+26	+182	-8	+1	56	+342	102	103	103	97	101	98	103	71	102	102	107	102	106
ABS	US 3138817643	Welcome Kingston	Modesty	Bombero	IGfW	57	+140	+8	0	66	+756	-0,01	-0,15	-0,01	+31	+12	+34	+125	-6	+8	44	+309	103	105	105	102	105	100	69	98	101	109	98	103	
CRV	NL 585920601	Delta Dairyman	Whatsapp Rf	Stellando Rf	GfW	68	+140	-3	0	69	+31	+0,06	+0,12	+0,09	+7	+12	+9	+67	-20	-9	62	+369	104	104	96	108	104	94	104	84	99	101	109	106	108
	US 3137839125	Genosource Jspr Reino	Josuper	Montross	IGfW	62	+139	+1	0	70	+1667	-0,31	-0,15	+0,00	+38	+42	+76	+275	+8	-43	49	+273	102	101	104	106	101	104	71	102	103	105	96	102	
Alt	NL 734691918	Koepoon Altapaco	Supersire	Doorman	IGfW	63	+139	-16	0	71	+715	+0,17	+0,07	-0,01	+44	+32	+32	+240	-28	-39	52	+281	102	102	107	101	106	97	72	102	105	105	96	102	
STG	US 3126776438	Edg Delta-Baylor	Mr Mogul Delta	Roylane Booke	IGfW	61	+139	-4	0	69	+1194	-0,07	-0,13	-0,01	+44	+29	+54	+228	+8	+13	47	+249	100	104	104	104	105	104	71	100	102	108	94	101	
Mas	DE 0358774630	Iceland	Icane	Epic	GfW	65	+139	-3	0	69	+779	+0,04	-0,04	+0,08	+37	+23	+43	+185	-1	-28	58	+518	102	101	100	100	102	104	100	72	99	105	110	99	105
Alt	US 3140616106	Sandy-Valley Altaemogi	Bandares	Pure	IGfW	57	+139	+1	0	65	+142	+0,17	+0,12	-0,01	+21	+16	+6	+112	-3	-25	43	+401	104	104	105	97	103	107	68	100	105	112	98	106	
Tot	NL 718879048	Caps Powerbul	Powerball P	Supersire	IGfW	69	+138	-5	0	78	+633	+0,31	+0,03	-0,01	+56	+25	+28	+229	-10	-25	61	+269	101	105	105	97	102	96	78	101	103	106	93	100	
Dek	FR 8574596866	Sources Jaunay Maestro	Jethro	Altaoak	GfW	63	+138	-10	0	68	+850	+0,07	+0,00	+0,04	+43	+30	+43	+226	-12	-65	54	+256	101	102	103	95	102	103	100	71	105	102	109	101	107
Tot	NL 707440686	R Dg Niels	Damaris	Número Uno	GfW	65	+138	-32	0	69	+639	+0,10	+0,04	-0,01	+37	+26	+28	+193	-26	-1	57	+374	102	102	105	102	101	100	102	71	99	103	107	95	101
	US 3132356929	Kings-Ransom H Skare	Hang-Time	Diamond	IGfW	55	+138	+9	0	63	+416	+0,37	+0,03	-0,01	+52	+17	+18	+184	+4	+8	41	+323	106	102	97	96	103	96	66	95	101	107	97	101	
Adv	BE 512450560	Delana Morrison	Montross	Altaiota	GfW	67	+138	-18	0	69	+1281	-0,30	-0,18	+0,11	+24	+26	+70	+178	-1	-33	66	+290	103	105	102	103	105	103	98	83	102	104	108	98	104
Alt	US 3129340935	Welcome Altareserve Et	Modesty	Reflector	IGfW	55	+138	-15	0	62	+964	-0,22	-0,09	+0,00	+19	+25	+44	+156	-8	-7	44	+277	101	102	107	101	104	106	67	101	101	110	102	107	
GGI	DE 0816321782	Baku	Battlecry	Boss	GfW	65	+138	-16	0	69	+253	+0,14	+0,13	-0,03	+1	+2	-14	+6	+4	-16	58	+381	105	110	101	98	105	96	99	72	98	103	110	100	107
