

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

NVImelkdoel = 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
NVIdubbeldoel = 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

Augustus 2020

Ki	Stiernummer	Stiernaam	Erf-fact	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-fact	Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	KgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T																												
Melkdoel Zwart											Productie											€											€											Functie											Exterieur										
CRV	NL 605074718	Delta Endless Rf	RF	Jacuzzi	Finder	Gfw		63	+353	n	0	69	+1319	+0.64	+0.17	+0.10	+121	+63	+70	+533	n	+41	53	+592	105	100	107	103	99	101	106	70	103	101	105	106	107																												
Mas	DE 0361838685	Rioaveso		Ocd Franchise	Bandares	Gfw		63	+351	-20	0	70	+1847	+0.04	+0.01	+0.01	+83	+65	+85	+466	-29	-3	51	+716	107	105	105	103	103	98	104	70	100	105	107	103	106																												
CRV	US 3205149655	Bush-Bros Fragrant		Altacabot	Frazzled	Gfw		59	+343	+128	0	68	+1156	+0.46	+0.16	-0.02	+95	+56	+51	+444	+105	+25	51	+693	108	104	108	104	105	97	102	69	99	104	110	101	106																												
Tot	DE 0540415190	Dg Dv Simax		Imax	Jedi	Gfw		65	+333	-1	0	71	+1635	+0.12	-0.03	-0.03	+82	+54	+72	+415	-21	+15	53	+852	105	105	106	103	103	100	105	71	103	103	109	100	106																												
CRV	NL 590838612	Delta Track		Skywalker	Esperanto	Gfw		63	+330	+45	0	69	+1972	-0.36	+0.04	+0.05	+45	+73	+96	+423	-17	-16	52	+618	105	108	109	106	104	99	102	70	100	102	107	102	105																												
CRV	NL 916132992	Delta Nippon P	PO	Hotspot P	Bernell	Gfw		63	+330	+5	0	69	+943	+0.12	+0.28	-0.07	+52	+60	+36	+366	+2	+4	52	+496	105	109	109	106	103	104	104	69	101	104	114	103	110																												
K&L	DK 6975000190	Vh Baboon		Benz	Barclay	Gfw		61	+329	+1	0	70	+2336	-0.13	+0.04	+0.02	+85	+86	+109	+564	-7	+42	52	+565	103	103	104	106	105	105	103	69	98	97	102	99	99																												
	DK 260586	Holani P		Hotspot P	Seagull-Bay Sil	Gfw		63	+328	+105	0	69	+2166	-0.20	-0.02	+0.03	+70	+73	+102	+477	+98	+56	52	+619	102	106	105	102	106	108	108	101	70	95	98	113	98	104																											
CRV	NL 661388310	Delta New Star		Deliver	Inductor	Gfw		63	+327	n	0	69	+1921	-0.25	+0.00	+0.12	+55	+67	+101	+421	n	+9	52	+687	107	105	105	107	102	106	103	69	100	100	105	103	104																												
Tot	NL 626251510	Dg Eagle		Imax	Montross	Gfw		65	+326	+19	0	71	+2172	+0.09	-0.04	-0.02	+102	+71	+97	+534	+9	+43	54	+544	102	106	105	103	104	97	101	71	99	101	106	97	101																												
CRV	NL 899567419	Delta Barok P	PO	Builder P	Jupiler	Gfw		63	+326	n	0	69	+2320	-0.16	-0.04	+0.04	+81	+76	+110	+515	n	-16	52	+487	104	104	103	101	101	103	107	70	102	103	103	103	104																												
CRV	NL 678449129	Delta Eloy	RF	Jacuzzi	Finder	Gfw		63	+326	+13	0	69	+1055	+0.46	+0.13	+0.07	+90	+50	+55	+411	+4	+8	53	+540	106	104	105	98	100	99	104	70	102	103	108	108	110																												
Mas	DE 0540499486	Genesland Bellroy		Benz	Finder	Gfw		63	+321	+0	0	70	+1358	+0.01	+0.18	+0.10	+59	+66	+72	+416	+2	+7	52	+550	106	107	103	106	104	99	103	70	99	103	109	102	106																												
	BE 00001894109	Offspring-Et V H Zomerbloemhof		Bomaz Skywall	Cyrano	Gfw		63	+320	n	0	69	+1625	+0.20	+0.01	-0.01	+90	+58	+73	+449	n	+33	51	+529	105	103	104	101	104	104	103	70	101	102	112	103	109																												
CRV	NL 620605386	Delta Ribbon		Louxor	Jol	Gfw		63	+319	-17	0	72	+1484	+0.03	+0.11	-0.04	+66	+63	+64	+416	-37	+39	55	+720	108	105	102	102	105	97	103	73	98	100	103	100	101																												
	DE 1405898775	Richmond		Ocd Franchise	Aurora Moritz 3	Gfw		63	+319	+11	0	70	+1353	-0.02	-0.11	-0.04	+55	+36	+58	+281	-1	-4	51	+676	107	111	111	111	103	94	107	70	101	103	105	101	104																												
Tot	DE 0540362468	Calvin		Casino	Finder	Gfw		63	+317	+11	0	69	+2251	-0.20	-0.08	-0.01	+73	+70	+102	+471	-1	+7	52	+583	102	104	106	108	102	103	105	70	97	101	104	104	103																												
Mas	NL 588627231	Hul-Stein Crownmax		Imax	Profit	Gfw		65	+317	+2	0	71	+1588	+0.25	+0.00	-0.01	+93	+55	+71	+442	+2	+33	53	+753	104	103	104	102	99	99	105	71	98	103	108	100	104																												
CRV	NL 695054560	Delta Craftsman		Benz	Topgear	Gfw		64	+317	-9	0	71	+1621	-0.03	+0.09	-0.01	+66	+66	+73	+431	+0	-9	53	+570	108	105	104	100	103	101	105	70	101	103	104	101	103																												
K&L	DE 0360940341	Vh Kalif		Keith	Barclay	Gfw		60	+317	+8	0	69	+1220	+0.22	+0.15	+0.00	+74	+58	+56	+410	-1	-6	52	+838	106	102	104	102	107	102	102	69	101	103	113	103	109																												
	DE 0540695931	Ladys-Manor Ruw Hardy		Pine-Tree Rage	Welcome Lege	Gfw		62	+317	+1	0	68	+1025	+0.42	+0.16	+0.03	+85	+51	+50	+403	-11	+65	51	+628	101	107	104	105	105	104	103	69	92	98	113	101	105																												
Tot	DE 0540682571	Gen Rave		Ocd Franchise	Finder	Gfw		64	+317	+2	0	70	+724	+0.48	+0.20	+0.02	+77	+44	+35	+353	-3	+10	52	+568	108	108	107	105	102	93	103	71	97	105	107	102	105																												
	ES 2704831949	Campolongo Padawan Pingus Et		Progenesis Par	Dg Charley	Gfw		60	+314	n	0	69	+2282	-0.24	-0.02	+0.06	+70	+77	+111	+496	n	-12	52	+575	105	107	102	100	104	98	103	70	103	105	102	97	101																												
STG	US 3147118734	Genosource Captain		Charl	Farnear Tango	IGfw		58	+313	+4	0	68	+1894	+0.23	-0.04	+0.00	+105	+62	+86	+501	-8	+49	42	+472	103	105	104	103	103	104		69	95	98	106	100	101																												
CRV	NL 673698942	Delta Tornado		Skywalker	Esperanto	Gfw		63	+313	n	0	69	+1975	-0.28	+0.01	+0.03	+53	+70	+93	+426	n	+7	52	+491	103	106	109	107	103	104	103	70	101	103	108	103	107																												
	FR 8501201687	Owindmill		Westcoast Win	Balticum	Gfw		63	+312	+29	0	71	+1522	+0.34	+0.10	-0.06	+100	+63	+63	+487	+17	+37	54	+480	107	101	105	108	102	97	102	71	98	100	113	98	105																												
Mas	DE 0361676717	Matano P	PO	Match P	S-S-I 1stclas F	Gfw		59	+311	-8	0	69	+1769	-0.09	-0.05	+0.11	+66	+56	+92	+396	-10	+34	51	+657	102	107	107	103	106	103	103	69	98	103	108	101	105																												
CRV	BE 418630184	Delta Lawrence		Trust	Barclay	Gfw		63	+311	-1	0	69	+1530	-0.17	+0.07	+0.04	+47	+60	+74	+367	-8	+53	53	+703	104	103	103	102	101	101	106	70	97	100	110	105	107																												
CRV	BE 214267909	Delta Indian		Hotspot P	Finder	Gfw		64	+310	n	0	70	+1330	+0.03	+0.15	+0.05	+59	+62	+66	+398	n	-4	53	+516	103	106	109	104	103	101	103	70	100	103	111	104	108																												
Toe	NL 588791790	Hul-Stein Sauna Pp Rf	RF PO	Jacuzzi	Apoll P	Gfw		63	+309	n	0	69	+1076	+0.68	+0.31	+0.07	+113	+68	+56	+533	n	+66	53	+507	105	99	103	102	99	96	101	70	93	96	108	100	102																												
GGI	DE 0667337098	Best Benz		Benz	Damaris	Gfw		63	+308	-15	0	70	+1864	-0.21	+0.02	+0.10	+57	+67	+96	+423	-23	+46	52	+637	103	105	104	102	103	104	103	69	95	100	107	101	103																												

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

NVImelkdoel = 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
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLI

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Ki	Stiernummer	Stiernaam	Erf-fact	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-fact	Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	KgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T						
Melkdoel Zwart											pnt	Productie										€	€	Functioneel										Exterieur									
	DE 0362097635	Genius		Gywer	Trend	Gfw		63	+292	n	0	69	+2459	-0,35	-0,18	+0,05	+65	+65	+118	+438	n	-19	51	+605	104	103	100	102	104	104	103	69	106	104	115	100	110						
	DK 3200304141	Ben-Louis		S-S-I Franchise	De-Su 12109 B	Gfw		63	+292	-8	0	70	+1851	-0,03	-0,06	+0,07	+75	+58	+92	+423	-17	+39	52	+602	104	105	98	103	105	102	101	69	99	98	111	99	105						
	NL 627328264	Lato K&I Cs Storm		Casino	Bouw Finder	Gfw		64	+292	+18	0	70	+1116	+0,43	+0,11	+0,03	+90	+50	+54	+410	-8	+22	53	+551	104	105	110	108	104	101	104	70	97	100	102	99	100						
	DE 0361913231	Babalou		Bali	Superhero	IGfw		58	+292	n	0	65	+1402	-0,10	-0,10	+0,00	+49	+39	+64	+282	n	+8	45	+777	112	107	105	106	102	96	68	91	101	107	98	100							
	DK 260718	Tirsvad Hotspot Geyser		Hotspot P	Sniper	IGfw		60	+292	-15	0	68	+1148	-0,25	-0,02	+0,00	+24	+38	+52	+222	-5	-16	46	+922	110	108	109	103	101	97	70	95	104	113	99	105							
Mas	DE 0361346243	Wkm Gates		Gywer	Westcoast Ken Gfw			63	+291	n	0	69	+2160	-0,15	-0,02	+0,03	+75	+73	+102	+487	n	-28	51	+677	103	103	99	95	102	100	101	69	102	102	108	100	105						
	DE 0361723698	Gendry		Garido	Superhero	Gfw		62	+291	n	0	69	+2172	-0,24	-0,07	+0,00	+66	+68	+99	+447	n	+7	51	+520	104	103	105	101	101	95	101	69	95	103	107	102	104						
	DE 1405865798	Hotfiv P		Hotspot P	Progenesis Lig	Gfw		62	+291	-3	0	68	+1079	+0,06	+0,11	+0,00	+52	+48	+49	+321	-13	+84	51	+616	101	106	112	109	104	107	103	69	94	97	106	103	103						
GGI	US 3142332606	Scorpion		Pine-Tree Wildi	Bandares	Gfw		63	+290	-4	0	70	+1199	+0,28	+0,18	+0,07	+79	+60	+62	+431	-5	-10	51	+533	101	104	106	99	105	102	103	69	101	103	110	103	108						
CRV	US 3147840216	Peak Remington		Altareserve	Altaspring	Gfw		61	+290	+10	0	70	+1149	+0,16	+0,13	-0,01	+65	+53	+51	+369	-10	-17	52	+557	102	107	106	99	105	102	104	70	106	106	111	102	110						
	DE 1305720684	Wunder		Westcoast Win	Westenrade Ali	Gfw		66	+290	+31	0	71	+1245	-0,13	+0,13	-0,03	+40	+56	+54	+330	+8	+14	55	+572	107	106	104	102	98	96	105	71	98	104	106	102	104						
CRV	NL 665667174	Delta Floris		Empire	Reflector	Gfw		66	+290	-7	0	71	+648	+0,37	+0,09	+0,04	+63	+31	+33	+269	-20	+7	56	+668	104	105	106	109	103	100	106	72	103	100	110	109	111						
Tot	US 3146638498	Adaway Rio 2183		Ocd Franchise	Helix	Gfw		63	+289	-6	0	70	+2667	-0,32	-0,15	+0,02	+76	+75	+124	+504	-4	-16	51	+459	104	104	107	108	104	103	102	70	101	105	104	96	101						
CRV	NL 753556472	Delta Castor		Barclay	Atlantic	Gfw		67	+289	+14	0	72	+1513	-0,10	+0,18	-0,04	+54	+71	+65	+424	+6	-26	59	+515	104	104	105	99	104	102	107	72	101	100	105	101	103						
CRV	BE 313114634	Delta Magnet		Galore	Titanium	Gfw		65	+289	+3	0	72	+2228	-0,47	-0,10	+0,03	+43	+67	+105	+397	-2	+4	59	+561	105	103	104	102	101	97	103	72	96	100	107	104	105						
	DE 0770731047	Willem's Hoeve K&I Ruw Livesto		Lightstar	Delta Concert	Gfw		63	+289	-11	0	69	+963	+0,58	+0,10	-0,07	+98	+43	+37	+393	-16	+19	52	+483	105	105	102	100	102	101	103	70	100	101	108	102	105						
	CRV	NL 666841779	Delta Epsilon		Sunfit P	Topgear	Gfw		63	+289	+5	0	69	+1506	+0,06	+0,02	+0,09	+70	+54	+78	+392	-16	-11	53	+643	105	98	106	100	100	99	106	70	98	102	109	108	109					
OBS	FR 5502564729	Puggy		Nairway	Drakkar Lockst	Gfw		59	+289	n	0	69	+1339	+0,07	+0,10	+0,02	+64	+57	+63	+387	n	-5	51	+651	108	103	103	100	101	95	102	69	102	102	107	101	105						
	DE 0360175040	Royce		Roxy B	Supershot	Gfw		66	+289	-5	0	71	+1672	-0,24	-0,13	+0,06	+46	+44	+83	+302	-22	+55	55	+708	107	105	103	107	105	101	102	71	92	98	115	99	105						
	DE 0770807459	Ghh Hedge Pp		Hotspot P	Barclay	Gfw		63	+288	-8	0	69	+1462	+0,03	+0,19	-0,03	+65	+70	+64	+443	-17	+20	52	+598	103	103	105	104	105	105	102	69	100	102	110	98	105						
	FR 4421704281	Perfect		Hotspot P	Bacon-Hill Man	Gfw		63	+288	-2	0	69	+1359	-0,01	+0,17	+0,03	+57	+65	+65	+406	-20	-14	51	+669	106	105	101	103	102	102	101	69	100	104	112	97	105						
CRV	DK 3200304180	Capitano		Matcrest Bandr	De-Su 12109 B	Gfw		63	+288	+22	0	69	+1792	-0,17	-0,06	+0,03	+58	+56	+85	+377	+68	-43	52	+711	106	105	105	103	105	100	102	70	104	105	109	100	107						
	NL 642350802	Delta Sandman		Magnet	Bandares	Gfw		63	+288	n	0	69	+1498	-0,11	+0,03	+0,03	+52	+55	+71	+356	n	+28	52	+607	103	105	104	102	100	102	104	70	95	98	105	105	104						
	FR 2939812989	Petton Peps		Hotspot P	Louxor	Gfw		63	+287	-15	0	69	+2254	+0,07	+0,01	+0,04	+103	+79	+107	+572	+7	+38	51	+357	102	99	102	99	104	103	102	69	102	101	107	99	104						
	DE 0361214538	Weh Promotion		Progenesis Prox	Westcoast Ken Gfw			60	+287	+8	0	69	+2193	-0,05	-0,13	+0,00	+88	+62	+100	+469	+5	+5	51	+620	105	101	105	98	102	103	99	69	101	103	107	100	104						
	NL 642074306	K&I C S Chapter		Casino	Westcoast Ken Gfw			63	+287	+35	0	69	+1356	+0,10	+0,09	+0,05	+68	+56	+67	+393	+7	+31	51	+572	103	103	108	103	104	100	103	69	98	99	112	100	106						
Mas	DE 1504375690	SI Hickstead		Hotspot P	Burano	Gfw		63	+287	+21	0	69	+1622	-0,16	+0,07	-0,03	+52	+64	+71	+393	+9	+33	51	+558	104	105	108	106	99	104	100	69	97	99	109	99	103						
	NL 715952290	Topstone		Altatopshot	Rubicon	Gfw		66	+287	+13	0	71	+1790	-0,11	-0,08	+0,04	+64	+54	+86	+382	+15	-3	56	+551	102	107	105	99	101	99	106	72	102	103	107	100	105						
	DK 259805	Gigastar		Boldi V Gymna	Seagull-Bay Sil	Gfw		65	+287	+41	0	71	+1988	-0,35	-0,13	+0,05	+46	+55	+96	+351	+24	-42	56	+706	104	106	103	101	107	109	104	72	101	106	111	102	108						
	US 3133032627	Besttime		S-S-I Franchise	S-S-I Headway	Gfw		63	+286	-18	0	70	+1417	+0,01	+0,03	+0,06	+61	+52	+71	+363	-10	-4	51	+459	104	107	108	104	102	101	103	69	101	103	111	100	107						
	BE 00081405689	Lumen		Delta Beacher	Delta Magister	Gfw		63	+286	n	0	69	+1237	-0,03	+0,15	-0,01	+49	+58	+55	+357	n	+1	53	+521	105	106	106	109	103	99	100	70	101	102	108	104	107						
	DE 0770873766	Lumen		Bali	Endco Superhe	Gfw		63	+286	n	0	69	+1237	+0,10	+0,03	-0,05	+63	+46	+51	+336	n	+18	51	+723	105	102	105	102	105	103	106	69	98	103	110	103	107						
Dek	FR 5368780749	Aunay Bougrie Dkr Open		Imax	Altasuperstar	Gfw		65	+285	+17	0	71	+1510	+0,24	+0,01	-0,03	+89	+54	+66	+428	+13	+43	53	+510	102	103	108	104	101	105	103	71	102	102	109	99	105						
	DE 0361913069	Skydoc		Bornaz Skywalk	Endco Superhe	Gfw		60	+285	n	0	69	+2326	-0,44	-0,12	+0,06	+50	+67	+113	+414	n	+52	52	+472	102	105	111	104	105	104	102	69	96	1									

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

NVImelkdoel = 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
NVIdubbeldoel = 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

Augustus 2020

Ki	Stiernummer	Stiernaam	Erf-fact	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-fact	Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	KgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T						
Melkdoel Zwart											pnt	Productie										€	€	Functioneel										Exterieur									
	DK 3200304338	Kaergaard Soundcloud Key		Westcoast Sou	Boldi V Gymna	Gfw		62	+280	n	0	69	+1747	-0.09	-0.07	-0.05	+65	+53	+74	+376	n	-29	51	+750	106	103	100	100	102	95	102	69	100	102	111	101	107						
	FR 3511872727	Poulidor		Newstar	Baldur	Gfw		63	+280	+8	0	69	+996	+0.19	+0.15	+0.02	+61	+49	+47	+343	+6	-29	51	+537	105	106	103	104	104	99	102	69	101	102	117	101	110						
	DE 1504375809	Morricone		Mr Mastermind	Progenesis Lig	Gfw		62	+280	+30	0	68	+1227	-0.18	-0.07	+0.04	+34	+36	+60	+237	+55	+25	51	+668	103	111	104	103	106	101	103	69	93	101	113	101	105						
	DE 1262598996	Bender		Bali	Superhero	IGfw		52	+280	n	0	62	+788	+0.00	+0.03	-0.01	+33	+30	+35	+203	n	+7	39	+809	107	109	107	104	103	103	63	94	102	111	103	106							
	US 3203361412	Kings-Ransom Kindheart-Et		De-Su 14222 K	Melarry Josupe	Gfw		59	+279	+21	0	68	+1681	+0.07	+0.00	-0.02	+79	+58	+75	+426	+45	+29	51	+449	104	106	108	102	105	102	101	69	97	100	108	94	100						
	DE 0361912974	Skavi		Bomaz Skywall	Endco Superhe	Gfw		63	+279	+36	0	69	+2374	-0.43	-0.14	+0.02	+52	+67	+111	+417	+97	+26	52	+553	103	105	109	103	107	100	100	69	98	102	108	96	102						
	DE 0123775503	Giant Et		Gywer	S-S-I 1stclas	F Gfw		62	+279	+17	0	69	+2500	-0.54	-0.17	+0.06	+45	+68	+121	+410	+8	+14	51	+597	103	106	102	105	103	102	101	68	102	102	107	98	104						
	US 3149934634	Plain-Knoll Lgcy Tribute-Et		Legacy	Blumenfeld Jec	IGfw		51	+279	n	0	59	+1857	-0.04	-0.10	-0.01	+75	+54	+84	+404	n	-1	36	+661	109	103	105	100		100	62	92	101	107	95	99							
	DE 1305539564	Gazebo		Gage	Josuper	Gfw		65	+279	+0	0	71	+1702	+0.08	-0.13	-0.02	+81	+46	+76	+382	-13	+75	55	+713	105	104	106	102	103	103	100	71	97	97	106	95	99						
	DE 0770668983	Backfield		S-S-I Franchise	Seagull-Bay Su	Gfw		64	+279	-1	0	70	+1507	-0.10	+0.02	+0.07	+54	+54	+76	+358	+3	+71	52	+530	105	105	105	102	104	104	103	70	92	96	111	96	101						
	DE 0361912840	Skyboy		Bomaz Skywall	Silverridge V I	Gfw		63	+279	+4	0	69	+941	+0.42	+0.08	+0.10	+81	+41	+53	+354	-22	+19	51	+515	105	107	108	105	107	107	99	69	99	103	111	98	105						
	CA 13483346	Peak Nexus		Altacabot	Frazzled	IGfw		52	+279	n	0	60	+1299	+0.08	-0.02	+0.00	+63	+43	+59	+326	n	-26	37	+658	106	106	108	103		101	63	100	104	108	102	106							
	DK 260640	Vh Bionic Bashful		Vh Tirsvad Batt	S-S-I Cashcoin	Gfw		60	+279	+7	0	69	+489	+0.55	+0.24	-0.06	+72	+39	+17	+316	-5	+25	51	+654	108	104	104	105	105	102	97	103	69	93	98	108	100	102					
CRV	NL 562602414	Delta Joskin P	RF PO	Handy P Rf	Silver	Gfw		66	+279	-17	0	71	+1352	-0.09	-0.03	+0.05	+48	+44	+67	+301	-27	+3	57	+684	104	105	104	100	104	105	107	72	98	105	111	102	107						
CRV	NL 641159099	Delta Developer	RF	Skippy	Esperanto	Gfw		63	+278	n	0	69	+476	+0.88	+0.46	-0.06	+102	+59	+16	+461	n	-39	53	+406	104	101	101	102	105	98	100	106	70	109	104	108	103	109					
Tot	DE 0361346181	Wkm Kenny		Keith	Superhero	Gfw		63	+278	+3	0	69	+1491	+0.08	+0.09	-0.01	+71	+61	+67	+419	+5	+27	52	+603	103	103	100	100	103	105	101	69	104	103	109	101	107						
	DE 0361239976	Tnp Canetti		Casino	Westcoast Ken	Gfw		63	+278	+24	0	69	+1831	-0.05	-0.10	+0.02	+72	+53	+86	+394	+7	+34	52	+606	103	103	107	97	105	103	101	69	98	100	111	99	105						
	DE 0540402386	Genesland Goodlife-Et		Gga Gordon	View-Home Da	Gfw		63	+278	+15	0	69	+1204	+0.16	+0.12	+0.02	+67	+54	+57	+379	+6	+25	52	+600	103	106	105	105	103	98	102	70	97	101	108	100	103						
K&L	DK 01054403121	Vh Bosman Bahrain		Vh Bosman	Vh Service Ser	Gfw		66	+278	+14	0	71	+1082	+0.10	+0.24	-0.13	+56	+61	+37	+379	+12	+36	57	+432	103	106	104	103	101	99	101	71	90	96	104	104	101						
	DE 0361296626	Cassiano-Et		Casino	Ronelee Midnic	Gfw		63	+278	-27	0	69	+979	+0.40	+0.11	+0.02	+81	+45	+47	+369	-7	+27	52	+614	105	103	104	103	102	97	104	69	96	99	106	101	102						
Adv	DE 0666847161	Grace Bonka		Big Point	Big Point	Gfw		67	+278	-5	0	72	+504	+0.38	+0.25	-0.02	+57	+41	+21	+294	+0	+72	58	+598	107	105	102	101	102	92	103	72	94	99	107	102	103						
	US 3143986627	Siemers Brave-Et		Timberlake	Siemers Trajec	IGfw		52	+277	-14	0	60	+2163	-0.13	-0.03	-0.01	+77	+72	+98	+486	-17	+8	37	+473	101	105	105	102		103	63	96	101	105	97	100							
	US 3210133071	Denovo 16562 Prosper-Et		Denovo 2800 F	Frazzled	IGfw		50	+277	n	0	57	+1526	+0.23	+0.07	-0.01	+89	+60	+69	+454	n	-2	37	+600	103	103	107	102		102	63	97	101	103	99	100							
	DK 260955	Vh Casino Crowell		Casino	Vh Hoeigaard t	Gfw		60	+277	n	0	69	+1295	-0.08	+0.16	+0.02	+47	+61	+61	+367	n	+74	51	+511	103	104	109	109	103	99	103	69	88	93	103	101	97						
	DE 1504375653	SI Bernay		S-S-I Franchise	Cogent Supers	Gfw		63	+277	+1	0	70	+1647	-0.28	+0.02	+0.04	+40	+59	+79	+350	-13	+8	52	+639	104	108	103	102	103	99	104	69	97	100	105	97	100						
	US 3204988540	Terra-Calroy Kingbird-Et		Solution	Outlast	IGfw		52	+277	-13	0	60	+1496	-0.04	-0.07	+0.00	+59	+45	+68	+329	-43	-28	37	+712	109	104	109	101		101	63	100	105	106	100	104							
	US 3205251413	S-S-I Bg Renegad Darnell-Et		Renegade	Rowdy	IGfw		52	+276	-16	0	60	+2174	-0.07	-0.08	+0.00	+85	+67	+99	+483	-22	-4	37	+527	103	104	104	104	94		101	63	98	101	103	97	100						
CRV	CZ 064089264	Rostyn Akela Delta		Barrage	Missouri	Gfw		61	+276	-3	0	69	+2254	-0.35	-0.05	-0.04	+57	+73	+99	+449	-13	-13	54	+422	104	104	105	101	98	93	102	70	100	102	102	101	102						
	US 3210133078	Denovo 16569 Paxtyn-Et		Denovo 2800 F	Frazzled	IGfw		50	+276	n	0	57	+1728	+0.15	-0.02	-0.01	+89	+58	+78	+448	n	-10	37	+578	103	103	109	99		104	63	98	102	106	98	102							
	DK 2468005724	Rzh Migel		I Pursuit	Superhero	IGfw		58	+276	n	0	65	+1368	+0.25	+0.06	+0.00	+84	+54	+62	+416	n	-13	45	+610	102	104	102	97	104	106	69	101	104	106	104	106							
	DE 0361614595	Rho Hotdog		Milktime	Rubi-Asp	IGfw		51	+276	n	0	61	+2235	-0.40	-0.22	+0.00	+51	+53	+102	+355	n	-48	38	+697	106	106	107	100	103	100	62	106	105	106	100	106							
	DE 0954501560	Rho Hotdog		Hotspot P	Stantons Adagi	Gfw		63	+276	+82	0	69	+610	+0.33	+0.29	+0.03	+57	+49	+31	+330	+67	+8	52	+574	103	104	106	104	103	107	107	69	99	104	111	102	107						
	US 3139112686	Yellow		Legacy	Superfly	IGfw		52	+276	n	0	60	+1312	+0.05	-0.03	-0.01	+61	+43	+59	+322	n	-4	37	+678	108	106	109	106		103	63	99	103	109	96	103							
	DE 0817167244	Yellow		Cal-Roy-Al Yod	Ocd Rodgers F	Gfw		63	+276																																		

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

NVImelkdoel = 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
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLI

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Ki	Stiernummer	Stiernaam	Erf-fact	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-fact	Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T					
Melkdoel Zwart										pnt	Productie										€	€	Functioneel										Exterieur									
STG	DE 0954858300	Cooper		Casino	Endco Superhe	Gfw		63	+272	+63	0	69	+1532	+0,05	+0,01	-0,04	+70	+54	+66	+388	+92	-14	51	+565	103	107	105	100	105	103	103	69	103	105	104	98	103	103				
	PL 5509473898			Braveness	Milton	Gfw		60	+272	n	0	69	+1084	+0,09	+0,16	+0,13	+55	+54	+62	+356	n	-13	51	+676	105	102	102	97	99	100	103	69	98	107	113	102	108					
	US 1346617607	Rosylane-Lic Murphy		Charl	Mr Mogul Delta	IGfw		58	+272	-14	0	68	+1689	+0,00	-0,17	+0,00	+72	+41	+77	+342	-7	+43	43	+575	103	104	108	104	106	107	107	70	93	99	108	103	104					
	CRV US 3209641351	Peak Upswing		I Pursuit	Duke	Gfw		60	+272	n	0	69	+1158	+0,26	-0,01	-0,01	+75	+39	+52	+333	n	+18	51	+691	103	104	107	101	104	104	103	69	103	104	111	100	107					
CRV	NL 719787292	Delta Prominent		Treasure	Laurent P Rf	Gfw		63	+272	+11	0	69	+955	+0,11	+0,12	-0,01	+51	+45	+43	+305	+12	-23	53	+509	105	106	110	107	103	99	105	70	102	105	104	104	106					
	FI 13351524			Stantons Vh Al	Vh Mol'ckelgra	IGfw		49	+272	n	0	56	+1271	-0,04	-0,02	+0,00	+50	+42	+58	+295	n	+13	40	+645	105	108	105	103	104	101	58	96	99	105	102	102						
	DE 1263624292	Keaton		Keith	Icone	Gfw		63	+271	-22	0	69	+2494	-0,33	-0,16	+0,05	+68	+69	+120	+462	-14	+2	52	+712	103	99	99	98	103	97	101	70	104	103	107	102	106					
	Mas DE 0361214527	Proximo		Prosperous	Kerrigan	Gfw		60	+271	-6	0	69	+1908	+0,00	-0,12	-0,08	+81	+53	+78	+411	-14	+40	51	+535	103	103	102	101	105	103	102	69	103	102	109	99	105					
CRV	US 1343701534	Stgen Betterment-Et		Altazarek	Achiever	IGfw		51	+271	n	0	59	+906	+0,36	+0,12	+0,00	+74	+43	+41	+344	n	-9	37	+616	108	106	105	103	102	102	63	96	103	107	97	101						
	FR 8501201725	Opala		Heidenskipster	Baltikum	Gfw		63	+271	+8	0	69	+952	+0,37	+0,09	-0,09	+77	+42	+35	+344	-13	-14	53	+604	107	106	104	100	104	100	101	70	104	103	112	96	106					
	US 3202157410	Ttm Legacy Shine-Et		Legacy	Achiever	IGfw		51	+271	n	0	59	+1014	+0,31	+0,01	+0,00	+74	+36	+46	+317	n	+1	37	+707	107	105	105	103	99	99	63	93	103	110	99	103						
	DE 1261455133	Marca Quickly		Malinus	View-Home Da	Gfw		62	+270	+2	0	71	+2644	-0,45	-0,13	+0,05	+60	+77	+126	+480	+5	+42	53	+517	103	100	99	95	100	94	102	71	97	97	105	100	101					
CRV	NL 929950910	Lowlands Miracle		Lunar	Finder	Gfw		63	+270	n	0	70	+1449	+0,09	+0,18	+0,02	+71	+69	+68	+452	n	-14	53	+482	103	101	106	106	103	100	101	70	106	105	107	102	107					
	DE 0361346000	Ravelin		Ocd Franchise	Westcoast Ken	Gfw		64	+270	-10	0	71	+2335	-0,38	-0,12	-0,02	+57	+68	+104	+430	-3	+40	52	+596	104	100	105	102	103	101	101	70	94	100	112	97	103					
	DE 0122629436	Totalpro Et		Progenesis Ligl	Seagull-Bay Sil	Gfw		63	+270	+2	0	69	+1746	-0,21	-0,05	-0,04	+52	+55	+76	+358	-8	+42	53	+557	103	104	110	104	105	104	103	70	92	97	108	98	100					
	Alt GI US 3147224052	Peak Altaleap		Quantum	Altaspring	IGfw		54	+270	+2	0	62	+1011	+0,15	+0,16	+0,00	+58	+51	+46	+345	+13	-19	40	+653	109	104	105	103	105	100	66	99	105	110	97	104						
CRV	DE 1305958528	Baleo		Benz	Azur	Gfw		64	+270	-7	0	70	+866	+0,04	+0,25	-0,01	+41	+54	+39	+319	+9	+16	51	+466	106	107	104	104	106	98	100	69	99	101	110	101	106					
	DK 259958			Gymnast	Silver	Gfw		65	+270	+47	0	71	+2877	+0,01	-0,01	+0,00	+56	+44	+59	+316	+16	+11	56	+549	103	108	103	100	102	101	102	72	98	100	112	100	106					
	NL 674924855	Delta Dundee		Waterloo	Final	Gfw		63	+270	+11	0	69	+532	+0,44	+0,23	+0,04	+64	+40	+28	+307	-3	-23	53	+512	106	105	105	106	102	100	106	70	97	103	105	105	105					
	DK 260560	Vh Tirsvad Avicii Answer		Avicii	De-Su 12109 B	Gfw		60	+270	+10	0	69	+1536	-0,30	-0,03	-0,03	+34	+50	+67	+297	+7	+25	52	+606	105	108	106	101	103	103	100	69	97	97	107	100	102					
Adv	US 3148280267	Aardema Expert-Et		I Pursuit	Reason	IGfw		49	+270	n	0	56	+1033	+0,03	+0,05	+0,00	+47	+41	+47	+281	n	-29	35	+663	107	107	107	97	107	106	62	98	103	112	100	106						
	NL 943741794	Ground Lake Invictus Supply		Imax	Supershot	Gfw		65	+269	+6	0	71	+2153	-0,17	-0,09	+0,01	+73	+65	+99	+450	-2	+22	54	+538	102	102	101	101	102	98	101	71	102	102	110	99	106					
	DE 1504507361	SI Grosso		Garido	Burano	IGfw		58	+269	n	0	66	+1904	-0,01	-0,05	-0,01	+81	+61	+86	+444	n	-24	44	+498	106	100	104	103	101	100	67	102	102	112	100	107						
	US 3203292403	T-Spruce Legacy Lift Off-Et		Legacy	Ocd Spring Sai	IGfw		51	+269	n	0	59	+1290	+0,28	+0,08	-0,01	+83	+55	+58	+409	n	+2	37	+523	103	106	105	96	106	106	63	96	103	107	97	101						
CRV	US 3205435951	Peak Perry-Et		Claynook Discj	Peak Hotline	Gfw		59	+269	+12	0	68	+2021	-0,14	-0,13	+0,03	+71	+56	+96	+408	+27	-43	51	+505	105	102	104	100	99	99	69	102	105	114	101	109						
	DE 0540968123	Gintonic Gh Konu Et		Gywer	Silky-Red	Gfw		62	+269	n	0	68	+1874	-0,10	-0,10	-0,02	+69	+54	+83	+391	n	-15	50	+620	106	103	98	105	100	94	102	68	98	102	110	100	105					
	US 3205436800	Fb Lillard		AltaRobert	Dynasty	Gfw		59	+269	-7	0	68	+1309	+0,12	+0,06	+0,05	+68	+52	+65	+376	-2	-21	50	+530	103	106	105	104	103	98	102	68	99	103	104	102	103					
	NL 608279688	K&l Yo Dragon		Cal-Roy-Al Yod	Board Et	Gfw		63	+269	+13	0	70	+1609	-0,08	-0,03	+0,07	+60	+53	+81	+368	-8	+20	52	+640	105	100	109	103	102	98	103	69	97	101	110	100	105					
GGI	DE 0540130080	Wildier Intro		Imax	Jedi	Gfw		65	+269	-2	0	71	+1089	+0,31	+0,08	+0,05	+77	+46	+55	+367	-4	+10	53	+537	101	106	105	102	103	106	104	71	98	103	110	99	105					
	DK 260952	Vh Felix Finkle		Felix	Progenesis Lig	Gfw		59	+269	n	0	68	+1288	+0,14	-0,03	-0,11	+69	+42	+48	+332	n	+4	50	+520	102	108	106	101	105	105	100	68	97	100	113	100	106					
	DE 0667199815	Acapulco Gracia Et		Avicii	Barley	Gfw		63	+269	+11	0	69	+1575	-0,24	-0,01	-0,05	+42	+54	+67	+330	+7	+39	52	+727	105	103	106	104	103	101	102	69	96	98	108	99	102					
	DE 0362072005	Glory Rdc		Gywer	Wa-Del Yoder l	Gfw		59	+269	n	0	69	+1576	-0,23	-0,03	+0,09	+43	+52	+81	+328	n	-1	51	+748	106	104	103	102	102	101	102	69	100	101	108	100	104					
CRV	UK 10075170345			Entity	Achiever	IGfw		50	+269	n	0	56	+1242	+0,17	-0,08	-0,01	+70	+35	+56	+307	n	-10	36	+653	108	107	107	104	98	98	62	97	104	105	98	101						
	DE 0540667203	Allegro		De Oosterhof C	Board Et	Gfw		64	+268	-16	0	70	+2029	-0,12	-0,06	-0,04	+73	+64	+88	+442	-76	+55	53	+462	103	102	104	101	103	99	102	70	97	98	103	99	100					
	DK 3372308791	Anderstrup Soundcloud Heroplus		Westcoast Sou	Endco Superhe	Gfw		62	+268	n	0	69																														

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

NVImelkdoel = 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
NVIdubbeldoel = 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