	DE 0358774592	Bogota	Bolaro	Balisto	IGfW	60	+137	+1	0	69	+1992	-0,42	-0,07	-0,01	+39	+62	+90	+363	+19	-20	47	+175	98	95	104	101	101	102	69	103	101	107	101	105	
Sem	CA 12529248	Progenesis Midnight	Duke	Defender	IGfW	58	+137	-11	0	67	+1327	-0,03	+0,02	-0,01	+53	+48	+60	+326	-7	-45	45	+200	98	1											



Inet = 0,3\*kg lactose + 2,1\*kg vet + 4,1\*kg eiwit

NVI melkdoel = 0,4\*Inet + 0,08\*ivd + 4,7\*UGH + 6,3\*VRU + 1,8\*Uier + 3,6\*Beenwerk + 1,8\*GEB + 2,7\*KGH + 0,23\*BVK

NVI dubbeldoel = 0,35\*Inet + 0,09\*ivd + 5,2\*UGH + 5,2\*VRU + 5,2\*Uier + 6\*Beenwerk + 2\*GEB + 5,2\*VLI

Perspublicatie stierindexen Zwartbont genomisch zonder dochters

April 2020

Ki Stiernummer	Stiernaam	Erf-fa	Vader	M-vader	B N	Bt	NVI	+/-	dtrs	Bt	kgM	%V	%E	%L	kgV	kgE	kgL	INET	+/-	BVK	Bt	Lvd	Ugh	Vru	Gin	Geb	KA	MS	Kgh	Bt	F	T	U	B	Ext
Ai Bull number	Bull name	Her-fz	Sire	MGs	S N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	\$FCF	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T
<b>Melkdoel Zwart</b>																																			
Alt	US 3134835456	Butlerview Altatoken	Monterey	Montross	IGfw	58	+115	-16	0	65	+966	-0,14	-0,08	+0,00	+27	+26	+44	+177	-20	+10	47	+311	98	101	107	96	107	105	70	98	100	110	97	103	
	NL 869433250	Roel	Fun P	Fageno	Gfw	70	+115	n	0	78	+1248	-0,25	-0,23	+0,13	+28	+20	+70	+158	n	+25	64	+159	102	98	102	102	106	96	105	79	99	102	103	104	104
Tot	US 74564973	Plain-Knoll Maddox	Bayonet	Mogul	IGfw	61	+114	-6	0	69	+1405	-0,25	-0,10	+0,00	+34	+39	+64	+251	-14	+2	48	+278	95	102	100	98	103	106	70	100	102	105	98	102	
ABS	UK 58508970246	Hillhead Beech	Penmanship	Altaoak	IGfw	57	+113	-16	0	65	+1354	-0,13	-0,06	-0,01	+44	+41	+61	+279	-5	-16	43	+163	99	100	100	100	102	107	69	98	102	106	96	101	
Sem	CA 12571467	Claynook Fox	Willsbro Abbott	Supershot	IGfw	55	+113	-12	0	62	+1249	-0,20	-0,09	+0,00	+33	+34	+57	+226	-3	-39	42	+329	101	97	102	104	101	68	99	102	111	99	105		
CRV	US 3134407043	Peak Pirate	S-S-I Supersire	Tango	Gfw	61	+113	-9	0	68	+803	-0,11	-0,04	+0,02	+23	+24	+39	+158	+0	-70	56	+270	103	103	103	98	104	96	99	71	102	104	105	100	104
Kam	NL 587017006	Uenk Malawi	Magister	Maik	Gfw	62	+113	-14	0	69	+499	-0,15	+0,05	-0,01	+7	+22	+22	+112	-16	+7	57	+379	101	102	102	105	102	102	101	72	99	101	107	100	104
Sam	US 3128978000	Seagull-Bay Chr Elder	Charismatic	Balisto	IGfw	54	+113	-13	0	61	+6	+0,25	+0,01	+0,00	+22	+1	+0	+50	-34	+40	42	+481	104	102	105	104	102	64	90	99	105	99	109		