Augustus 2020

Ki	Stiernummer	Stiernaam	Erf-fact	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-fact	Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T						
Melkdoel Zwart											pnt	Productie										€	€	Functioneel										Exterieur									
GGI	DE 0122835602	Gigabyte		Gymnast	Silver	Gfw		65	+265	+15	0	71	+1604	-0.11	-0.02	+0.03	+57	+54	+76	+364	+21	-14	56	+567	103	104	103	101	103	97	102	72	105	103	111	102	109						
	DE 0361214517	Weh Shining		Soundcloud	Bandares	IGfw		57	+265	<i>n</i>	0	67	+1761	-0.07	-0.13	+0.00	+67	+48	+80	+362	<i>n</i>	-14	42	+552	107	104	101	99	103	101	102	67	98	103	109	101	105						
CRV	NL 605027433	Delta Shape PP	PP	Hotspot P	Finder	Gfw		64	+265	+26	0	70	+924	+0.36	+0.10	-0.02	+74	+42	+40	+340	+3	+33	53	+407	105	104	110	104	103	103	103	70	97	99	106	101	103						
	NL 682613637	Peak Anita Scotch 1363-Et		Westcoast Sco	Peak Hotline	Gfw		62	+265	+0	0	69	+1280	+0.18	-0.04	+0.14	+72	+40	+73	+337	+9	-10	52	+438	108	105	102	97	105	98	99	70	96	102	113	101	107						
CRV	NL 573352412	Lowlands Trust		Vh Stu	Vitesse	Gfw		66	+265	-8	0	71	+1689	-0.23	-0.06	+0.03	+47	+52	+80	+336	-17	+17	57	+565	106	102	104	102	99	98	101	72	102	101	107	105	107						
	DE 0361214620	Weh Paddock		Progenesis Par	Board Et	Gfw		60	+265	+78	0	69	+1103	-0.01	+0.14	+0.05	+46	+52	+55	+326	+70	-24	52	+644	105	107	104	104	104	99	103	70	101	103	109	97	104						
	DE 0361298280	Vh Benz Bourbon		S-S-I Franchise	Willsbro Abbott	Gfw		62	+265	-13	0	69	+665	+0.39	+0.22	-0.02	+65	+44	+28	+325	-5	+64	51	+545	103	104	105	105	103	107	104	69	91	98	108	101	102						
Tot	FR 1442242412	Lieu Thomain Baltazar		Dg Charley	Pepper	Gfw		66	+265	-6	0	71	+1260	+0.01	-0.06	+0.05	+54	+38	+63	+288	-13	+25	57	+527	108	103	108	102	101	97	104	72	92	100	105	103	102						
	US 3143986308	Siemers Renegade Rozline-Et		Renegade	Frazzled	IGfw		51	+264	-3	0	59	+1265	+0.58	+0.05	-0.01	+112	+49	+57	+453	+2	-38	36	+431	104	103	105	97		100	63	100	103	106	100	104							
	NL 608504814	K&I Oh Matty		Match P	Mr Salvatore	Gfw		63	+264	<i>n</i>	0	69	+1618	+0.14	+0.03	+0.05	+83	+59	+79	+440	<i>n</i>	+14	52	+489	104	101	102	100	108	102	101	69	97	104	110	99	104						
	DE 0540539060	Harley Alh Quimera Et		Hotspot P	Bouw Finder	Gfw		63	+264	+3	0	69	+1798	-0.13	+0.01	-0.01	+62	+64	+81	+417	-2	+47	52	+500	103	101	109	103	105	103	101	70	93	98	106	99	100						
43	NL 586897298	Peak Senator		Sound System	Rubicon	Gfw		65	+264	+5	0	71	+1900	+0.19	-0.22	+0.03	+101	+43	+90	+415	+21	-20	55	+496	103	101	103	100	101	103	103	71	102	103	110	103	108						
	DE 0953233501	Sepia		Semino	Larcrest Comm	Gfw		65	+264	-15	0	71	+847	+0.54	+0.24	-0.01	+88	+53	+38	+414	-5	-13	53	+631	104	99	101	96	104	107	105	71	98	101	111	101	106						
	FR 2928823654	Piwi Etl		Adlon P	Stantons Arche	Gfw		63	+264	+46	0	69	+1215	+0.23	+0.13	+0.01	+75	+55	+56	+400	+48	-17	51	+476	104	106	102	102	104	95	101	69	102	107	110	97	105						
	DE 1505011805	Hagos		Altahothand	Kerrigan	IGfw		54	+264	<i>n</i>	0	62	+1913	-0.12	-0.14	+0.00	+68	+51	+87	+378	<i>n</i>	+18	43	+522	106	101	105	99	103	99		63	99	99	109	102	105						
GGI	DE 0122835701	Sagun		Sharpe	Bolaro	Gfw		65	+264	+0	0	71	+1047	+0.29	+0.10	+0.06	+73	+46	+54	+358	-18	+56	53	+489	102	105	103	99	105	101	99	71	96	101	112	101	106						
	US 3206144957	Blumenfeld Renegad Ahead-Et		Renegade	Myles	IGfw		51	+264	+5	0	59	+747	+0.57	+0.15	+0.00	+86	+40	+34	+355	+4	-28	36	+539	104	106	104	96		101	63	104	104	108	102	107							
	DE 0361214577	Hogan Et		Hotspot P	Willsbro Kl Ecl	Gfw		63	+264	-2	0	69	+777	+0.32	+0.12	+0.03	+64	+39	+38	+306	-8	+34	52	+622	107	102	105	100	104	98	103	69	90	102	114	99	104						
GGI	DE 0122629481	Garido		Gymnast	Penley	Gfw		65	+263	+20	0	71	+1901	-0.03	-0.07	-0.01	+77	+59	+86	+429	+28	-4	55	+427	102	103	105	100	103	100	101	72	101	102	108	101	105						
	DK 2371403160	Herning P		Hotspot P	Dg Kingboy Sni	Gfw		62	+263	+0	0	69	+1588	-0.05	+0.07	+0.04	+62	+63	+77	+412	-13	+34	51	+672	103	99	105	104	103	104	104	69	102	104	111	97	105						
	CA 13567715	Progenesis Rhetoric		I Pursuit	Guarantee	IGfw		50	+263	<i>n</i>	0	57	+1944	-0.04	-0.13	-0.01	+78	+54	+88	+412	<i>n</i>	-3	37	+568	104	103	107	101		103	63	101	102	104	99	102							
	DK 260951	Vh Tirsvad Hotspot Heat Pp		Hotspot P	Vh Comxa P	Gfw		60	+263	<i>n</i>	0	69	+1361	-0.05	+0.14	+0.05	+53	+62	+67	+386	<i>n</i>	+42	51	+458	100	106	107	102	103	106	103	69	96	99	112	95	102						
	US 3204164987	Denovo 15749 Lightner-Et		Crimson	Frazzled	IGfw		52	+263	<i>n</i>	0	60	+1777	-0.07	-0.17	+0.00	+83	+44	+81	+379	<i>n</i>	+5	37	+683	106	102	106	99		100	63	94	102	102	100	100							
	CA 111184629	Maheufils Alphagen Art		Altamontoya	Franchise	IGfw		53	+263	+6	0	61	+1217	+0.17	+0.10	-0.01	+69	+52	+55	+375	+6	-34	39	+489	110	102	105	101		98	66	99	103	109	99	104							
	DE 0360940004	Gala		Co-Op Madron	Westenrade Al	Gfw		60	+263	+5	0	70	+1845	-0.20	-0.08	-0.04	+57	+56	+80	+373	-11	+64	52	+473	103	102	104	101	102	100	102	69	96	101	108	102	104						
	DE 0123048208	Elpaso		Edlock	De-Su 12109 B	Gfw		63	+263	-11	0	69	+1053	+0.45	+0.04	+0.03	+89	+41	+51	+370	-4	+58	52	+486	104	102	100	98	103	100	103	69	95	99	111	101	105						
	US 3204165337	Denovo 16099 Tacoma-Et		Crosby	Frazzled	IGfw		50	+263	<i>n</i>	0	57	+1482	+0.09	-0.04	-0.01	+72	+47	+67	+364	<i>n</i>	+8	38	+593	106	104	110	104		100	63	95	101	102	98	99	107						
CRV	US 3150687471	Pine-Tree Honeycomb		Altazarek	Prophesy	Gfw		59	+263	<i>n</i>	0	68	+1189	+0.30	+0.02	+0.03	+81	+43	+57	+364	<i>n</i>	+21	51	+533	103	104	106	103	105	102	102	69	98	102	110	99	104						
	DE 0360157987	Palast Rd		Pace Red	Sandy-Valley-I	Gfw		64	+263	+22	0	70	+1394	+0.04	+0.01	-0.05	+63	+50	+59	+355	-2	-8	52	+653	103	104	101	96	104	105	105	71	97	101	107	101	103						
	DE 1305983721	Rza Gento		Garido	Mr Salvatore	Gfw		62	+263	+24	0	69	+1274	+0.15	+0.00	-0.01	+69	+44	+57	+342	-27	-10	51	+449	106	106	104	101	101	103	101	100	69	99	103	113	99	107					
	DE 00081670147	Keross		Kerrigan	Montross	Gfw		66	+263	+6	0	71	+1300	-0.02	-0.01	+0.08	+53	+44	+67	+312	-30	+3	57	+726	104	105	105	97	100	97	102	72	99	102	110	99	105						
Mas	DE 0360044741	Intercity		Imax	Doorsopen	Gfw		65	+263	-11	0	71	+1751	-0.17	-0.22	+0.04	+56	+38	+84	+299	-6	+7	53	+706	106	104	102	104	102	101	103	71	101	103	111	100	107						
CRV	NL 888475752	Delta Claas		Lunar	Concert	Gfw		64	+263	-1	0	70	+721	+0.23	+0.15	-0.02	+53	+39	+31	+281	-14	+17	54	+641	103	104	105	105	104	99	104												

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

NVImelkdoel = 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 gemisch zzonder dochters

Augustus 2020

Ki	Stiernummer	Stiernaam	Erf-fact	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-fact	Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	KgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T					
Melkdoel Zwart										pnt	Productie										€	€	Functioneel										Exterieur									
CRV	BE 414036636	Delta Elst		Lunar	Topgear	Gfw		63	+257	+4	0	69	+875	+0,25	+0,21	+0,01	+61	+51	+41	+350	-11	-19	53	+472	105	103	101	104	104	104	96	104	70	102	105	106	105	107				
CRV	NL 573364710	Delta Skippy		Paragon	Vitesse	Gfw		67	+257	+1	0	72	+525	+0,60	+0,27	-0,10	+78	+44	+15	+349	+3	-21	59	+421	106	104	104	103	99	98	99	105	72	106	104	109	100	107				
GGI	DE 0667199756	Quentin		Quantum	Baltikum	Gfw		65	+256	+2	0	71	+1171	+0,12	+0,22	-0,02	+62	+63	+51	+404	-11	-66	53	+494	104	104	104	103	103	106	96	101	71	102	104	107	101	105				
CRV	US 3204165022	Denovo Groot		Glitz	Frazzled	Gfw		59	+256	+3	0	68	+1393	-0,09	+0,02	-0,07	+50	+51	+56	+331	-5	+2	51	+603	103	107	109	102	103	97	102	69	99	102	105	96	101					
CRV	NL 667323913	Newhouse Jayvano	RF	Esperanto	Penley	Gfw		66	+256	-19	0	71	+1127	-0,15	+0,18	+0,01	+33	+57	+52	+319	-28	-16	56	+457	103	106	104	104	101	99	102	72	100	102	107	105	107					
GGI	DE 0360208999	Simon P		Semino	Board	Gfw		65	+255	+10	0	71	+1986	-0,08	-0,07	+0,06	+76	+62	+97	+443	+3	-15	53	+480	102	104	106	104	99	101	101	71	98	102	103	97	100					
CRV	US 3145229850	Peak Lukaku		Eldorado	Rubicon	Gfw		66	+255	+0	0	71	+1688	+0,14	-0,16	+0,06	+86	+42	+83	+378	+11	+22	56	+372	104	104	107	106	103	98	98	71	98	103	108	101	105					
CRV	NL 623631524	Double W Robin Hood P	PO	Surrender Pp	Magister	Gfw		63	+255	<i>n</i>	0	70	+457	+0,42	+0,21	-0,04	+58	+35	+17	+270	<i>n</i>	-19	53	+509	107	105	102	101	98	96	105	70	103	104	108	104	108					
CRV	NL 685665840	Delta Joy		Jol	Bolt Rf	Gfw		66	+254	+4	0	71	+1709	-0,18	+0,18	-0,02	+53	+78	+76	+454	+0	+4	57	+368	104	99	103	101	103	99	101	72	99	99	104	104	104					
Mas	DE 0360324663	Gywer	RF	Gymnast	Lobach	Gfw		65	+254	+6	0	71	+2291	-0,39	-0,11	+0,02	+54	+68	+107	+424	-1	-10	55	+499	103	104	103	103	105	101	97	100	71	102	103	105	98	103				
CRV	NL 867252963	Delta Pareto		Dazzel	Laurent P Rf	Gfw		64	+254	+11	0	69	+771	+0,32	+0,17	+0,02	+63	+43	+37	+320	+18	-31	53	+551	105	103	105	103	102	98	106	70	104	101	104	104	106					
CRV	NL 620478904	Creijland Tuner		Accord	Danno	Gfw		65	+254	-7	0	71	+550	+0,38	+0,25	+0,02	+59	+43	+27	+308	-10	+10	56	+525	104	102	107	110	98	97	107	71	101	103	101	106	104					
CRV	NL 668082914	Zandenburg Virgil		Accord	Reflector	Gfw		65	+254	-18	0	71	+492	+0,09	+0,21	-0,02	+29	+37	+21	+219	-29	-69	56	+602	108	107	105	105	102	98	104	71	101	104	104	107	107					
ABS	US 3150307021	Bomaz Fynn		Frazzled	Rubicon	IGfw		54	+253	-3	0	61	+1398	+0,29	-0,03	-0,01	+89	+46	+63	+394	-7	+8	40	+475	105	102	108	104	104	99		65	98	103	103	100	101					
CRV	US 3150687399	Pine-Tree Flightplan		Legacy	Mr Mogul Delta	Gfw		59	+253	+17	0	68	+1404	+0,17	+0,00	-0,03	+77	+49	+61	+381	+30	+63	51	+550	105	103	103	103	101	104	103	100	69	92	97	103	97	97				
Kam	NL 648499303	Koepon Random		Ranger	Board	Gfw		63	+253	+12	0	71	+1132	+0,14	+0,09	+0,03	+62	+48	+55	+344	+5	-36	56	+394	103	103	104	103	102	104	106	72	103	103	106	107	108					
CRV	NL 879587024	Vlagberg Drost		Louxor	Regard	Gfw		66	+253	-3	0	71	+885	+0,26	+0,14	-0,07	+63	+44	+34	+323	-7	+33	55	+601	106	100	101	100	103	96	106	72	101	100	110	101	106					
Tot	DE 0539063892	Wilder Hong		Superhero	Powerball P	Gfw		66	+253	+3	0	71	+1700	-0,25	-0,10	+0,04	+46	+49	+82	+322	-7	+3	56	+564	104	105	107	102	99	104	103	72	100	103	112	96	105					
CRV	US 3200824973	Peak Rocketman		Positive	Jedi	Gfw		60	+252	-7	0	69	+1500	+0,31	-0,04	-0,09	+96	+48	+59	+416	-5	+6	52	+544	105	102	104	102	103	100	101	70	102	103	111	93	103					
CRV	NL 758205788	Delta Warmond P Rf	RF PO	Mingo P Rf	Handy P Rf	Gfw		63	+252	-13	0	69	+1449	-0,02	+0,12	+0,00	+59	+63	+66	+402	-11	+39	53	+272	101	104		99	102	99	102	104	70	100	100	102	105	104				
WWS	US 3141562808	Melarry Frazzled Fyi		Frazzled	Balisto	IGfw		56	+252	-8	0	64	+1304	+0,10	+0,02	-0,01	+65	+47	+59	+347	+2	-15	42	+651	110	101	107	101	104	101		69	98	103	105	97	101					
Tot	DE 0359449298	Bg Rialto		Sixpack	Balisto	Gfw		62	+252	+6	0	71	+452	+0,47	+0,27	-0,04	+63	+41	+17	+306	-8	-5	55	+561	103	105	104	104	105	103	100	103	71	98	104	112	101	107				
Kam	NL 562674437	Red Rocks White Dot	RF	Hotspot P	Wisent Rf	Gfw		60	+252	<i>n</i>	0	70	+486	+0,15	+0,41	-0,02	+35	+55	+20	+305	<i>n</i>	+29	52	+455	105	104	104	104	101	102	99	103	70	95	100	111	101	105				
WWS	US 3142352961	S-S-I Pr Renegade		Jaltaoak	Millington	IGfw		54	+251	-2	0	61	+1500	+0,20	+0,07	+0,00	+84	+59	+68	+439	-4	-35	40	+322	101	105	103		100	102		66	103	102	107	101	105					
Mas	NL 872871665	Summerlake		Dg Charley	Balisto	Gfw		66	+251	-2	0	71	+1185	+0,48	+0,09	+0,05	+98	+50	+59	+429	-13	-25	58	+444	104	101	106	106	106	99	103	72	99	102	103	100	102					
CRV	NL 664898766	Delta Wirdum		Ranger	Jorben	Gfw		65	+251	-7	0	71	+856	+0,04	+0,21	+0,03	+40	+50	+42	+302	-15	-5	56	+523	109	101	102	102	97	98	102	72	104	104	106	106	108					
CRV	NL 899567231	Delta Shiner P	PO	Benz	Finder	Gfw		64	+251	+3	0	71	+1165	+0,05	-0,03	+0,10	+54	+38	+63	+288	-13	+2	53	+443	105	104	109	105	105	103	103	70	105	102	105	105	107					
CRV	NL 671125486	Delta Reloader		Finder	G-Force	Gfw		68	+251	+6	0	72	+1220	-0,06	-0,06	+0,09	+46	+36	+65	+264	+7	+10	60	+555	104	104	108	104	101	98	103	72	101	102	106	106	107					
CRV	NL 931002108	Bentehoek Andorra		Lendor	Finder	Gfw		64	+250	+4	0	70	+1194	+0,14	+0,08	+0,08	+65	+50	+63	+360	+0	+26	53	+456	104	100	106	103	98	98	104	70	101	100	107	103	106					
Mas	DE 0540402381	Genesland Gordion		Gordon	Missouri	Gfw		63	+250	-11	0	69	+1283	+0,02	+0,06	-0,02	+56	+51	+57	+344	-13	+5	52	+539	103	104	106	102	105	97	102	70	100	103	107	100	104					
GGI	DE 0540493721	Bachelor P	PO	Batch P	Board	Gfw		63	+250	+13	0	69	+1195	-0,06	+0,06	+0,03	+45	+48	+58	+309	+0	+18	52	+586	105	104	105	102	99	99	102	70	92	98	105	101	100					
CRV	CA 13227447	Progenesis Proclaim		Challenger	Modesty	Gfw		62	+249	+16	0	69	+1309	+0,42	+0,13	+0,01	+98	+59	+61	+466	+16	+37	52	+267	100	102	104	102	99	101	100	69	97	103	111	98	104					
Tot	US 3134545257	Plain-Knoll Marcus		Benz	Ferdinand	Gfw		63	+249	+2	0	69	+1334	-0,04	+0,09	+0,06	+52	+56	+67	+359	-14	-19	51	+470	103	105	103	100	104													

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

NVImelkdoel = 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
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLI

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Ki	Stiernummer	Stiernaam	Erf-fact	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-fact	Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	KgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T					
Melkdoel Zwart											pnt	Productie										€	Functioneel										Exterieur									
CRV	NL 631937036	Delta Composer	RF	Ranger	Finder	Gfw		65	+242	+19	0	71	+1268	+0.17	+0.02	+0.00	+71	+46	+58	+355	-1	+0	56	+453	106	99	106	107	104	103	103	72	100	101	105	104	105					
Tot	DE 0540252560	Berlin		Benz	Superhero	Gfw		63	+242	-7	0	70	+1138	+0.03	+0.12	-0.03	+51	+52	+49	+335	-8	+12	51	+352	101	108	108	104	106	107	100	69	101	100	108	98	103					
Tot	CA 12719163	Progenesis Charley Peter		Dg Charley	Silver	Gfw		66	+242	-12	0	71	+1939	-0.46	-0.13	+0.04	+33	+53	+93	+315	-18	-10	57	+502	102	105	105	101	104	103	103	72	100	103	109	101	106					
CRV	NL 676012246	Delta Lunar		Chuck	Pepe	Gfw		67	+242	-6	0	72	+850	+0.20	+0.15	+0.06	+55	+44	+45	+309	-9	-31	58	+644	104	103	102	105	105	98	104	72	105	105	108	102	108					
STG	US 3146616313	St Gen Noble Dinero		Noble	Mr Mogul Delta	IGfw		53	+242	-20	0	61	+1066	+0.20	+0.00	-0.01	+65	+37	+48	+303	-10	+16	39	+673	108	105	105	106		99		65	93	102	104	94	97					
CRV	NL 660112422	Diepenhoek Citadel		Altabanco	Balisto	Gfw		64	+242	-11	0	71	+1141	-0.11	+0.00	-0.07	+37	+40	+45	+255	-11	+0	58	+506	104	106	109	103	103	103	104	72	97	101	107	101	103					
WWS	US 3133120549	S-S-I Bg Fzzd Riveting		Frazzled	Profit	IGfw		56	+242	-7	0	64	+808	+0.13	-0.05	-0.01	+47	+23	+36	+204	-11	-2	41	+673	109	106	105	94		105		69	100	102	110	100	106					
GGI	DE 0539675034	Hotspot P	PO	Superhero	Powerball P	Gfw		66	+241	-19	0	71	+1119	+0.15	+0.22	+0.06	+62	+61	+57	+397	-7	+36	56	+417	100	103	106	105	104	107	102	72	97	101	111	96	103					
WWS	US 3149513977	Clear-Echo Soltn Sparta		Solution	Haroldo	IGfw		52	+241	+0	0	60	+1828	-0.30	-0.05	+0.00	+45	+58	+83	+357	+11	-43	37	+458	105	105	106	97		100		63	101	103	105	99	103					
WWS	US 3149236600	Larcrest Captivating		Riveting	Hotline	IGfw		52	+241	-12	0	60	+1090	+0.28	+0.04	-0.01	+74	+42	+49	+342	-7	-46	38	+415	105	105	107	99		103		63	104	102	108	100	106					
Dek	FR 6114354190	Opera		Adorable	Wickham	Gfw		66	+241	-3	0	71	+1318	-0.03	+0.04	+0.05	+53	+50	+65	+336	-9	-28	56	+381	103	104	104	95	106	103	104	72	103	105	112	101	109					
Tot	FR 5344216790	Neal		Dg Charley	Mardi Gras	Gfw		66	+241	-1	0	71	+897	+0.01	+0.00	+0.13	+39	+31	+54	+225	-15	+25	57	+574	104	107	104	106	109	106	102	72	96	101	109	102	105					
CRV	NL 889152452	Delta Landlife P	PO	Barrage	Rafter P Rf	Gfw		64	+241	+15	0	69	+174	+0.44	+0.21	-0.03	+47	+25	+5	+203	-15	-37	54	+480	106	111	103	101	100	99	106	70	97	101	102	102	101					
Tot	NL 865720329	Vekis Dg Delta		Dg Charley	Montross	Gfw		66	+240	+15	0	71	+1720	-0.17	-0.03	-0.01	+55	+57	+78	+373	+16	+35	57	+473	102	102	105	101	104	101	103	72	97	99	105	99	101					
K&L	DE 0360992523	Gga Palmer		Padawan	Superhero	Gfw		62	+240	-3	0	69	+1878	-0.39	-0.04	+0.00	+38	+61	+86	+356	+2	-33	52	+371	102	106	102	98	101	98	101	69	102	103	112	100	107					
Kam	NL 884786720	Lone Ranger		Ranger	Metallic	Gfw		63	+240	+5	0	71	+1604	-0.22	-0.04	+0.01	+45	+52	+74	+330	-10	+18	56	+486	107	99	103	103	99	102	103	72	99	100	104	105	104					
ABS	US 3142332706	Pine-Tree Durable		Dg Charley	Woodcrest Mo	IGfw		61	+240	-9	0	70	+1127	+0.08	+0.09	+0.00	+56	+48	+51	+330	+0	+63	48	+433	101	106	106	104	106	105		73	93	96	105	99	99					
CRV	NL 920287996	Plataan Falcon		Mobile	Paradise	Gfw		68	+240	+10	0	72	+1071	+0.30	-0.10	+0.03	+75	+27	+52	+284	+5	+49	62	+317	106	106	102	101	102	99	100	72	94	100	103	104	102					
ABS	US 3141494507	Denovo 7921 Atrium		Achiever	Mr Mogul Delta	IGfw		53	+240	-6	0	61	+628	+0.52	+0.06	-0.01	+76	+28	+28	+283	+9	+22	38	+528	105	106	106	104		104		65	99	103	104	100	102					
CRV	NL 685976393	Delta Frontline		Topgear	Missouri	Gfw		67	+240	+16	0	72	+1381	-0.22	-0.08	-0.06	+36	+40	+57	+257	+0	-14	59	+385	104	104	108	101	101	99	105	72	100	104	109	106	109					
WWS	US 3200122612	Cookiecutter Logistics		Renegade	Helix	IGfw		50	+239	-4	0	56	+1311	+0.32	-0.03	-0.01	+88	+43	+59	+379	-15	-19	37	+410	101	104	102	95		105		63	98	102	108	103	106					
Kam	NL 574589903	Poppe Yody	RF	Yoda	Board	Gfw		61	+239	-8	0	71	+1567	-0.11	-0.01	+0.01	+55	+54	+73	+359	-4	+7	53	+556	103	101	108	98	106	105	102	70	100	102	107	99	103					
Kam	NL 935364071	Kik Divine		Supershot	Altaioti	Gfw		65	+239	+11	0	72	+1181	+0.07	+0.06	+0.04	+57	+47	+58	+330	+13	-2	60	+385	102	106	107	100	101	104	103	72	102	102	101	102	102					
CRV	NL 671732952	De Leenhorst E-Profit		Magister	Danno	Gfw		67	+239	+4	0	71	+315	+0.47	+0.40	-0.06	+56	+48	-9	+317	-9	+5	59	+430	103	104	105	102	101	97	103	72	104	103	103	104	105					
CRV	US 3143160100	Peak Amplus		Fustead Tango	Monterey	Gfw		65	+239	-5	0	71	+1651	-0.08	-0.19	+0.00	+62	+38	+75	+309	-15	+33	55	+415	104	107	109	108	103	101	99	71	95	97	105	97	99					
Adv	DE 0122528740	Sandy Gh Bonbon		Board	Balisto	Gfw		66	+239	+14	0	71	+1400	-0.32	+0.04	+0.09	+27	+53	+73	+296	+0	-39	58	+645	108	102	102	101	103	95	101	72	104	103	108	102	107					
STG	US 3132353418	Mr D-Worth Menace		Butz-Hill Delta	Flamer	IGfw		54	+239	+8	0	62	+1054	+0.22	-0.07	+0.00	+66	+30	+48	+276	+13	+35	39	+601	105	104	105		104		67	98	101	110	99	104						
CRV	NL 632175000	Delta Sturdy		Ranger	Paragon	Gfw		66	+239	+6	0	72	+255	+0.61	+0.21	+0.06	+66	+28	+17	+259	+0	-73	57	+443	105	106	103	104	101	98	102	73	105	105	111	107	112					
CRV	NL 644429267	Vbl Mento		Vh Bahrain	Magister	Gfw		63	+238	n	0	69	+1163	+0.08	+0.30	-0.14	+57	+70	+39	+418	n	+23	53	+388	101	102	103	104	100	102	101	71	97	98	101	102	101					
CRV	US 3142181270	Peak Matchup		Altatopshot	Mr Mogul Delta	Gfw		63	+238	+17	0	71	+2048	-0.17	-0.12	+0.01	+68	+58	+95	+409	+24	+8	56	+405	103	102	108	105	105	103	101	71	97	102	102	98	99					
OBS	DE 0361195337	Belami		Benz	Superhero	Gfw		63	+238	-4	0	70	+1754	-0.16	+0.01	+0.05	+57	+62	+85	+399	+4	+33	51	+363	102	102	104	101	103	103	102	69	99	102	102	101	102					
CRV	US 3142181656	Peak Holcomb		Outlast	Mr Mogul Delta	Gfw		65	+238	+5	0	71	+996	+0.47	+0.08	+0.00	+88	+43	+45	+375	-4	+5	55	+328	104	104	109	102	102	98	98	71	103	103	109	97	105					
Ves	DK 03707004472	Utoft Bahrain Billund		Vh Bahrain	Bernell	IGfw		58	+238	+18	0	65	+1380	-0.03	+0.03	+0.00	+55	+51	+63	+344	+21	+36	44	+422	103	103	104	106	105	105		66	97	98	106	102	103					
CRV	NL 620478531	Delta Deliver		Movement	Solution	Gfw		66	+238	-28	0	71	+166																													

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

NVImelkdoel = 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
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLI

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Ki	Stiernummer	Stiernaam	Erf-fact	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-fact	Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	KgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T						
Melkdoel Zwart								pnt		Productie										€		€		Functioneel										Exterieur									
CRV	NL 586848551	Delta Leverage		Inductor	Bravo	Gfw		66	+234	-17	0	71	+131	+0.71	+0.34	+0.01	+69	+35	+7	+291	+4	+3	56	+585	104	102	102	102	114	105	99	103	72	97	100	107	104	105					
CRV	NL 895652300	Capnation Benello		Bernell	Balisto	Gfw		67	+234	+1	0	72	+1025	+0.06	+0.04	+0.00	+49	+40	+47	+281	+19	-7	58	+516	107	103	104	103	104	99	102	72	99	101	104	103	104						
Dek	DE 0358878741	Melfield		Chevalier	Balisto	Gfw		66	+234	-12	0	71	+1123	-0.15	+0.05	+0.06	+33	+44	+57	+267	-30	+23	57	+606	107	103	106	102	104	96	102	72	100	102	107	98	103						
Sem	CA 12754560	Westcoast Soundcloud		Outlast	Mr Mogul Delta	IGfw		60	+234	-5	0	70	+1004	+0.12	-0.06	-0.01	+54	+29	+45	+246	-28	+0	46	+571	107	105	101	100	102	100	71	100	102	113	100	107							
STG	DE 0360385794	Skyline		Seminio	Battlecry	IGfw		58	+234	-25	0	67	+287	+0.37	+0.22	+0.00	+46	+30	+13	+224	-41	-17	44	+785	109	104	100	99	97	103	71	99	103	110	100	105							
Tot	NL 756516602	Vekis Dg Lee		Altaspring	Meridian	Gfw		67	+233	+14	0	72	+1529	+0.06	-0.17	-0.05	+71	+36	+65	+316	+13	+45	60	+377	105	104	102	94	101	103	99	72	100	102	113	98	106						
Alt	CA 12948981	Peak Altatrustee		Guarantee	Jedi	IGfw		54	+233	+14	0	62	+1196	-0.06	+0.01	-0.01	+45	+43	+54	+287	+19	+4	39	+373	108	107	105	100	102	97	65	96	101	106	96	100							
CRV	NL 684617275	Delta Beacher		Esperanto	Vh SkeppargÄr	Gfw		66	+233	-6	0	71	+974	-0.02	+0.07	+0.03	+39	+41	+47	+264	-25	-34	56	+471	105	103	103	103	104	101	105	72	104	105	110	105	110						
GGI	DE 1269589587	Bamir P	PO	Benz	Milford-P	Gfw		64	+233	+8	0	70	+1597	-0.45	-0.08	+0.08	+21	+47	+81	+261	-12	+18	51	+581	105	105	102	104	102	102	101	69	100	100	113	98	106						
CRV	NL 687231768	Delta Harvester		Paragon	Balisto	Gfw		67	+232	+8	0	72	+550	+0.68	+0.32	+0.03	+87	+49	+28	+392	+2	+10	59	+563	102	100	102	100	101	100	101	72	102	103	105	101	104						
Alt	US 3149482696	Holyland Altatrill		S-S-I Bg Duke	Phantom	IGfw		52	+232	n	0	60	+1354	+0.05	+0.01	-0.01	+63	+48	+61	+347	n	+3	38	+503	107	104	103	103		102	64	100	103	106	94	100							
Tot	NL 940038369	Drouner Classic		Dg Charley	Silver	Gfw		66	+232	+0	0	71	+1640	-0.12	-0.18	+0.05	+57	+38	+80	+300	-17	+34	57	+482	104	104	104	101	104	103	102	72	93	97	105	100	100						
DE	0359686738	Karibu		Kerrigan	Tribune	Gfw		66	+232	+11	0	71	+1616	-0.26	-0.10	+0.02	+41	+46	+76	+298	+7	+10	56	+551	102	102	105	98	104	105	105	72	102	101	112	100	107						
BGA	DE 0360817317	Gouverneur G Gigolo		Gymnast	Missouri	Gfw		65	+231	+12	0	71	+1078	+0.20	+0.14	-0.01	+66	+51	+48	+362	+13	+12	55	+445	103	102	102	100	102	100	101	72	101	103	106	101	104						
CRV	US 3205436593	Peak Martini		Milktime	Frazzled	Gfw		59	+230	n	0	68	+2424	-0.23	-0.22	-0.11	+77	+60	+98	+437	n	-45	51	+593	103	99	101	96	108	104	103	69	104	105	108	96	104						
ABS	US 3143060701	Denovo 2800 Prince		Yoda	Woodcrest Mo	IGfw		55	+230	n	0	63	+687	+0.75	+0.19	+0.00	+101	+42	+31	+394	n	-1	39	+493	101	104	105	97		102	67	99	103	105	96	101							
Sem	CA 12773216	Silverridge V Timberlake		Imax	Supershot	IGfw		56	+230	-21	0	65	+2146	-0.34	-0.16	+0.00	+54	+57	+98	+377	-2	-27	41	+557	102	103	104		102	104	70	102	105	109	97	105							
Alt	US 3147840010	Peak Altakiss		Imax	Jedi	IGfw		55	+230	-11	0	63	+1772	-0.13	-0.09	-0.01	+61	+52	+80	+365	+10	-19	41	+542	105	102	104	103	103	102		68	100	105	107	97	103						
ABS	US 3141494296	Abs Crimson		Spectre	Rubicon	IGfw		56	+230	+1	0	64	+1113	+0.31	+0.02	-0.01	+78	+41	+50	+347	+9	-4	42	+562	103	103	106	102	102	101		68	102	104	102	100	102						
Gex	NL 648499264	Peak Bonanza		Frazzled	Woodcrest Mo	IGfw		55	+230	-16	0	62	+1441	+0.06	-0.08	-0.01	+67	+42	+65	+332	+2	+15	40	+463	105	103	106	98		101	67	94	100	106	98	100							
Alt	CA 13227660	Peak Altahawthorn		Marius	Frazzled	IGfw		52	+229	-8	0	60	+1619	+0.06	+0.03	-0.01	+75	+60	+73	+425	-11	+15	38	+467	106	99	106	101		99	64	98	101	104	94	98							
ABS	CA 110807391	Dexpro Mojo		Medley	Jedi	IGfw		52	+229	-6	0	60	+1315	-0.01	+0.00	+0.00	+55	+46	+60	+322	+18	-35	38	+537	104	106	104		99		64	100	104	107	97	103							
CRV	NL 589401100	Delta Yeti	RF	Endurance	Silver	Gfw		65	+229	-16	0	71	+699	+0.34	+0.21	-0.02	+62	+44	+30	+320	-48	-52	56	+503	103	102	104	103	103	100	103	72	100	104	107	105	107						
CRV	NL 756052137	De Biesheuvel Jopper P Rf	RF PO	Movement	Fun P	Gfw		66	+229	+6	0	71	+738	+0.44	+0.13	-0.01	+73	+38	+33	+319	+1	+1	56	+532	105	100	103	100	102	98	105	71	103	102	101	104	104						
ABS	US 3142332520	Pine-Tree Acura		Achiever	Profit	IGfw		54	+229	+6	0	62	+1266	+0.09	-0.03	-0.01	+63	+41	+57	+318	+18	-15	39	+577	103	104	104		104		67	103	104	105	101	105							
CRV	NL 662437877	Delta Barrage		Final	Maik	Gfw		68	+229	-22	0	72	+1867	-0.33	-0.18	-0.03	+44	+46	+82	+306	+4	-19	61	+508	104	102	104	102	100	92	103	82	100	103	101	106	104						
CRV	NL 673916736	Lowlands Greenport		Leonardo	Danno	Gfw		64	+229	+5	0	70	+347	+0.47	+0.23	-0.03	+58	+33	+13	+261	-6	-2	55	+492	105	104	105	98	103	98	101	71	106	104	104	105	107						
Tot	DE 0361082445	Ossegue Hardensetten Lupo Pp	RF	Lucky-Pp	Milford-P	Gfw		65	+229	-18	0	71	+1150	-0.05	-0.05	+0.03	+44	+35	+56	+253	-33	+75	54	+410	104	105	105	103	101	100	102	71	91	91	107	100	100						
CRV	NL 572153333	Delta Denim		Skippy	Esperanto	Gfw		63	+228	-29	0	69	+725	+0.49	+0.27	-0.03	+78	+51	+30	+382	-25	-10	53	+424	104	96	103	105	102	102	107	70	103	103	106	104	107						
Tot	NL 872395800	Balou		Baltikum	Epochal	Gfw		67	+228	+13	0	72	+1467	+0.03	-0.02	+0.03	+65	+49	+70	+358	+7	-13	59	+534	107	99	100	101	103	100	102	72	100	101	109	99	104						
CRV	US 3139851859	Peak Shero		Superhero	Ransom	Gfw		66	+228	+5	0	71	+1200	+0.06	+0.08	-0.02	+57	+50	+53	+341	+18	-23	56	+496	103	105	107	103	106	104	103	72	106	105	99	98	101						
ABS	US 3143383981	Bomaz Saige		Ocd Spring Sar Draco	IGfw			55	+228	+1	0	63	+1562	-0.04	-0.14	+0.00	+62	+40	+71	+316	+22	+16	40	+542	106	103	104		102		68	98	103	106	97	101							
CRV	NL 870509524	Delta Builder P	PO	Esperanto	Powerball P	Gfw		66	+228	-19	0	71	+689	+0.32	+0.18	+0.05	+60	+41	+36	+305	-32	-16	56	+374	102	105	104	104	103	101	105	72	98	103	108	101	105						
ABS	US 3141494670	Denovo 8084 Entity		Matters	Rubicon	IGfw		54	+228	-3	0	61	+932	+0.32	+0.01	-0.01	+71	+33	+42	+297</																							

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

NVImelkdoel = 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
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLI

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Ki	Stiernummer	Stiernaam	Erf-fact	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-fact	Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	KgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T					
Melkdoel Zwart										pnt	Productie										€	€	Functioneel										Exterieur									
Gex	US 3200824740	Peak Incredible		Altaliaison	Denver	IGfw		59	+224	+1	0	68	+1116	+0.19	+0.02	-0.01	+66	+41	+50	+322	-29	+13	44	+603	104	100	103	101	109	105		70	99	102	111	100	106					
Dek	FR 6951003469	Nillsbro		Willsbro Abbott	Megasire	Gfw		65	+224	+3	0	71	+1066	+0.04	+0.02	+0.10	+49	+39	+59	+281	-3	+11	55	+576	102	103	107	106	104	105	102	71	101	102	109	100	105					
CRV	US 3140986357	Peak Langley		Hotline	Mr Mogul Delta	Gfw		66	+223	-13	0	71	+1644	+0.23	+0.02	-0.03	+49	+59	+72	+461	-12	-5	56	+223	100	101	106	102	100	105	99	72	104	103	106	99	104					
Alt	US 3145229768	Peak Altastafford		Dg Charley	Altaspring	IGfw		58	+223	+0	0	66	+1470	+0.04	-0.01	+0.00	+66	+50	+67	+364	+16	+1	45	+453	102	103	106		106	106	103		70	103	102	101	100	102				
STG	US 3146616400	Delicious Dw Poole	CD	Butz-Hill Delta	Draco	IGfw		53	+223	-5	0	61	+1648	+0.01	-0.14	+0.00	+71	+43	+75	+348	-5	+22	39	+491	105	104	107	103		102		65	98	101	104	92	97					
CRV	NL 872395747	De Biesheuvel Joshua	CD	Regard	Balisto	Gfw		67	+223	+8	0	72	+1248	-0.02	+0.07	+0.04	+51	+50	+61	+330	-6	+20	61	+661	105	99	102	107	97	104	102	82	97	102	106	99	102					
CRV	NL 677989059	Delta Joe PP	RF PP	Sunfit P	Laurent P Rf	Gfw		64	+223	+1	0	70	+1434	-0.15	+0.02	-0.03	+45	+52	+62	+326	-5	-2	53	+383	104	101	104	106	102	99	103	70	94	99	102	105	102					
Tot	FR 1442242316	Drakkar Bangalore		Altaspring	Chevrolet	Gfw		67	+223	-4	0	72	+1223	+0.12	-0.07	+0.07	+64	+36	+63	+301	+4	+20	59	+486	101	101	105	99	97	103	105	72	98	104	110	102	106					
CRV	US 3149336967	Peak Carver		Westcoast Fas	Mr Mogul Delta	Gfw		60	+223	-11	0	69	+422	+0.58	+0.15	-0.06	+72	+29	+14	+274	-25	+45	51	+467	102	106	106	105	104	102	103	69	99	99	106	97	101					
Alt	US 3200824142	Peak Altatiki		Milktime	Altarobson	IGfw		53	+222	n	0	61	+2036	-0.19	-0.05	-0.01	+66	+65	+92	+433	n	-40	38	+541	101	101	106	101		103		66	104	106	102	97	102					
CRV	NL 937658659	Delta Monaco		Vh Bosman	Titanium	Gfw		66	+222	+8	0	71	+856	+0.42	+0.28	-0.04	+77	+57	+35	+406	+16	+54	58	+344	101	99	101	106	96	102	102	72	93	98	108	100	102					
CRV	NL 661726440	Double W Rodeo		Regard	Snowfever Cd	Gfw		71	+222	+36	0	72	+207	+0.19	+0.05	+0.05	+70	+47	+60	+358	+43	+2	63	+354	100	100	104	104	100	101	104	86	102	103	108	105	108					
CRV	US 3141558704	Bush-Bros Alloy		Samsung	Mr Oak Delco E	Gfw		63	+222	-6	0	69	+1409	+0.24	-0.11	+0.07	+84	+38	+72	+354	-21	+76	51	+436	103	102	103	98	103	99	99	69	85	97	105	97	96					
Mas	DE 0360766294	Gga Lightway		Lightstar	Superhero	Gfw		62	+222	+7	0	68	+1205	+0.09	+0.10	-0.12	+60	+52	+43	+352	-4	+25	51	+517	100	105	102	99	100	107	103	69	99	101	103	96	99					
Gex	US 3137908291	Co-Op Bsf Surg Slam Dunk		Surgeon	Supersire	IGfw		53	+222	+15	0	61	+1520	-0.20	-0.11	+0.00	+44	+41	+69	+281	+16	-11	40	+582	106	103	105		103	99		67	96	102	107	99	102					
GGI	NL 714486680	Peeldijker Converse		Concert	Silver	Gfw		67	+222	-6	0	72	+768	+0.03	-0.03	+0.09	+35	+24	+44	+185	-7	-2	59	+475	104	108	103	103	104	103	102	72	102	105	111	103	109					
CRV	US 3209641491	Level-Plain Offside		Altalawson	Achiever	Gfw		58	+221	n	0	68	+1038	+0.56	+0.20	+0.02	+99	+56	+49	+452	n	+31	50	+306	100	103	104	102	104	108	97	68	98	99	105	95	99					
Tot	US 3200824958	Peak Austad		Positive	Denver	IGfw		53	+221	+0	0	62	+1506	+0.27	+0.01	-0.01	+92	+53	+68	+431	+18	+14	38	+369	101	100	105	101		101		65	102	103	105	98	103					
Sem	US 3151787851	Blumenfeld Bluechip		Frazzled	Rubicon	IGfw		54	+221	-6	0	62	+1004	+0.36	+0.02	-0.01	+78	+37	+45	+329	-13	-26	41	+559	108	100	104	95	104	103		67	100	104	105	99	103					
CRV	NL 732546041	Delta Janick		Jupiler	Bolt Rf	Gfw		66	+221	-8	0	71	+637	+0.18	+0.09	-0.07	+44	+31	+22	+226	-21	-14	57	+293	106	105	107	105	99	100	106	72	102	102	106	103	106					
Alt	US 3205435835	Peak Altareal Money		Altahotjob	Altamighty	IGfw		52	+220	n	0	60	+883	+0.46	+0.17	+0.00	+82	+47	+40	+377	n	-9	37	+270	102	103	106	102		103		63	101	102	108	99	104					
GGI	DE 0666959699	My Dream P	RF PO	Mission P	Shotglass	Gfw		66	+220	-6	0	71	+1310	-0.15	+0.18	+0.05	+40	+64	+65	+366	-4	+42	57	+267	101	104	107	103	102	99	102	72	96	99	107	95	100					
Sem	US 3141657502	Blumenfeld Zebra	RF	Apprentice	Altaspine	IGfw		61	+220	-17	0	70	+2570	-0.59	-0.27	+0.00	+42	+59	+117	+365	-19	-23	47	+393	103	104	103		104	101		72	102	104	108	97	104					
Gex	US 3138766426	Co-Op Aardem Subzero		Blumenfeld Spr	Midnight	IGfw		59	+220	-9	0	68	+1210	+0.12	+0.07	+0.00	+63	+49	+55	+350	-6	+10	44	+507	101	104	102		101	104		70	99	101	108	97	103					
Sem	CA 111074181	Progenesis Moliere		Topnotch	Eugenio	IGfw		55	+220	-2	0	63	+1415	+0.02	-0.08	-0.01	+62	+41	+64	+318	-15	-29	40	+422	103	105	106	103		102		68	102	103	111	97	105					
ABS	US 3150905532	Jc-Kow Vitality		Skywalker	Mr Mogul Delta	IGfw		53	+220	-6	0	62	+933	+0.15	+0.07	-0.01	+54	+39	+42	+286	-37	-16	38	+471	103	106	107	102		104		66	99	103	110	97	104					
Kam	NL 941989107	Peeldijker Barracuda		Barrage	Silver	Gfw		61	+220	+13	0	69	+971	-0.08	+0.01	-0.01	+33	+35	+43	+226	+22	-8	54	+591	105	105	104	100	101	100	102	70	105	103	107	101	106					
AWE	DE 0361070373	Bamont PP	PP	Batch P	Hologram-P	Gfw		63	+220	-1	0	69	+524	+0.33	+0.07	-0.02	+53	+25	+22	+220	-14	+11	51	+632	106	105	102	98	103	103	103	69	93	98	106	99	100					
GGI	DE 0122451167	Avicii		De-Su 12138 A	Montross	Gfw		65	+220	-11	0	71	+803	-0.11	+0.06	-0.03	+23	+34	+34	+198	-14	-1	56	+646	103	107	107	101	103	107	103	71	101	102	108	99	104					
CRV	BE 213107823	Delta Waterloo		Jorben	Monopoly	Gfw		65	+220	+5	0	72	+603	-0.03	+0.12	+0.08	+23	+32	+35	+190	-22	-28	59	+575	105	103	99	103	98	103	109	72	99	103	104	109	107					
CRV	US 3149335089	Peak Morant		Altamontoya	Modesty	Gfw		63	+219	+7	0	69	+1058	+0.42	+0.21	-0.02	+86	+58	+46	+432	-1	+23	52	+368	99	101	105	97	105	106	99	69	97	103	108	97	102					
Gex	US 3148279634	Aardema Superfly		Aardema Radic	Co-Op La-Brow	IGfw		58	+219	-26	0	68	+1676	-0.07	-0.10	-0.01	+64	+48	+76	+354	-31	+33	42	+545	103	100	108	101	105	106		69	93	98	107	96	99					
Mas	DE 0122212334	Barkeeper		Battlecry	Galaxy	Gfw		67	+219	+6	0	72	+441	+0.55	+0.20	-0.01	+70	+34	+19	+292	+4	+9	58																			