	DE 1404867470	Sha Meru	Missouri	Mogul	IGfw	59	+112	+29	0	69	+1686	-0,56	-0,22	-0,01	+13	+35	+76	+194	-12	+43	49	+148	99	101	102	100	103	72	93	97	106	99	100		
Sem	CA 12556108	Legend-Maker Victor	Kingpin	Liquid Gold	IGfw	62	+111	-19	0	69	+258	+0,11	+0,11	-0,01	+21	+19	+11	+125	-15	-48	48	+188	103	104	99	94	102	101	72	104	103	111	100	107	
STG	US 3138102883	Ri-Val-Re Mod Mccord P	Modesty	Chevrolet	IGfw	63	+111	-9	0	70	+140	+0,26	+0,00	+0,00	+29	+5	+6	+83	-4	+18	51	+191	101	102	109	100	100	106	72	96	100	112	101	106	
Dek	FR 5941776583	Lebest	Woodcrest Mo	Supersire	Gfw	65	+111	-6	0	69	-12	+0,14	+0,10	+0,01	+12	+8	+0	+58	-5	-35	57	+322	101	105	105	104	105	102	100	71	106	107	112	101	110
Tot	NL 653401058	De Volmer Lion	Missouri	Willpower	IGfw	63	+110	-25	0	72	+1768	-0,52	-0,28	-0,01	+20	+32	+80	+197	-2	+25	50	+287	101	97	104	100	99	99	73	93	98	107	99	101	
Tot	UK 38838040065	Willsbro Ss Magic	Silver	Windbrook	IGfw	71	+110	-9	0	78	+622	+0,01	-0,11	+0,02	+27	+11	+30	+111	-18	-24	60	+419	101	99	106	98	105	100	101	81	102	104	114	100	109
STG	US 3123252145	St Gen Modesty Laredo	Modesty	De-Su Altaleaf	IGfw	57	+109	-8	0	66	+1522	-0,28	-0,18	+0,00	+36	+34	+69	+236	-18	+23	44	+59	97	101	104	104	107	69	95	100	105	99	101		
Mas	DE 0122525263	Eastwood	Eclair	Defender	Gfw	65	+109	-7	0	69	+174	+0,12	+0,07	+0,01	+18	+12	+9	+90	-9	-49	57	+257	99	105	103	104	104	105	103	72	101	103	113	100	108
Sem	CH 12014361874	Claynook Barolo	Sidekick	Boldi Andre	IGfw	52	+108	n	0	59	+851	+0,26	-0,03	-0,01	+61	+27	+38	+250	n	-35	38	+146	105	95	99	98	104	64	101	102	116	96	107		
CRV	US 3014562186	Sandy-Valley Caleb	Jedi	Supersire	Gfw	63	+108	-10	0	69	+1297	-0,33	-0,01	+0,05	+22	+44	+64	+246	-4	-69	58	+262	101	100	104	99	106	103	98	72	101	103	109	95	103
Tot	US 3136887577	Aot Fs Halloween	Flagship	Supersire	IGfw	59	+108	-7	0	67	+928	+0,17	-0,11	+0,00	+56	+22	+42	+220	-19	+31	46	+134	100	104	104	105	106	99	70	96	99	105	89	95	
	CZ 053745754	Ostretin Ulsan	Main Event	Supersire	IGfw	58	+108	-2	0	67	+804	+0,03	-0,08	-0,01	+37	+20	+36	+171	-7	-39	46	+174	100	105	103	103	103	68	104	105	101	99	102		
OBS	DE 0359270967	Jetson	Jetset	Brekem	Gfw	67	+108	-10	0	69	+273	-0,06	+0,24	+0,04	+6	+31	+16	+145	+1	-47	59	+370	101	98	100	101	107	98	103	72	104	103	111	103	109
WWS	US 3136246981	Holyland Simplicity-P	Modesty	Pine-Tree Relie	IGfw	62	+108	-7	0	70	+801	+0,00	-0,14	-0,01	+34	+14	+36	+140	-7	+16	49	+213	101	100	106	98	99	102	72	98	100	109	100	104	