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

NVImelkdoel = 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
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLI

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Ki	Stiernummer	Stiernaam	Erf-fact	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-fact	Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T					
Melkdoel Zwart											pnt	Productie										€	Functioneel										Exterieur									
Gex	US 3200824963	Peak Fortnite		Positive	Frazzled	IGfw		53	+215	-20	0	61	+1459	+0.11	-0.05	-0.01	+73	+46	+66	+362	-44	-16	38	+468	104	102	106	101	102		66	106	105	105	96	103						
Alt	US 3142181520	Peak Altahtotjob		Hotline	Josuper	IGfw		57	+215	+1	0	66	+1434	+0.01	+0.00	+0.00	+62	+50	+65	+355	+31	-37	44	+243	103	101	106	99	102	105		71	98	104	111	103	107					
Bov	US 3140239417	Matcrest Charley Chaplin		Dg Charley	Mr Mogul Delta	IGfw		58	+215	+2	0	66	+1708	-0.31	-0.15	+0.00	+40	+44	+78	+288	+5	+29	44	+458	104	104	106		106	102		70	96	99	103	99	100					
GGI	DE 0770111419	Batur		Basement	Tribune	Gfw		66	+215	+4	0	71	+1190	-0.15	-0.05	-0.08	+35	+36	+46	+235	+2	+8	56	+593	103	104	105	108	99	97	104	71	97	99	103	102	102					
CRV	NL 585572464	Delta Andros		Jafin	Jorben	Gfw		63	+215	+2	0	69	+369	+0.47	+0.13	+0.05	+59	+25	+21	+233	-7	-66	53	+484	109	102	105	104	102	99	102	70	104	103	104	106	107					
Tot	FR 6771265599	Wilt Eldo		Applicable	Commander	Gfw		66	+215	+11	0	71	+282	+0.58	+0.13	+0.09	+65	+22	+21	+233	+3	-26	56	+280	107	104	104	99	106	102	102	72	104	105	113	103	110					
Kam	NL 935351749	Jennekus Baryton		Barclay	Packman	Gfw		65	+214	-7	0	72	+414	+0.76	+0.45	-0.16	+88	+56	+4	+416	-10	-11	59	+283	99	103	104	100	106	98	105	72	104	100	94	101	101	99				
Alt	US 3138499077	Peak Altaaltuve	RF	Salvatore Rc	Monterey	IGfw		57	+214	+5	0	65	+1900	-0.24	-0.11	-0.01	+55	+54	+86	+363	-4	-19	44	+370	103	101	104	98	105	98		70	101	103	107	101	105					
Tot	US 3205436336	Peak Sanjay		Altahtotjob	Frazzled	IGfw		54	+214	-11	0	63	+1632	-0.13	-0.05	-0.01	+56	+52	+74	+353	-16	-28	39	+332	102	102	107	99	106		67	100	103	108	101	105						
Alt	NL 648499202	Peak Altaeldorado		Frazzled	Woodcrest Mo	IGfw		53	+214	-9	0	61	+1454	+0.12	-0.07	+0.00	+74	+43	+66	+352	+5	+22	39	+400	103	101	107	100		101	65	96	101	106	98	101						
Sem	US 3141495129	Siemers Darwin		Superhero	Silver	IGfw		61	+214	+11	0	70	+1177	+0.15	-0.04	-0.01	+65	+37	+53	+304	+14	-52	49	+415	103	105	100	99	103	105		72	105	106	112	101	109					
ABS	US 3149432290	Winstar Duluth		Medley	Jedi	IGfw		53	+214	-10	0	61	+1001	+0.21	+0.03	-0.01	+63	+38	+45	+302	-2	-14	39	+555	102	103	105	102		104	65	98	103	110	99	105						
GGI	US 3143553043	Ar-Joy Cu Charley Chance	RF	Dg Charley	Damaris	Gfw		66	+214	+8	0	71	+1119	+0.10	-0.01	+0.05	+57	+38	+56	+292	-7	-15	57	+545	104	103	105	99	103	101	104	72	99	102	100	100	100					
Dek	FR 6114353802	Musteer		Altasuperstar	Defender	Gfw		67	+214	+2	0	72	+1484	-0.19	-0.12	+0.04	+43	+39	+72	+272	-1	-7	58	+479	106	99	104	98	104	101	102	72	103	105	115	102	102	111				
OBS	DE 0359172941	Kent		Kerrigan	Supershot	Gfw		66	+214	-13	0	71	+1472	-0.13	-0.15	+0.02	+49	+36	+69	+271	-19	+46	56	+524	102	103	107	100	103	99	103	72	97	99	106	98	101					
STG	US 3132353156	St Gen Dw Galileo		Butz-Hill Delta	Mr Pre Director	IGfw		53	+214	+9	0	61	+788	+0.24	+0.03	-0.01	+57	+30	+35	+253	+9	+3	39	+587	104	104	105		106		67	100	103	105	101	104						
CRV	NL 678155101	Lowlands Lust		Concert	Danno	Gfw		67	+214	+4	0	72	+750	+0.08	+0.10	+0.05	+39	+36	+39	+241	-11	+18	59	+269	104	106	107	100	105	102	101	72	99	103	101	105	103					
BGA	DE 0359736505	Alh Desu Kenia		Kerrigan	Montross	Gfw		66	+214	-11	0	71	+1232	-0.14	-0.10	+0.08	+38	+33	+64	+234	-19	+29	57	+590	103	102	108	97	101	103	102	72	98	100	109	101	105					
ABS	US 3141559616	De-Su 14222 Kenobi		Jedi	Altaspring	IGfw		63	+213	-14	0	72	+1372	+0.03	+0.06	-0.01	+61	+54	+62	+368	-12	+5	50	+425	104	103	106	104	104	99		75	99	103	110	90	100					
Tot	US 3148929181	Sandy-Valley Moon		Marius	Helix	IGfw		53	+213	<i>n</i>	0	61	+1573	-0.06	-0.06	-0.01	+60	+49	+71	+348	<i>n</i>	-27	39	+462	105	102	107	103		97	67	99	104	105	96	101						
Sem	CA 12949010	Progenesis Maestro		Imax	Duke	IGfw		54	+213	-17	0	62	+1334	+0.12	-0.04	-0.01	+69	+42	+60	+335	+2	-37	40	+575	103	102	104		102	104	67	104	106	108	98	105						
Sem	US 3140616169	Sandy-Valley Challenger		Superhero	Silver	IGfw		56	+213	+6	0	64	+961	+0.27	-0.04	-0.01	+67	+30	+43	+277	+11	-2	44	+446	104	105	104	100	103	103		68	98	104	111	97	104					
CRV	NL 843890655	Delta Lendor		Vh Stu	Bube	Gfw		66	+213	-2	0	71	+648	+0.25	+0.17	-0.01	+51	+39	+29	+276	+0	-22	58	+564	104	100	103	97	101	99	105	78	104	101	108	103	107					
ABS	US 3140503758	N-Springhope Honda		Fustead Tango	Montross	IGfw		61	+213	-8	0	69	+1305	-0.22	-0.10	-0.01	+33	+35	+59	+231	-15	+25	47	+420	105	106	106	103	104	100		72	98	99	111	97	103					
CRV	NL 618713437	Primeval Update-Et		Blowtorch	Mr Mogul Delta	IGfw		55	+213	+3	0	63	+1191	-0.03	-0.17	+0.00	+47	+24	+54	+213	-5	+11	42	+483	104	105	104	97	104	105		66	93	102	110	103	105					
Kam	NL 941989044	Peeldijker Populist		Barrage	Fanatic	Gfw		61	+213	+10	0	69	+1118	-0.24	-0.07	+0.02	+24	+32	+53	+198	+14	-4	54	+535	104	106	104	103	101	99	103	70	106	103	101	105	105					
CRV	NL 941103651	Vormthoeve Lex		Extreme	Balisto	Gfw		63	+213	+4	0	71	+196	+0.35	+0.12	-0.02	+40	+18	+7	+160	+3	-38	58	+454	107	109	107	104	101	95	103	72	105	106	106	100	106					
CRV	NL 629528835	Delta Assist		Concert	Commander	Gfw		67	+212	-12	0	72	+1104	+0.07	+0.03	-0.05	+54	+41	+55	+298	-19	+13	59	+280	102	105	103	103	102	99	101	72	97	101	108	101	104					
AWE	LU 799597335	Grenat		Gymnast	Silver	Gfw		65	+211	+15	0	71	+1191	+0.35	+0.02	+0.02	+86	+43	+56	+374	-9	+4	56	+347	100	100	102	96	103	106	102	72	104	103	109	102	107					
Kam	NL 587060341	Holbra Stranger		Ranger	Balisto	Gfw		63	+211	<i>n</i>	0	71	+736	+0.27	+0.29	+0.01	+57	+53	+35	+348	<i>n</i>	-10	56	+401	100	103	100	103	102	106	102	72	101	100	102	104	103					
Gex	US 3141657568	Blumenfeld Blwtch Racket		Blowtorch	Altaspring	IGfw		56	+211	-2	0	64	+1227	+0.17	-0.03	+0.00	+69	+40	+56	+326	+4	-12	43	+389	103	104	104		101	102	68	97	102	105	99	102						
ABS	US 3142332725	Pine-Tree Advisor		Achiever	Supersire	IGfw		56	+211	+4	0	65	+865	+0.37	+0.06	-0.01	+73	+36	+39	+313	+22	+6	41	+438	104	104	104		99		70	102	103	101	99	101						
WWS	US 3145055197	S-S-1 Bg Frazzled Speedy		Frazzled	Marty	IGfw		56	+211	-3	0	64	+1865	-0.26	-0.20	+0.00	+51	+43	+85	+309	-7	-17	40																			

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

NVImelkdoel = 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
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLI

Persppublicatie stierindexen Zwartbont genomisch zonder dochters

Augustus 2020

Ki	Stiernummer	Stiernaam	Erf-fact	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-fact	Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	KgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T					
Melkdoel Zwart										pnt	Productie										€	€	Functioneel										Exterieur									
Mas	DE 0359171040	Supercup		Shep	Balisto	Gfw		66	+208	+22	0	71	+1772	-0.14	+0.02	+0.02	+60	+64	+83	+413	+25	+7	56	+491	103	98	104	99	103	101	100	71	96	100	106	95	99					
CRV	US 3140616174	Sandy-Valley Champion		Superhero	Silver	Gfw		63	+208	+5	0	71	+1265	+0.36	-0.05	-0.04	+90	+39	+54	+365	-2	-11	57	+306	105	103	104	99	103	101	99	72	97	104	108	94	101					
ABS	US 3135245758	Abs Mansur		Afterburner	Josuper	IGfw		57	+208	+3	0	65	+1364	+0.04	+0.02	+0.00	+62	+50	+62	+354	-6	-45	45	+351	107	103	105	100	103	95		69	104	102	101	96	100					
Mas	DE 0360215365	B H Gin Tonics		Gymnast	Shep	Gfw		65	+208	+22	0	71	+1720	-0.14	-0.10	-0.06	+58	+49	+72	+344	+6	-25	55	+426	103	103	105	98	104	93	100	71	102	103	102	99	102					
WWS	US 3150899574	Berryridge Ssi Sol Chase		Solution	Helix	IGfw		52	+208	-8	0	60	+1151	+0.16	-0.04	-0.01	+65	+36	+52	+300	-18	-8	38	+437	102	103	107	100		102		63	94	103	108	100	103					
Tot	CZ 00004812406	No-Pe Zekon		Superhero	Woodcrest Moj	IGfw		61	+208	+4	0	70	+1314	-0.08	-0.07	+0.00	+48	+39	+60	+279	+29	-2	48	+488	101	107	104	100	101	106		73	100	105	105	98	102					
ABS	US 3141494589	Wilra Abs Amplify		Achiever	Hotshot	IGfw		54	+208	-12	0	63	+599	+0.41	+0.11	+0.00	+64	+31	+27	+270	+3	+5	39	+516	103	104	106			100		67	94	103	104	100	101					
Sam	US 3146617760	Bofran Fleury		Score	Detour	IGfw		50	+208	-2	0	57	+149	+0.51	+0.19	-0.01	+52	+22	+6	+201	-13	-19	38	+566	104	105	105	98		106		63	101	104	111	102	108					
CRV	US 3147839955	Peak Maximo		Imax	Jedi	Gfw		62	+207	+7	0	71	+1387	+0.10	-0.05	+0.00	+69	+43	+63	+340	+11	-11	53	+348	101	105	104	103	101	101	100	71	103	104	107	97	104					
WWS	CA 40000062	Vogue Limelight-P		Altaspice	Supershot	IGfw		52	+207	-6	0	60	+879	+0.25	+0.12	+0.00	+62	+42	+40	+314	-16	+13	39	+380	105	101	102		105	103		63	99	101	110	99	105					
Kam	NL 627039119	Weinterper Rentree		Ranger	Headliner	Gfw		63	+207	n	0	71	+1037	+0.11	+0.05	+0.02	+55	+41	+49	+298	n	-2	56	+427	104	101	103	103	102	102	102	72	103	102	106	102	105					
Kam	NL 929276638	Creijland Danny	RF	Danno	Jerudo	Gfw		65	+207	+1	0	72	+1223	-0.15	-0.04	+0.04	+37	+39	+60	+256	+6	-7	61	+317	108	103	102	101	103	98	101	72	95	98	100	105	101					
Gex	US 3149282288	Mahr-Bross Scuttle Dandy		Pine-Tree Wildi	Mr Oak Delco t	IGfw		54	+207	-17	0	62	+647	+0.27	+0.07	-0.01	+53	+29	+29	+239	-26	+34	39	+480	104	105	106	103		98		67	98	100	106	98	102					
Adv	NL 677841805	Delores Ahl Chucky		Chuck	Racer	Gfw		66	+207	-12	0	71	+500	+0.20	+0.04	+0.08	+40	+21	+30	+179	-21	-29	58	+378	107	104	107	103	103	96	102	72	104	105	112	104	110					
STG	US 3139851164	Kings-Ransom Score		Bandares	Supershot	IGfw		63	+207	-2	0	70	+132	+0.46	+0.14	+0.00	+47	+17	+6	+170	+2	-27	50	+658	106	105	105	99	103	105		74	104	105	111	101	108					
WWS	US 3139490455	Fustead S-S-I Solution		Frazzled	Rubicon	IGfw		56	+206	-10	0	64	+1728	-0.04	-0.17	-0.01	+69	+42	+78	+341	+0	+1	42	+382	104	100	107	95	103	101		69	99	103	104	100	102					
Sem	CA 12857528	Silverridge V Einstein		Topnotch	Duke	IGfw		53	+206	+8	0	61	+1230	+0.16	+0.01	+0.00	+68	+44	+56	+340	-8	-23	39	+510	105	104	101			99		67	102	106	107	92	101					
ABS	US 3140239392	Matcrest Dewey		Pine - Tree Bur	Mr Mogul Delta	IGfw		53	+206	-5	0	61	+1498	+0.04	-0.10	+0.00	+68	+42	+68	+335	+4	+7	39	+439	101	102	103			104		65	97	102	107	100	103					
Kam	NL 634309531	Rhala Ex Blackbush		Bushman	Balisto	Gfw		64	+206	+10	0	71	+1536	-0.23	-0.07	+0.03	+41	+46	+73	+297	+3	-28	58	+402	105	100	103	101	104	97	102	72	101	102	107	104	106					
ABS	NL 715952043	Schreur Shimmer	RF	Salvatore Rc	Rubicon	IGfw		57	+206	-6	0	65	+1755	-0.27	-0.21	+0.00	+46	+39	+80	+281	-5	-7	44	+438	104	102	103	103	102	100		69	98	103	109	102	106					
Kam	NL 733557981	Holbra Adori		Adorable	Balisto	Gfw		63	+206	+2	0	71	+889	+0.03	+0.07	+0.05	+41	+38	+45	+255	+7	-28	57	+466	104	103	100	100	100	98	103	72	99	104	109	103	107					
CRV	NL 944581881	Delta Bouncer		Brentano	Jasper	Gfw		65	+206	-1	0	72	+435	+0.25	+0.20	+0.03	+42	+34	+23	+235	-3	-1	59	+444	105	106	101	105	102	99	99	72	100	101	109	100	105					
Sem	CA 12638241	Westcoat Athabaska		Euclid	Mvp	IGfw		60	+206	-11	0	69	+967	+0.13	-0.09	+0.00	+54	+25	+44	+229	-6	-21	46	+491	104	106	103	97	103	101		72	103	103	108	101	106					
Sem	CA 13198701	Stantons Epoxy		Positive	Modesty	IGfw		53	+205	+11	0	61	+1121	+0.52	+0.01	+0.00	+99	+40	+51	+387	-11	+20	39	+309	102	101	104	100		100		65	103	102	107	96	103					
Alt	CA 12948857	Peak Altaklaebo		Guarantee	Jedi	IGfw		55	+205	+1	0	63	+1175	+0.17	+0.09	-0.01	+67	+50	+53	+362	+20	-8	40	+251	103	105	106	103	104	104		67	99	102	106	93	99					
Sem	US 3139198246	Cookiecutter Hilltop		Challenger	Josuper	IGfw		52	+205	-4	0	60	+1447	+0.07	-0.08	+0.00	+69	+42	+66	+337	-19	-10	38	+367	102	105	104	101		103		63	98	103	107	95	101					
STG	US 3132352407	St Gen Superhero Swift		Superhero	Co-Op Day Tuf	IGfw		63	+205	+3	0	71	+1641	-0.26	-0.05	-0.01	+42	+52	+74	+324	+9	-29	49	+484	102	102	101	99	103	106		74	103	103	111	100	107					
LIV	US 3132353723	San-Dan Noble Stockton		Noble	Rubicon	IGfw		61	+205	-2	0	69	+1410	+0.09	-0.12	+0.00	+69	+37	+64	+316	-13	-22	46	+567	103	103	103		106	102		72	102	104	108	96	103					
Sem	US 3199701886	Ocd Silverchair		Positive	Gatedancer	IGfw		52	+205	-11	0	60	+731	+0.47	+0.09	+0.00	+76	+34	+33	+309	+0	+4	38	+385	103	106	106	103		102		64	101	104	103	95	100					
ABS	US 3137878481	Bomaz Skywalker		Jedi	Cabriolet	IGfw		63	+205	-19	0	72	+816	+0.21	+0.14	+0.00	+55	+42	+37	+299	-28	+20	49	+379	102	104	108	107	105	103		74	96	101	109	96	102					
ABS	IT 036990601858	Dotti Medley Orthild		Medley	Silver	IGfw		53	+205	+7	0	61	+917	+0.34	+0.00	-0.01	+72	+32	+41	+295	+9	-27	39	+484	102	102	105	98		104		65	101	103	109	102	107					
DE	0770329056	Review		Regard	Balisto	Gfw		68	+205	+17	0	72	+1108	+0.10	-0.02	-0.03	+57	+37	+48	+286	+15	+32	60	+454	106	99	105	99	101	106	102	72	99	99	108	99	103					
CRV	NL 765755447	Peeldijker Locker		Baltikum	Bube	Gfw		67	+205	+1	0	72	+779	+0.48	-0.01	+0.01	+79	+26	+37	+284	+15	+35	59	+356	104	103	100	102	99	100	101	72	98	98	106	101	103					
CRV	NL 941050441	Delta Beatbox		Amigo	Fanatic	Gfw		72	+205	+13	0	72	+897	+0.10	+0.08	-0.06																										

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

NVImelkdoel = 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
NVIdubbeldoel = 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

Augustus 2020

Ki	Stiernummer	Stiernaam	Erf-fact	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-fact	Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	KgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T					
Melkdoel Zwart										pnt	Productie										€	€	Functioneel										Exterieur									
ABS	UK 70604250433	Denovo Quartz		Spectre	Supershot	IGfw		55	+201	-6	0	62	+1491	+0.04	-0.12	+0.00	+67	+39	+68	+321	+15	+1	43	+459	102	101	103	96	103	100		67	102	103	104	102	104					
SZO	IT 19991738334	Idevra Pegasus		Spectre	Octavian	IGfw		54	+201	-2	0	62	+1238	+0.10	-0.03	-0.01	+63	+40	+56	+313	+0	-37	41	+414	104	102	105	95	104	100		67	104	105	106	100	105					
WWS	US 3145229924	Peak Chilton		Altarobson	Supershot	IGfw		60	+201	n	0	69	+1035	+0.02	+0.10	+0.00	+46	+46	+47	+299	n	-13	44	+440	99	106	104	97	105	103		72	99	105	105	100	103					
Sem	DE 0539843407	Wildier Mark	RF	Apprentice	Supershot	IGfw		56	+201	+0	0	64	+1706	-0.22	-0.21	-0.01	+49	+37	+77	+278	-22	-37	44	+429	101	106	104	101	104	100		68	104	103	108	100	106					
CRV	NL 677064558	Delta Jury		Jorben	Crescendo	Gfw		67	+201	-4	0	72	+1465	-0.34	-0.05	+0.04	+27	+46	+71	+267	-31	-16	59	+291	105	103	109	104	99	97	102	72	101	103	104	101	103					
CRV	US 3133191111	Mikenny Enhance		Flagship	Montross	Gfw		63	+201	+1	0	71	+923	+0.12	+0.03	+0.05	+51	+35	+47	+265	-15	+11	57	+558	103	104	104	103	106	102	101	72	100	103	107	96	102					
	US 3138483531	Siemens S Hero Sure Roz		Superhero	Mr Mogul Delta	IGfw		61	+201	-2	0	70	+1363	-0.19	-0.17	+0.00	+38	+30	+62	+221	+4	-2	48	+588	104	105	104	104	105		72	100	105	111	97	105						
CRV	CZ 053823748	Delta Lucid		Magister	Sunfish	Gfw		66	+201	-15	0	71	+84	+0.18	+0.15	+0.00	+20	+16	+4	+109	-40	+30	58	+524	106	105	106	105	102	100	104	72	98	101	109	103	106					
Alt	US 3142181103	Peak Altaingold		Hotline	Supershot	IGfw		56	+200	+5	0	64	+1577	-0.09	-0.04	+0.00	+57	+51	+72	+350	+22	+5	44	+440	101	102	104	100	102	100		69	97	100	107	103	104					
Mas	NL 571956755	Monroy		Monterey	Supersire	Gfw		67	+200	-4	0	72	+1657	-0.05	-0.11	-0.01	+65	+46	+75	+348	-20	-6	58	+429	102	102	107	96	106	104	100	72	101	104	104	96	101					
ABS	US 3199701036	Ocd Rasmus Dahlin		Yoda	Mr Pre Director	IGfw		53	+200	+4	0	61	+939	+0.33	+0.04	-0.01	+72	+37	+42	+316	-10	-14	39	+491	100	104	106	99		104		66	101	103	109	96	103					
Alt	US 3142181239	Peak Altaagotado	RF	Frazzled	Woodcrest Mo	IGfw		53	+200	+5	0	61	+1558	+0.00	-0.18	+0.00	+66	+36	+71	+308	+5	-7	39	+373	103	104	105		103	102		66	100	102	104	98	101					
ABS	US 3150607556	Denovo 15476 Hendrix		Honda	Sandy-Valley E	IGfw		52	+200	-11	0	60	+1061	+0.11	+0.05	+0.00	+56	+42	+48	+304	-22	-18	37	+371	101	105	105	104	103			63	100	103	108	98	104					
Kam	NL 580721821	Poppe Red Hot Neymar	RF	Board	Snow Rf	Gfw		64	+200	+8	0	72	+576	+0.31	+0.25	+0.09	+54	+44	+35	+304	+14	+9	58	+259	106	103	101	101	100	97	101	72	100	102	100	101	101					
Mas	NL 750760885	Jameson		Jetset	Balisto	Gfw		67	+200	+11	0	72	+1031	-0.04	+0.02	+0.06	+40	+38	+53	+256	+2	-12	59	+567	106	99	101	105	103	99	103	72	99	102	115	99	107					
Kam	NL 679760278	Sudena Maverick	RF	Jacobus	Carnival	Gfw		64	+200	n	0	72	+1041	-0.04	+0.02	+0.09	+40	+38	+56	+254	n	-35	58	+385	104	102	104	103	98	99	105	76	101	106	105	104	106					
Mas	US 3143553039	Superday		Superhero	Rubicon	Gfw		65	+199	-2	0	71	+1887	-0.13	+0.02	+0.06	+66	+68	+93	+445	+5	+9	56	+242	100	99	101	100	100	96	98	72	99	103	107	99	103					
Kam	NL 688317254	G. N. Almera	RF	Laurent P Rf	Supersire	Gfw		63	+199	-1	0	71	+1793	-0.20	+0.02	-0.03	+55	+64	+79	+402	+12	-4	57	+296	100	99	101	95	103	98	102	72	103	102	106	101	105					
Kam	NL 668543327	Vekis Carry On		Bourbon	Kingboy	Gfw		63	+199	-13	0	71	+1495	+0.06	+0.03	+0.02	+70	+55	+70	+394	-3	-4	57	+326	103	99	106	98	102	98	99	72	102	104	106	97	103					
CRV	US 3014562289	Sandy-Valley Axxon		S-S-I Eraser P	De-Su Nominer	Gfw		65	+199	+9	0	71	+1579	-0.02	+0.00	+0.10	+65	+55	+83	+387	-4	-18	55	+331	98	101	101	98	104	108	102	71	100	102	110	100	106					
Gex	US 3149798696	Maplehurst Delroy Torro		S-S-I Bg Duke I	IGfw			53	+199	-6	0	62	+1159	+0.29	+0.10	-0.01	+78	+50	+52	+384	-13	+44	36	+142	103	101	105	101		103		66	97	100	105	96	100					
ABS	UK 70604270432	Denovo Zoltar		Dg Charley	Mr Mogul Delta	IGfw		56	+199	+3	0	64	+1560	-0.20	-0.08	+0.00	+45	+46	+71	+304	+31	-18	43	+535	105	101	105		106	101		67	95	103	104	98	100					
Alt	US 3200824169	Peak Altaflashback		Positive	Altarobson	IGfw		52	+199	n	0	60	+636	+0.35	+0.19	+0.00	+60	+40	+29	+299	n	-46	37	+465	102	104	105	98		103		64	103	104	111	97	106					
Mas	US 3139851175	Supermax		Superfly	Kingboy	Gfw		65	+199	+18	0	71	+1329	-0.11	-0.13	-0.02	+45	+33	+59	+248	-15	-31	55	+457	105	104	108	104	98	100	102	70	106	105	107	97	105					
STG	US 3132350249	Mr Detour High Noon		Detour	De-Su Nominer	IGfw		56	+199	+1	0	64	+1046	-0.05	-0.01	-0.01	+39	+35	+47	+240	+3	+31	43	+475	101	105	105		102	105		67	96	98	107	100	102					
CRV	US 3134106782	Matcrest Zeppelin		Ferdinand	Spruce-Haven	Gfw		63	+198	-20	0	71	+1833	-0.32	-0.12	+0.02	+44	+51	+86	+327	-33	+1	55	+488	99	102	104	100	103	109	102	71	99	101	108	98	103					
CRV	US 3134408742	Peak Firewall		Altfirecup	Woodcrest Mo	Gfw		66	+198	-10	0	71	+822	+0.48	+0.00	-0.07	+81	+29	+31	+298	+0	+17	57	+323	99	103	108	103	102	104	103	71	102	102	101	103	103					
Sem	US 3150452154	Fairmont Ridgeline		Topnotch	Mr Mogul Delta	IGfw		54	+198	-2	0	62	+1431	-0.12	-0.15	+0.00	+48	+34	+65	+260	-14	+0	38	+463	104	104	106	99		103		67	100	101	109	96	103					
CRV	US 3130792505	Bush-Bros Mdwy Exclusive		Bush-Bros Mdi	De-Su Nominer	Gfw		64	+198	+15	0	70	+153	+0.49	+0.11	-0.02	+51	+15	+5	+170	+16	+42	53	+365	101	108	108	111	105	107	102	69	95	100	107	101	103					
Dek	CA 12380002	Progenesis Flame Hotshot 182		Hotshot	Halogen	Gfw		67	+198	-15	0	71	+329	+0.32	+0.05	+0.03	+43	+16	+18	+161	-24	+11	55	+331	108	107	99	97	102	100	101	71	96	100	106	103	104					
WWS	US 3142934562	Ocd Helix Milford		Helix	Mr Mogul Delta	IGfw		56	+197	-20	0	65	+1293	+0.23	-0.03	+0.00	+78	+42	+59	+354	-28	-3	43	+370	102	101	103		103	102		69	98	103	105	99	102					
Mas	US 3139851225	Himark		Granite	Silver	Gfw		65	+197	+17	0	71	+1607	+0.03	-0.16	-0.01	+71	+39	+72	+331	+2	+10	54	+367	100	104	101	101	102	105	99	71	96	101	109	98	103					
Kam	NL 920148129	Kik Stokhaar Anena		Nirvana	Solero	Gfw		71	+197	n	0	78	+1074	+0.04	+0.12	+0.04	+50	+49	+53	+321	n	+25	67	+347	102	101	102	96	101	99	102	80	98	100	106	100						

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

NVImelkdoel = 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
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLI

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Ki	Stiernummer	Stiernaam	Erf-fact	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-fact	Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	KgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T					
Melkdoel Zwart										pnt	Productie										€	€	Functioneel										Exterieur									
WWS	US 3149513988	Clear-Echo Tahti Truxton		Tahiti	Bandares	IGfw		52	+194	+0	0	60	+1376	+0,07	-0,09	-0,01	+66	+39	+62	+317	+8	-2	38	+389	99	102	104	99		106		63	97	102	112	100	106					
CRV	US 3205436450	Peak Camden		Altarobert	Jedi	Gfw		60	+194	-13	0	69	+1277	+0,07	-0,03	+0,04	+61	+41	+62	+315	-10	-13	51	+425	100	104	105	101	107	103	101	69	101	104	104	98	102					
Alt	US 3200824632	Peak Altaurge		Challenger	Modesty	IGfw		51	+194	<i>n</i>	0	57	+503	+0,52	+0,08	-0,01	+70	+25	+22	+256	<i>n</i>	+12	38	+363	102	106	106	98		102		64	96	102	107	97	101					
K&L	DK 03754605848	Vh Solbakken Kasi Rc Kilmer		Vh Tirsvad Kan	Fageno	Gfw		66	+194	+7	0	71	+975	-0,17	-0,04	-0,04	+25	+30	+41	+188	+13	-42	55	+423	104	107	102	100	99	102	101	71	100	104	112	101	107					
STG	US 3132353459	St Gen Noble Poncho		Noble	Profit	IGfw		57	+194	-11	0	64	+733	+0,09	-0,11	+0,00	+40	+15	+33	+155	-15	+0	46	+577	106	106	105		101	102		68	99	102	112	97	105					
Tot	NL 727982759	Dg Bertin		Missouri	Smurf	Gfw		67	+193	-4	0	72	+2671	-0,51	-0,23	-0,02	+54	+67	+120	+424	-7	+35	58	+370	100	96	104	103	98	100	102	72	94	98	105	97	99					
Sem	CA 12731153	Claynook Fivestar		Imax	Modesty	IGfw		55	+193	-5	0	63	+1134	+0,10	+0,03	-0,01	+58	+42	+51	+309	+6	-30	41	+352	100	103	106	103	101	105		68	101	105	110	100	106					
Sem	CA 12608917	Progenesis Kristoff	CD	Willsbro Abbott	Supershot	IGfw		57	+193	-10	0	64	+1333	-0,11	-0,05	-0,01	+45	+41	+60	+281	-15	-23	43	+468	104	101	106	100	105	99		70	99	102	109	99	104					
Alt	US 3142181416	Peak Altaabba		Blowtorch	Rubicon	IGfw		56	+193	+2	0	64	+1124	+0,07	-0,13	+0,00	+55	+26	+51	+237	+5	-32	44	+340	104	104	109	103	105	102		68	103	104	108	101	106					
Sem	CA 12948889	Progenesis Powerhouse		Bandares	Jedi	IGfw		56	+193	-22	0	64	+542	+0,09	+0,18	-0,01	+31	+36	+24	+220	-6	-38	44	+420	106	106	103	99	105	102		68	102	104	111	97	105					
CRV	US 3132381988	Crv-Delta Success		Altageunity	Jerod	Gfw		64	+193	-4	0	71	+710	-0,11	+0,10	+0,08	+20	+34	+40	+193	-22	+22	57	+521	102	103	103	104	104	101	103	72	96	99	111	102	106					
Alt	US 3145229971	Peak Altaigre		Dg Charley	Mr Mogul Delta	IGfw		58	+193	+0	0	66	+890	-0,15	+0,01	-0,01	+23	+32	+40	+192	+16	+8	45	+576	106	105	109	101	104	101		70	97	100	106	95	100					
Alt	US 3150701313	Peak Altaolaf		Blumenfeld Jec	Mr Oak Delco t	IGfw		52	+192	+6	0	60	+1991	-0,24	-0,25	-0,01	+58	+42	+90	+321	+4	+10	38	+305	102	105	105	101		102		63	102	102	107	93	101					
GGI	DE 1269513509	Mandos		Magister	Missouri	Gfw		66	+192	+5	0	71	+1580	-0,36	-0,06	+0,04	+30	+49	+76	+287	-13	-9	58	+387	102	103	104	102	102	101	102	72	102	103	106	99	104					
CRV	BE 118490129	Vendairy Watchman		Jorben	Silver	Gfw		67	+192	-23	0	72	+803	+0,15	+0,15	+0,00	+49	+42	+37	+286	-47	-53	59	+287	104	103	102	103	99	97	104	72	105	106	110	99	107					
Tot	US 3138817712	Welcome Khal		Dg Charley	Damaris	IGfw		56	+192	-9	0	64	+1733	-0,35	-0,17	+0,00	+37	+42	+79	+274	-10	+42	43	+389	104	101	105	98	105	101		67	94	99	104	100	100					
Ves	NL 595849688	Mars Frassino		Topgear	Missouri	IGfw		54	+192	+3	0	60	+1495	-0,45	-0,11	+0,00	+17	+41	+68	+224	+5	-2	45	+440	106	102	104	100	98	95		67	96	101	103	104	103					
ABS	US 3141559772	Denovo 14378 Afton		Achiever	Mr Mogul Delta	IGfw		53	+192	-2	0	61	+782	+0,24	-0,10	-0,01	+56	+18	+35	+202	+13	+14	38	+534	102	106	105		105		64	97	103	105	100	102						
Alt	US 3147839890	Peak Altaindigo		Imax	Draco	IGfw		55	+191	-10	0	63	+1423	+0,07	-0,02	-0,01	+68	+47	+64	+355	+4	-39	41	+410	101	101	103		103	103		67	104	106	109	98	106					
Alt	US 3147840005	Peak Altskokkie		Ocd Spring Sar	Silver	IGfw		54	+191	+9	0	62	+1196	+0,18	+0,03	-0,01	+69	+45	+54	+346	+21	-31	39	+318	102	102	104	99		100		65	103	103	105	99	103					
Alt	US 3138498783	Peak Lexell		Superhero	Monterey	IGfw		61	+191	+6	0	71	+1314	-0,14	-0,06	+0,00	+41	+40	+60	+268	+22	-19	48	+397	103	103	105		103	105		73	99	103	112	98	105					
Mas	NL 571956700	Heidenskipster Spitfire		Salvatore Rc	Montross	Gfw		66	+191	-13	0	71	+927	+0,25	-0,06	+0,10	+64	+26	+52	+257	-20	-11	57	+310	103	104	105	102	105	103	102	72	99	104	111	98	105					
Sem	CA 12731113	Claynook Discjockey		Fortune	Monterey	IGfw		59	+191	+15	0	69	+916	+0,11	-0,03	-0,01	+50	+29	+41	+236	-5	-46	44	+347	104	103	104	99	101	100		71	100	103	119	100	111					
Sam	NL 657510961	Gen Porto		Benz	Modesty	IGfw		55	+191	-7	0	62	+244	+0,33	+0,17	+0,00	+40	+24	+11	+186	-4	+5	41	+364	104	107	106	106		106		67	97	100	109	99	103					
GGI	DE 0770217596	Barbados		Battlecry	Racer	Gfw		67	+191	-6	0	72	+478	+0,29	+0,00	-0,04	+47	+17	+18	+174	+1	-17	58	+488	106	103	102	98	106	99	103	72	100	103	111	102	107					
Alt	US 3147840163	Peak Altaritz		Anakin	Edg Mogul Rug	IGfw		53	+190	+6	0	61	+1397	+0,11	-0,05	-0,01	+71	+44	+63	+348	+19	-8	38	+199	100	103	104	97	104	103		66	97	102	110	98	104					
GGI	DE 0667098879	My Time	PP	Mission P	Ocean Pp	Gfw		66	+190	+0	0	71	+757	+0,28	+0,24	+0,01	+59	+49	+36	+336	-6	+55	56	+264	102	103	102	102	101	98	99	72	90	98	106	95	97					
Alt	US 3140986372	Peak Altadateline		Hotline	Montross	IGfw		58	+190	-9	0	65	+1374	-0,10	-0,03	-0,01	+48	+45	+62	+304	-11	-38	45	+284	106	101	104	101	102	101		71	103	102	111	98	106					
Tot	US 3139851226	Kings-Ransom G Dylan		Granite	Mr Mogul Delta	IGfw		65	+190	-2	0	71	+896	+0,13	+0,09	+0,03	+51	+40	+44	+284	-16	+43	53	+263	102	103	105	102	102	100	97	71	100	99	113	98	106					
Tot	NL 571956748	Heidenskipster Santana		Silver	Supersire	Gfw		68	+190	-16	0	72	+1386	-0,12	-0,13	+0,06	+46	+35	+69	+261	-7	-2	61	+524	100	104	105	101	104	106	101	72	100	103	106	99	103					
STG	US 3132353430	Mr Wings Flyer		Butz-Hill Silve	Mr Mogul Delta	IGfw		54	+190	+2	0	62	+1015	+0,19	-0,08	+0,00	+62	+27	+46	+255	+2	-10	40	+493	105	102	101	98		104		65	102	103	109	99	105					
DE	0770555951	Chakaponk		Chassy	Commander	Gfw		65	+190	-5	0	71	+1046	-0,03	-0,01	+0,10	+41	+35	+58	+247	+15	+33	55	+502	104	101	105	102	106	98	102	71	99	100	108	97	102					
Sem	CA 13030395																																									