Mas	US 3131003460	Jazz	Modesty	Kingpin	Gfw	62	+108	-20	0	69	+541	-0,06	-0,05	+0,11	+17	+14	+35	+104	-53	-57	57	+253	104	103	107	100	103	104	98	72	104	106	110	99	107
Sam	CA 12111806	Mapel Wood Silverback	Silver	Supersire	IGfw	60	+107	-22	0	69	+487	+0,05	-0,03	+0,00	+25	+14	+22	+117	-7	+45	50	+215	101	103	104	104	107	65	94	99	107	97	100		
CRV	NL 622692582	Visstein K&i Pablo	Placid	Big Point	Gfw	65	+106	-14	0	69	+479	+0,37	+0,11	-0,03	+55	+27	+19	+232	+9	-31	58	+203	100	98	104	98	100	100	102	72	104	101	102	100	102
Kam	NL 724915581	Willem's-Hoeve Nudan	Penley	Sudan	Gfw	64	+106	+2	0	69	+1541	-0,42	-0,15	-0,01	+22	+38	+69	+223	-4	-15	59	+296	105	98	93	97	102	103	98	72	106	104	106	98	105
Sam	CA 12470245	Lindenright History	Doberman	Capital Gain	IGfw	60	+106	-15	0	68	+1187	-0,36	-0,14	+0,00	+14	+27	+54	+156	-7	-28	47	+243	106	99	99	102	102	73	102	103	114	96	106		
Tot	NL 734692276	Koepon Villi	Doorsopen	Tango	IGfw	58	+106	+2	0	67	+341	+0,22	+0,03	-0,01	+35	+15	+15	+140	+17	-14	45	+216	106	99	103	98	103	98	68	99	101	107	99	103	
Mas	US 3129038032	Powerman P Et	Powerball P	Supersire	Gfw	62	+106	-36	0	69	+442	-0,19	-0,01	+0,08	+1	+14	+28	+68	-12	-31	58	+366	105	103	107	101	100	95	100	72	99	103	109	96	103
Gex	US 3137794564	Highberransom Samsung	Modesty	Belair	IGfw	57	+105	-25	0	65	-131	+0,74	+0,19	+0,01	+59	+12	-5	+172	-12	+43	44	+188	99	102	102	102	103	67	93	98	106	97	99		
Sem	CA 109890165	Swissbec Whisk P	Jedi	Mardi Gras	IGfw	63	+104	+1	0	72	+1256	-0,34	-0,20	+0,00	+19	+24	+57	+155	+3	-40	49	+264	101	104	101	101	104	103	74	102	105	113	93	105	
Sem	IT 17991786510	Villy Silvio	Willsbro Abbott	Doorman	IGfw	55	+104	+4	0	63	-279	+0,57	+0,11	+0,01	+37	+0	-12	+74	-4	-16	41	+358	103	101	103	102	101	99	67	100	101	115	99	108	
CRV	CZ 774646053	Stounpice Zinar	Jedi	Rocky	IGfw	28	+103	+1	0	52	+1134	+0,13	-0,08	-0,01	+61	+31	+51	+271	+17	-23															
Mas	US 3137164748	Emperor	Day	Gfw	62	+103	-29	0	69	+1306	-0,37	-0,15	+0,06	+18	+30	+66	+181	-2	-23	58	+299	102	100	102	95	104	104	99	72	99	103	111	95	103	
Viv	DE 0359270959	Beethoven	Bellrabi	Balisto	IGfw	61	+102	-31	0	71	+391	+0,20	+0,17	-0,01	+35	+29	+17	+198	+4	-25	47	+281	100	99	99	96	100	103	72	103	102	110	99	106	
Sam	US 3137916770	Ocd Kings Reserve	Modesty	Kingboy	IGfw	58	+102	-4	0	66	+136	+0,28	+0,07	+0,00	+31	+11	+6	+112	+9	+1	45	+214	101	101	106	102	101	104	69	98	101	108	101	104	
Adv	NL 895144845	Willie Rolex	Rubicon	Snowman	Gfw	66	+101	+1	0	69	+835	-0,05	-0,06	-0,																					