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

NVImelkdoel = 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
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLI

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Ki	Stiernummer	Stiernaam	Erf-fact	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-fact	Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	KgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T			
Melkdoel Zwart											Productie										Functioneel										Exterieur									
Sem	CA 12719230	Progenesis Parachute		Superhero	Rubicon	IGfw		56	+185	+1	0	64	+1252	+0,16	-0,07	+0,00	+69	+37	+57	+314	+8	-42	43	+377	101	102	106	103	104	101		67	104	105	108	99	106			
Alt	US 3138766709	Aardema Altanixie		Altarobson	Woodcrest Mo	IGfw		53	+185	-6	0	61	+160	+0,62	+0,34	+0,00	+63	+36	+7	+282	-25	-11	38	+336	100	103	106	103	102	106		65	100	104	108	101	105			
CRV	US 3132426438	Peak Fanning		Edg Mogul Rug	Supersire	Gfw		66	+185	+22	0	71	+902	+0,15	+0,01	+0,00	+53	+32	+41	+255	+12	+12	56	+386	103	104	107	100	103	96	99	71	98	101	102	99	100			
Kam	NL 622923033	Newhouse Racoon		Magister	Platinum	Gfw		64	+185	+4	0	71	+1076	-0,08	-0,03	-0,03	+38	+34	+46	+233	-13	-39	58	+436	103	106	101	100	102	101	101	72	106	105	109	98	106			
CRV	US 144116797	Gil-Gar Fumagalli		Altaamulet	De-Su Altaleaf	Gfw		63	+185	+4	0	71	+634	+0,20	+0,03	-0,05	+46	+25	+24	+206	-7	-28	56	+486	103	105	100	96	108	107	103	71	106	106	109	100	107			
WWS	US 3142352034	Trent-Way-Js Ronald	RF	Salvatore Rc	Silver	IGfw		62	+185	-3	0	71	+1115	-0,16	-0,13	-0,01	+31	+26	+50	+187	-17	-17	49	+426	104	104	104	102	101		73	99	104	114	101	108				
STG	US 3142704383	Tjr Noble Caribbean		Noble	Mr Mogul Delta	IGfw		53	+185	-5	0	61	+1469	-0,26	-0,29	+0,00	+35	+21	+67	+180	+2	+9	39	+504	99	108	104			107		65	101	103	110	100	106			
Ves	DE 0540355289	Wildier Kitami PP	RF PP	Hotspot P	Salvatore Rc	IGfw		51	+184	+4	0	58	+1304	+0,10	+0,08	-0,01	+65	+54	+59	+376	-6	-46	36	+390	98	101		105		102		59	101	103	107	101	105			
CRV	US 3134407036	Lexvold Mason		Spark	Velhuis B Ahea	Gfw		66	+184	-2	0	71	+2267	-0,42	-0,23	+0,06	+49	+53	+110	+353	-5	+28	56	+425	103	99	101	99	103	96	98	71	98	102	103	98	100			
Gex	NL 648499062	Peak Whistle		Frazzled	Jedi	IGfw		54	+184	-11	0	62	+2068	-0,36	-0,21	+0,00	+48	+49	+94	+330	-9	-22	40	+432	103	101	103	98	104	103		66	97	103	106	96	101			
Alt	US 3142181523	Peak Altavelvet		Hotline	Altaspring	IGfw		56	+184	+2	0	64	+740	+0,54	+0,03	-0,01	+83	+29	+33	+303	+39	-66	44	+290	105	99	104	99	101	103		68	100	102	111	103	108			
Alt	CA 13099149	Progenesis Altaseura		Marius	Modesty	IGfw		51	+184	n	0	58	+955	+0,06	+0,12	-0,01	+46	+45	+43	+294	n	+17	38	+280	100	106	107	106		102		64	96	100	104	95	98			
Exc	ES 1704321133	Gener Super Spri Ng		Altaspring	Supersire	Gfw		67	+184	+8	0	72	+1269	-0,03	-0,11	-0,02	+51	+33	+56	+259	+3	-8	59	+332	103	104	104	103	103	102	102	72	105	105	110	96	105			
CRV	US 3135379077	Ronjanco Furtivo		Achiever	Josuper	Gfw		62	+184	+4	0	71	+919	+0,32	-0,11	-0,08	+70	+21	+34	+243	-8	+25	52	+256	102	105	106	97	103	103	100	71	98	102	107	99	103			
ABS	US 3141494321	Abs Jeronimo P		Superhero	Powerball P	IGfw		56	+184	-14	0	64	+216	+0,57	+0,16	-0,01	+61	+22	+9	+221	-3	+16	43	+412	104	105	103		105	105		67	100	102	108	97	103			
Alt	US 3145229983	Peak Altalfyhigh		Altalfywheel	Silver	IGfw		57	+184	+10	0	65	+540	+0,31	+0,03	-0,01	+52	+22	+24	+207	+22	-60	44	+441	105	104	106	99	105	103		68	103	105	111	100	107			
CRV	NL 623901612	Delta Surrender PP	PP	Laurent P Rf	Atlantic	Gfw		67	+184	+18	0	72	+170	+0,55	+0,17	-0,06	+57	+21	+2	+206	+10	-35	58	+481	106	101	101	98	100	97	105	72	105	105	104	104	106			
Alt	US 3139733266	Peak Altacopro		Helix	Montross	IGfw		58	+183	-12	0	66	+2238	-0,32	-0,29	+0,00	+59	+46	+102	+343	-29	-45	45	+349	105	101	103		104	102		71	102	102	106	95	101			
Gex	US 3132117270	Pine-Tree Ragen Hagar		Fairmont Stoic	Pure	IGfw		60	+183	-14	0	69	+1199	+0,03	+0,01	-0,01	+54	+43	+54	+306	-19	-11	45	+387	101	101	105		101	104		71	98	102	109	99	104			
Tot	NL 711611234	De Oosterhof Dg Helios		Doorsopen	Tango	Gfw		66	+183	+21	0	72	+1330	-0,11	-0,09	+0,00	+45	+37	+61	+265	-12	-11	58	+372	108	98	106	98	102	98	101	72	98	103	110	98	104			
Sam	DE 0360215264	Cbl Raven		Gymnast	Icône	IGfw		55	+183	+13	0	63	+614	+0,30	+0,03	+0,00	+54	+24	+28	+220	+12	-16	41	+410	104	104	102		104	99		67	101	102	110	100	106			
Mas	DE 0359741455	Axminster		De-Su 12138 A	Woodcrest Mo	Gfw		66	+182	+9	0	71	+1505	+0,11	-0,03	-0,01	+75	+49	+68	+379	+4	+12	55	+376	100	98	100	95	103	104	99	71	102	102	105	101	104			
ABS	US 3138573646	Wilra Burnett		Pine - Tree Bur	Woodcrest Mo	IGfw		54	+182	+1	0	62	+718	+0,74	+0,05	-0,01	+101	+30	+32	+345	+16	-5	40	+300	100	99	102			104		66	97	102	107	103	105			
STG	US 3132353072	Mr Dynasty Nashville		Dynasty	De-Su Nominer	IGfw		56	+182	-28	0	65	+1117	-0,01	-0,02	+0,00	+46	+37	+51	+264	-84	+24	41	+453	101	103	103		105	102		68	94	101	103	100	100			
Kam	NL 677046772	De Volmer Dumoulin		Dg Charley	Massey	Gfw		64	+182	-1	0	71	+692	+0,31	+0,05	+0,06	+59	+29	+37	+254	+10	+31	58	+735	104	102	103	100	106	99	99	72	101	102	105	100	103			
Kam	NL 654819067	De Vlog Wilsons		Treasure	Jetset	Gfw		61	+182	+3	0	70	+853	+0,19	-0,01	+0,04	+55	+29	+43	+247	+0	-42	54	+302	105	103	108	103	103	99	101	70	103	104	103	101	104			
Sem	CA 12452135	Progenesis Dropkick		Superhero	Kingboy	IGfw		57	+182	-6	0	65	+1049	+0,00	-0,04	-0,01	+44	+33	+47	+242	-5	-43	44	+497	103	102	103	94	103	104		68	101	102	113	100	107			
Sem	US 3141608165	Kings-Ransom Discover		Imax		IGfw		60	+182	-9	0	69	+983	+0,10	-0,11	-0,01	+52	+23	+44	+217	+20	-21	44	+394	103	103	106	102	105	103		72	101	105	114	100	108			
CRV	NL 931310823	Delta Rianto		Lendor	Nelson	Gfw		63	+182	-2	0	69	+367	+0,31	+0,18	-0,00	+44	+29	+17	+216	-11	-22	53	+464	103	99	103	104	97	98	106	70	104	103	109	105	109			
CRV	DE 0539391976	Wildier Smiley	RF	Battlecry	Brekem	Gfw		68	+182	-11	0	72	-133	+0,73	+0,27	-0,09	+58	+19	-14	+196	+0	+32	58	+494	107	101	102	97	105	98	100	79	92	99	106	101	101			
Sem	CA 12648548	Progenesis Maxis		Eugenio	Defender	IGfw		57	+182	-15	0	65	+1071	-0,14	-0,12	-0,01	+32	+25	+48	+184	-20	-27	44	+375	103	106	104		105	103		70	104	102	112	101	108			
ABS	US 3141494407	Abs Zebedee		Spectre	Mr Mogul Delta	IGfw		55	+181	+16	0	63	+1383	+0,17	-0,01	+0,00	+76	+47	+63	+371	+15	-22	42	+316	99	101	105	100	105	103		66	101	104	107	97	103			
Sem	CA 12754526	Westcoat Grandprix		Fortune	Altaspring	IGfw		55	+181	+2	0	63	+1279	+0,02	-0,10	+0,00	+56	+34	+58	+274	-5	-43	40	+501	106	100	105		103	103		67	100	105	112	95	104			
ABS	US 3141494322	Abs Sassafas		Spectre	Rubicon	IGfw		54	+181	-37	0	62																												

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

NVImelkdoel = 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
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLI

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Ki	Stiernummer	Stiernaam	Erf-fact	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-fact	Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T					
Melkdoel Zwart											pnt	Productie										€	Functioneel										Exterieur									
ABS	US 3134408368	De - Su 13759 Potosi		Bourbon	Supershot	IGfw		57	+178	-19	0	65	+1410	-0,35	-0,18	+0,00	+24	+31	+64	+197	-10	-38	44	+591	108	102	103	102	104	100		68	101	102	107	98	103					
CRV	NL 754797793	Vandenberg Delta Nautilus		Penley	Atlantic	Gfw		64	+178	-2	0	72	+929	-0,15	-0,01	-0,07	+25	+31	+36	+190	+2	-18	59	+445	105	104	103	100	102	99	102	72	98	103	104	101	103					
GGI	DE 0122629464	Starello	RF	Styx	Galaxy	Gfw		65	+178	-34	0	71	+1023	-0,20	-0,13	-0,05	+24	+23	+42	+157	-74	-18	55	+314	102	106	104	104	100	101	102	71	99	100	109	105	107					
Alt	US 3145229960	Peak Altamorris		Duke	Rubicon	IGfw		58	+177	+5	0	66	+1441	+0,10	-0,05	-0,01	+71	+45	+65	+353	-18	-11	45	+333	103	99	104	106	105	100		70	102	103	106	96	102					
CRV	US 3014562239	Sandy-Valley Audible		Modesty	Bombero	Gfw		66	+177	-7	0	71	+603	+0,50	+0,19	-0,07	+73	+39	+21	+320	-12	+24	57	+203	98	101	110	105	99	107	102	72	98	100	102	101	101					
Alt	US 3147840201	Peak Altahoisin	BL	Curry	Rubicon	IGfw		54	+177	-32	0	62	+840	+0,41	+0,03	+0,00	+75	+32	+38	+300	-38	-33	40	+402	101	105	106	105	104	103		65	102	105	102	95	100					
SZO	NL 937451236	Schreur Dg Nebula		Dg Charley	Balisto	IGfw		58	+177	-1	0	67	+1631	-0,35	-0,07	+0,00	+32	+49	+74	+290	+22	+11	46	+359	101	102	105		103	99		71	98	99	104	99	101					
Alt	US 3133630023	Butlerview Altaclaim		Supershot	Halogen	IGfw		60	+177	-2	0	67	+1110	-0,03	-0,06	-0,01	+44	+33	+50	+243	+6	-26	49	+399	105	104	104		103	101		72	103	103	101	99	101					
Tot	NL 882387437	Dg Oh Dalvator		Salvatore Rc	Rubicon	IGfw		55	+177	-14	0	62	+1715	-0,35	-0,24	+0,00	+36	+34	+78	+238	-30	-48	43	+363	102	104	104	101	101	100		68	102	106	110	101	107					
STG	US 3132351503	St Gen 1st Grade Colby		1st Grade	Capital Gain	IGfw		60	+177	-10	0	67	+1144	-0,10	-0,25	+0,00	+39	+15	+52	+159	-14	-22	46	+467	107	103	102	98	107	101		71	97	99	114	100	106					
ABS	UK 72794270038	Wiltor Bestman		De-Su 12128 T	Supersire	IGfw		54	+177	-22	0	62	+853	-0,03	-0,12	-0,01	+33	+18	+38	+155	-23	-4	42	+685	107	103	100	102	103	102		65	99	103	107	99	103					
WWS	US 3145229820	Peak Tropic		Hotline	Rubicon	IGfw		57	+176	-38	0	65	+843	+0,33	+0,08	-0,01	+68	+37	+38	+306	-17	-32	45	+444	102	100	103	96	102	105		70	102	104	111	102	108					
STG	US 3130641525	Stantons Escape		Altaspring	Day	IGfw		60	+176	+15	0	68	+1513	-0,19	-0,22	+0,00	+45	+30	+69	+238	+24	-25	49	+243	102	102	104		100	102		71	101	103	110	101	107					
LIV	US 3140986110	Leaninghouse Lgdry Maxim		Legendary	Jacey	IGfw		60	+176	-24	0	69	+1388	-0,29	-0,17	+0,00	+29	+31	+63	+207	-39	-27	46	+523	105	104	100	94	102	98		72	101	103	105	100	103					
Gex	US 3149432426	Winstar Juicy Millenial		Co-Op Aardem	Modesty	IGfw		53	+176	-22	0	62	+564	+0,17	+0,06	-0,01	+40	+25	+25	+194	-53	+25	38	+293	102	106	104	103		103		66	93	99	110	99	103					
Alt	US 3140239377	Matcrest Altacuchillo		Bandares	Mr Mogul Delta	IGfw		58	+176	-3	0	66	+751	+0,05	-0,01	+0,00	+37	+25	+34	+190	-5	-17	44	+420	103	105	105	96	106	107		70	102	104	107	101	105					
STG	US 3132353434	Tjr Duke Dawson		Duke	Draco	IGfw		61	+175	-14	0	68	+2593	-0,44	-0,22	+0,00	+60	+65	+118	+428	-6	-17	48	+289	101	98	102		106	99		72	102	104	110	92	102					
Sem	CA 12638218	Westcoast Alcove		Duke	Mvp	IGfw		61	+175	-12	0	70	+1535	+0,16	-0,06	+0,00	+82	+47	+70	+386	-17	-22	48	+196	99	102	100	99	103	100		73	103	105	105	98	103					
CRV	US 3147987675	Aot Midas-Touch Mucho		Eldorado	Silver	IGfw		56	+175	-7	0	63	+1201	+0,29	-0,03	-0,01	+80	+39	+54	+344	-11	+11	44	+256	101	101	105	101	104	101		67	96	102	105	96	100					
Sem	CA 3140986599	Westcoast Aromas		Harmony	Monterey	IGfw		55	+175	-3	0	63	+1612	-0,15	-0,09	-0,01	+53	+47	+73	+326	+3	-25	40	+329	102	102	103	97	106	101		68	100	103	106	97	102					
ABS	US 3140616509	Sandy-Valley Creamer		Achiever	Silver	IGfw		54	+175	+6	0	62	+883	+0,45	-0,05	+0,00	+81	+26	+40	+289	+5	+1	40	+326	100	101	105		105		67	97	105	106	102	104						
Sem	CA 12719092	Progenesis Dumbledore		Superhero	Kingboy	IGfw		57	+175	+12	0	65	+1652	-0,23	-0,18	+0,00	+46	+39	+75	+279	+2	-52	44	+397	104	100	105	102	103	102		68	104	102	111	99	107					
Kam	NL 606684859	Poppe Red Hot Baricco	RF	Barolo	Snow Rf	Gfw		64	+175	+19	0	72	+739	+0,23	+0,13	+0,03	+53	+38	+37	+278	+13	+31	58	+556	102	103	98	101	97	103	100	72	96	98	106	98	101					
Gex	US 3200824460	Peak Liteup		Marius	Modesty	IGfw		53	+175	-7	0	61	+936	+0,17	+0,02	-0,01	+56	+35	+42	+274	-27	+31	39	+386	104	101	104	104		105		66	94	98	107	95	99					
STG	US 3132352999	St Gen R Agro Esquire		Rubi Agronaut	Powerball P	IGfw		54	+175	-38	0	62	+980	-0,05	+0,06	-0,01	+37	+40	+44	+255	-67	-42	39	+380	104	103	105		98		64	105	105	105	99	104						
Mas	DE 0359821287	Salvo Rdc	RF	Salvatore Rc	Commander	Gfw		66	+175	+8	0	71	+1218	+0,05	-0,14	+0,04	+57	+28	+60	+253	+8	+3	57	+183	104	104	104	104	101	101	99	102	72	98	102	105	98	101				
Sem	CA 12719193	Progenesis Parkavenue		Fortune	Supershot	IGfw		54	+175	-6	0	62	+1726	-0,42	-0,20	-0,01	+29	+39	+78	+244	-18	-73	40	+443	104	104	104		104	98		66	103	103	108	98	105					
Mas	US 3148280154	Daateless		Altadeline	S-S-I Modesty	IGfw		59	+175	<i>n</i>	0	68	+1064	-0,03	-0,05	-0,04	+42	+32	+45	+233	<i>n</i>	-26	51	+336	104	103	105	99	102	102	100	69	97	102	112	98	105					
CRV	NL 660160281	Delta Lustum		Topgear	Let It Snow	Gfw		67	+175	+8	0	72	+573	-0,05	+0,20	-0,08	+20	+39	+19	+208	-16	-51	59	+365	102	100	104	99	100	99	106	72	106	105	105	109	110					
Tot	FR 2716293730	Drakkar Baltasar		Altaspring	Chevrolet	IGfw		60	+175	-7	0	69	+1090	-0,22	-0,08	-0,01	+24	+30	+49	+188	+4	-13	51	+529	101	104	106	100	100	101		74	101	104	107	102	106					
Gex	US 3146911963	Co-Op Duke Endeavor		Duke	Gun	IGfw		56	+174	-16	0	64	+1323	+0,30	+0,11	+0,00	+87	+57	+60	+434	-12	-37	44	+232	99	101	101		103	102		69	103	105	105	94	101					
Alt	US 3144883112	Siemers Healer		King Doc	Monterey	IGfw		55	+174	+14	0	63	+1606	-0,06	-0,13	+0,00	+62	+42	+73	+324	+4	-30	40	+181	101	102	102		103	102		67	99	102	109	100	105					
Sem	US 3140616192	Sandy-Valley Hotspring		Euclid	Montross	IGfw		55	+174	+15	0	63	+1816	-0,30	-0,20	-0,01	+45	+42	+82	+291	+5	-33	42	+115	105	99	102		106	105		68	102	104	108	99	105					
Gex	US 3137661391	Seagull-Bay Ahnder		Achiever	Spruce-Haven	IGfw																																				

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

NVImelkdoel = 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
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLI

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Ki	Stiernummer	Stiernaam	Erf-fact	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-fact	Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	KgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T					
Melkdoel Zwart										pnt	Productie										€	€	Functioneel										Exterieur									
Alt	US 3138498786	Peak Altasnapchat		Jedi	Supershot	IGfw		58	+169	+12	0	66	+1353	-0.18	+0.02	-0.01	+39	+49	+61	+301	-5	+5	47	+390	105	102	106	107	105	98		70	97	102	103	90	96					
Alt	US 3200825100	Peak Altazinny		Altarobert	Jedi	IGfw		52	+169	n	0	60	+361	+0.51	+0.16	-0.01	+62	+27	+16	+246	n	-25	38	+458	103	104	105	99		102		63	104	104	107	94	102					
Alt	US 3129436990	Wet Altapioneer		Altapainter	Roylane Socra	IGfw		58	+169	-8	0	66	+780	+0.08	+0.04	-0.01	+41	+31	+35	+224	-8	+3	45	+517	103	102	104	100	100	102		70	95	102	106	98	101					
ABS	NL 580616806	Willem's-Hoeve W-H J Augustus		Jetset	Balisto	IGfw		60	+169	+5	0	67	-92	+0.46	+0.29	+0.00	+36	+22	-4	+165	+16	-8	49	+470	110	102	99		103	96		72	99	102	111	97	104					
CRV	NL 661727018	Double W Radiator		Jetset	Snowfever Cd	Gfw		68	+169	+1	0	72	-133	+0.63	+0.19	-0.07	+49	+12	-12	+149	-10	+3	59	+388	108	101	101	101	102	96	102	72	100	101	113	101	108					
Mas	DE 0358774577	Feeling		Flattop	Balisto	Gfw		66	+169	-2	0	71	+253	+0.44	-0.02	+0.00	+51	+7	+12	+139	-10	+2	58	+545	106	103	103	104	104	95	101	72	97	101	112	98	105					
AWE	IT 019991671551	Go-Farm Munari		Hotline	Dozer	IGfw		55	+168	-10	0	62	+1287	+0.04	-0.05	-0.01	+59	+40	+58	+305	-8	-31	44	+177	103	98	102	98	100	101		69	101	102	109	105	108					
CRV	NL 684231664	Delta Leonardo		Reflector	Let It Snow	Gfw		67	+168	-7	0	72	+1426	-0.29	-0.03	+0.04	+31	+47	+69	+279	-12	-19	60	+442	99	102	102	94	105	105	98	81	104	103	107	102	106					
Sem	CA 12719021	Progenesis Pavlov		Granite	Rubicon	IGfw		54	+168	-26	0	62	+505	+0.54	+0.07	+0.00	+72	+24	+23	+257	-15	-22	40	+313	99	104	105	105	105	102		66	102	104	109	100	106					
Alt	US 3138498825	Peak Exeter		Bourbon	Altaspring	IGfw		57	+168	-18	0	65	+1167	+0.07	-0.16	+0.00	+56	+25	+53	+236	-2	-46	45	+433	105	103	104		103	102		69	100	103	106	97	102					
STG	US 3123606833	St Gen Chief Madden		Stanton's Chief	Monterey	IGfw		57	+168	-16	0	65	+510	+0.29	+0.05	+0.00	+49	+22	+23	+200	-26	+7	42	+274	105	103	103	98	103	101		70	99	102	111	99	105					
SZO	IT 035990809751	Vaye Royal Monfort		Rodanas	Supersire	IGfw		62	+168	-6	0	69	+571	+0.19	+0.03	+0.00	+42	+23	+26	+190	+7	+15	48	+402	109	102	103		100	95		72	96	102	106	96	100					
Sem	CA 12719310	Progenesis Heissenberg		Fortune	Jedi	IGfw		54	+168	+1	0	62	+954	-0.01	-0.11	-0.01	+39	+22	+43	+185	-20	-49	39	+390	107	106	104	104	99			67	102	103	110	94	103					
Sem	CA 12648602	Progenesis Sharing		Franchise	Altaspring	IGfw		57	+168	-12	0	65	+1310	-0.26	-0.23	-0.01	+29	+22	+59	+169	+25	-50	44	+425	104	106	104		102	101		69	100	105	108	100	105					
CRV	US 3205027117	Maplehurst Banner		Crimson	Blowtorch	Gfw		63	+167	-1	0	69	+1959	-0.05	-0.08	+0.08	+78	+60	+98	+439	-30	-19	51	+226	100	99	100	98	107	102	96	69	101	103	101	98	100					
Tot	US 3200824757	Peak Konrad		Altahotjob	Jedi	IGfw		52	+167	-34	0	59	+1133	+0.12	+0.08	-0.01	+60	+47	+51	+334	-22	-43	39	+206	100	102	104	98		103		66	102	103	110	97	105					
LIV	US 3139951900	Speek-Nj Raiden Article		Abs Raiden	Kingboy	IGfw		54	+167	+10	0	61	+1527	-0.11	-0.13	-0.01	+53	+40	+69	+296	-3	-17	42	+393	100	103	105	96	103	103		67	103	102	104	96	101					
Sem	CH 12013779817	Fraeland Arland Sg		Argo Rc	Brewmaster	IGfw		59	+167	-3	0	68	+1014	+0.28	-0.04	+0.00	+71	+31	+46	+290	+6	-7	45	+277	104	99	101	96	103	105		71	102	103	109	100	106					
Alt	US 3142181185	Peak Altaleiding		Dg Charley	Rubicon	IGfw		58	+167	-2	0	66	+1051	-0.03	-0.01	-0.01	+42	+36	+47	+250	+8	-36	46	+430	102	101	104	98	104	102		70	100	104	106	102	105					
Alt	US 3149335012	Peak Altamerida		Frazzled	Mr Mogul Delta	IGfw		54	+167	-13	0	62	+968	+0.17	-0.12	+0.00	+58	+22	+44	+225	-11	+13	39	+377	101	104	105	100	105	107		66	97	102	105	99	102					
CRV	NL 694388754	Skalsumer Pilates		Jetset	Danno	Gfw		67	+167	+1	0	72	+286	+0.41	+0.18	+0.02	+50	+26	+15	+216	-2	-17	59	+410	107	96	103	103	98	100	105	72	101	102	106	104	106					
Sem	CA 12719072	Progenesis Dryden		Superhero	Kingboy	IGfw		56	+167	+0	0	64	+1278	-0.17	-0.21	+0.00	+37	+23	+58	+189	-12	-57	44	+538	104	103	102		104	106		67	102	103	113	99	107					
Alt	US 3142181439	Peak Altafland		Jedi	Silver	IGfw		59	+166	-5	0	68	+1693	-0.19	-0.04	+0.00	+52	+55	+77	+358	-24	-16	47	+215	102	102	103		104	102		72	98	103	104	93	98					
Alt	US 3134199309	No-Fla Altawillie		Josuper	Midnight	IGfw		60	+166	-8	0	68	+1465	-0.10	-0.06	-0.01	+52	+45	+66	+314	-2	-43	47	+261	100	103	105	101	104	102		72	103	104	107	97	104					
43	NL 685696174	Koepon Altavix P	PO	Hologram-P	Supershot	IGfw		54	+166	+5	0	62	+1662	-0.10	-0.20	-0.01	+60	+37	+75	+300	+4	+15	40	+523	102	98	104	98	103	101		65	101	101	104	97	101					
STG	US 3132352462	St Gen Rubicon Jones		Rubicon	Josuper	IGfw		58	+166	-8	0	66	+555	+0.66	+0.06	+0.00	+86	+25	+25	+291	-17	-41	48	+338	100	101	105		103	104		69	101	104	107	101	105					
STG	US 3132352801	St Gen Helix Paco		Helix	Rubicon	IGfw		56	+166	-12	0	64	+356	+0.69	+0.18	+0.00	+79	+29	+16	+290	-24	+10	42	+45	103	101	104		100			69	96	103	105	102	103					
Sem	CA 12648423	Ste Odile Electric		Felix	Supershot	IGfw		55	+166	-1	0	63	+1642	-0.18	-0.20	-0.01	+51	+36	+74	+277	+0	-23	41	+409	101	102	105		103	104		68	106	104	105	98	104					
Tot	NL 618713259	Primeval Hercules		Superhero	Mr Mogul Delta	IGfw		59	+166	+3	0	67	+1220	+0.01	-0.06	-0.01	+53	+36	+55	+275	+8	+19	44	+322	98	103	102	101	101	106	105		71	99	102	105	101	103				
Mas	DE 0953021002	Rho Pepper		Mr Puma	Dolph	Gfw		64	+166	-1	0	69	+640	+0.28	+0.14	-0.04	+54	+36	+25	+269	-13	+48	52	+165	101	102	103	105	101	100	103	70	97	99	106	98	101					
Tot	US 3138766402	Mr Charley Its Me		Dg Charley	Bombero	IGfw		58	+166	-11	0	67	+1321	-0.11	-0.08	+0.00	+45	+38	+60	+268	-2	+17	45	+369	102	102	106	104	104	101		71	98	101	102	97	99					
STG	US 3132352752	St Gen R-Haze Rapid		Rubi-Haze	Rubicon	IGfw		61	+166	-15	0	68	+1086	-0.03	-0.03	-0.01	+43	+35	+49	+249	-19	-41	47	+399	101	102	105	92	106	105		72	102	105	110	100	107					
Alt	US 3138498904	Peak Altacowboy		Brown-Star Tuf	Kingboy	IGfw		54	+166	-14	0	62	+1655	-0.43	-0.22	-0.01	+25	+35	+75	+219	-23	-19	41	+436	103	102	105	101	100			66	100	102	107	100	104					
Kam	NL 654340846	De Pettershoeve Jetbead		Jetset	G-Force																																					

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

NVImelkdoel = 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

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Ki	Stiernummer	Stiernaam	Erf-fact	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-fact	Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	KgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T						
Melkdoel Zwart											pnt	Productie										€	€	Functioneel										Exterieur									
Alt	DE 0539782083	Superglu		Superhero	Headliner	Gfw		67	+161	+0	0	71	+656	+0,24	+0,09	-0,05	+51	+31	+25	+242	+9	+13	56	+386	102	103	100	100	102	99		102	72	97	102	106	96	100					
	US 3147839960	Peak Altaroady		Altarobson	Supersire	IGfw		55	+161	-12	0	63	+546	+0,33	+0,10	-0,01	+54	+28	+24	+235	-39	+5	40	+349	99	105	106	105	104			67	102	103	104	98	102						
Sem	CA 12371185	Westcoast Guy		Bayonet	Jacey	IGfw		57	+161	-6	0	65	+374	+0,10	+0,14	+0,00	+25	+26	+17	+164	-20	-57	45	+523	104	105	97	96	105	105			68	102	104	110	101	107					
Sem	US 3140616308	Sandy-Valley Emerald		Fortune	Rubicon	IGfw		55	+161	-3	0	64	+979	-0,24	-0,10	-0,01	+18	+24	+44	+149	-16	-22	40	+449	103	105	106	102	101			69	97	103	110	99	104						
Gex	US 3132632949	Co-Op Livewire Terrano		Co-Op Livewire	Jabir	IGfw		53	+161	+13	0	59	+890	-0,03	-0,21	-0,01	+35	+11	+40	+131	+4	-25	42	+399	107	107	104		102	98			65	98	102	105	97	101					
GGI	NL 628758138	Hunter K&I Rm Elegant		Esperanto	Doorsopen	Gfw		66	+161	-12	0	71	-7	+0,28	+0,07	+0,08	+24	+6	+7	+77	-53	-31	56	+207	103	106	105	98	104	100	104			72	100	104	117	105	112				
CRV	US 3142710599	Maplehurst Eagle		Spectre	Josuper	Gfw		65	+160	+13	0	71	+1989	-0,03	-0,28	+0,01	+81	+39	+92	+358	-1	+36	55	+326	100	98	103	100	106	105	99			71	101	102	104	96	101				
CRV	US 3131664060	Peak Barkley		Superman	Tango	Gfw		65	+160	+14	0	71	+1473	-0,10	+0,02	-0,02	+52	+53	+65	+346	-7	+10	56	+241	98	104	102	100	105	106	96			71	94	100	105	95	98				
Alt	US 3147839972	Peak Altajimi		Altarobson	Supersire	IGfw		54	+160	-7	0	62	+422	+0,59	+0,19	+0,00	+73	+32	+19	+290	-23	-32	39	+369	100	102	104	99	104	100			66	102	103	103	99	102					
Bov	US 3139951898	Speek-Nj Raiden Arden		Abs Raiden	Kingboy	IGfw		55	+160	-4	0	62	+1606	-0,20	-0,20	+0,00	+47	+35	+73	+264	-5	-8	42	+427	102	102	105	97	104	100			68	102	103	107	94	102					
ABS	US 3141494533	Denovo 7947 Glitz		Jedi	Rubicon	IGfw		63	+160	-10	0	72	+664	+0,10	+0,13	+0,00	+38	+35	+30	+232	-16	-33	50	+378	103	104	105	99	105	97			75	104	105	106	96	103					
Tot	NL 721545936	Hul-Stein Conqueror		Armour	Platinum	IGfw		57	+160	+6	0	65	+695	+0,16	+0,03	-0,01	+45	+27	+31	+215	+9	-40	43	+444	103	105	104	104	103	100			69	99	104	99	99	99					
Alt	US 3135331884	Highberransom Altasith		Jedi	Roylane Booke	IGfw		59	+160	+0	0	67	+1147	-0,28	-0,05	+0,00	+21	+35	+52	+203	-9	+7	46	+324	107	104	104		104	97			71	93	100	108	92	98					
Gex	US 3138766763	Aardema Penny Bags		Hollermann Silh	Woodcrest Mo	IGfw		52	+160	-5	0	60	+519	+0,28	+0,04	-0,01	+48	+22	+23	+198	-2	+26	39	+389	100	103	105		106			63	93	102	107	101	102						
CRV	US 74701039	No-Fla Max		Josuper	Altaoak	Gfw		67	+159	+3	0	72	+1451	-0,07	-0,06	-0,02	+54	+44	+64	+313	-10	+41	59	+204	100	104	103	100	104	103	97			72	94	99	102	95	96				
STG	US 3146082139	Kings-Ransom I Degree		Imax	Mr Mogul Delta	IGfw		60	+159	-7	0	67	+1655	-0,18	-0,13	-0,01	+51	+44	+75	+310	+4	-22	46	+450	100	98	102	100	105	107			71	103	104	107	100	105					
CRV	US 3204164907	Denovo 15669 Council		Crimson	Frazzled	Gfw		59	+159	+3	0	68	+841	+0,29	-0,08	+0,02	+64	+22	+40	+237	-8	+4	51	+322	103	102	104	100	106	104	100			69	101	103	106	98	103				
ABS	NL 677776684	K&I Dh Clinton		Superhero	Silver	IGfw		57	+158	-5	0	65	+824	+0,21	+0,07	-0,01	+55	+35	+37	+270	+2	-34	44	+323	100	101	102		106	108			69	102	105	108	102	107					
Mas	US 3127565619	Motown		Modesty	Tatum	Gfw		63	+158	-1	0	71	+1260	-0,29	-0,04	+0,00	+24	+40	+58	+232	-4	+55	56	+324	99	101	105	101	99	104	102			71	94	97	108	99	101				
STG	US 3126776429	Edg Delta B52		Mr Mogul Delta	Roylane Booke	IGfw		60	+158	-10	0	67	+271	+0,52	+0,09	+0,00	+59	+18	+12	+201	-4	+11	47	+352	102	102	106	99	106	101			72	101	103	108	100	105					
Alt	US 3132991976	G-Deruyter Altanitro		Modesty	Kingboy	IGfw		58	+158	-20	0	66	+441	+0,33	-0,01	+0,00	+49	+14	+20	+166	-31	+25	46	+348	101	105	110	101	99	100			69	98	99	106	98	101					
Kam	NL 752498647	Primera		Silver	Big Winner	Gfw		65	+158	+11	0	72	+340	+0,28	+0,06	+0,02	+40	+17	+17	+159	+8	+10	60	+593	104	100	100	96	102	100	103			72	101	104	108	101	106				
Sem	US 3148748491	Leaninghouse Vincent		Magictouch	Rubicon	IGfw		55	+158	-19	0	64	-104	+0,46	+0,24	+0,01	+36	+17	-4	+144	-21	-7	39	+393	101	105	105	96	103			67	96	103	108	103	105						
K&L	DE 0359296711	Babylon Et	RF	Battlecry	Dymentholt S	Gfw		66	+158	-13	0	71	+984	-0,13	-0,20	-0,01	+29	+15	+44	+136	-13	+14	58	+483	103	104	102	102	101	98	101			78	94	99	109	100	103				
ABS	US 3135245775	Abs Moroccan		Skyfall	Silver	IGfw		56	+157	-6	0	63	+1109	-0,36	-0,05	-0,01	+83	+34	+50	+329	+6	-16	43	+157	101	99	104	95					69	99	102	106	100	103					
Xs	DE 0360237710	Gs Grizzly		Gymnast	Icone	IGfw		56	+157	+11	0	65	+1401	+0,01	-0,08	-0,01	+60	+41	+63	+313	+22	-21	45	+238	100	100	102		100	100			66	103	102	108	100	105					
Sem	CA 12789759	Progenesis Origin		Superhero	Denver	IGfw		56	+157	+0	0	64	+1038	-0,25	-0,06	+0,00	+69	+30	+47	+282	-1	-31	43	+333	100	101	101		105	107			67	102	105	111	99	107					
Tot	NL 685695823	Kairo-Koepon 9582		Gatedancer	Woodcrest Mo	IGfw		55	+157	+0	0	63	+1163	-0,12	-0,04	+0,00	+37	+36	+53	+241	+1	+7	41	+270	103	104	103	96	104	104			68	97	102	108	94	100					
Kam	NL 625042393	De Vlog Elmar		Basta	Titanium	Gfw		64	+157	+17	0	72	+916	-0,08	+0,01	+0,06	+31	+33	+48	+215	+5	-51	58	+388	105	98	105	102	101	104	101			72	102	104	104	106	107				
Sem	CA 12731114	Claynook Duplo		Fortune	Monterey	IGfw		55	+157	+20	0	63	+451	+0,10	+0,01	-0,01	+28	+17	+20	+135	+2	-55	40	+376	105	105	102		104	101			68	101	104	117	99	109					
CRV	NL 666179810	Delta Fair PP	PP	Raffer P Rf	Ohare-P	Gfw		67	+157	-19	0	72	+676	-0,22	-0,05	+0,05	+8	+19	+36	+106	-13	-10	59	+434	106	101	99	102	102	96	107			72	98	103	107	105	106				
Alt	US 3131306835	Endco Dragon		Supershot	Platinum	IGfw		64	+156	-11	0	72	+1846	-0,26	-0,12	+0,00	+50	+51	+84	+339	-1	-42	53	+354	102	97	99	98	106	103			75	105	104	107	100	106					
Kam	NL 653191887	Kik All Inclusive	RF	Bitcoin	Commander	Gfw		62	+156	-1	0	71	+884	+0,23	+0,08	+0,06	+60	+39	+46	+300	+2	-38	56	+44	101	102	101	1															

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

NVImelkdoel = 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
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLI

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Ki	Sti	Sti	Erf	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	Bull	Her	Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	KgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T				
Melkdoel Zwart											Productie											Functioneel										Exterieur									
											€											€																			
Kam	NL 929184881	Timmer Gallup		Silver	Bookem	Gfw		65	+151	-7	0	72	+1233	-0.01	-0.05	+0.09	+51	+38	+65	+282	+12	-15	61	+366	99	99	105	96	100	98	100	72	103	104	106	101	105				
Alt	US 3142181106	Peak Altalaison		Altarobson	Mr Mogul Delta	IGfw		55	+151	-21	0	64	+627	+0.13	+0.09	-0.01	+39	+30	+28	+213	-42	-5	38	+338	99	104	107	99	103	106	68	101	103	104	100	103					
Tot	US 3143105087	Welcome Gorman 3573		Blowtorch	Mr Mogul Delta	IGfw		57	+151	n	0	65	+564	+0.38	-0.03	-0.01	+60	+17	+25	+203	n	+10	44	+329	103	104	103	97	105	106	67	98	102	104	97	100					
Sem	CA 12900937	Vogue Kingsize P	PO	King Royal	Powerball P	IGfw		56	+150	-15	0	64	+912	+0.17	+0.09	-0.01	+55	+41	+41	+296	-30	+16	44	+272	99	100	103	102	105	68	95	100	111	96	102						
K&L	FR 2601116748	Mercutio		Altahotrod	Gainsbarre	Gfw		65	+150	+2	0	71	+780	+0.09	+0.16	+0.04	+42	+43	+39	+276	+12	-8	56	+371	104	99	97	103	100	105	101	71	98	102	105	98	101				
Alt	US 3138498767	Peak Altagameon		Jedi	Littleton	IGfw		59	+150	-17	0	67	+1637	-0.37	-0.12	-0.01	+31	+44	+74	+268	-14	-10	46	+285	104	102	103	98	104	98	70	99	103	104	94	99					
Alt	US 3145398965	Bgp Yolo		Bandares	Meridian	IGfw		58	+150	+0	0	66	+806	+0.18	-0.08	-0.01	+52	+20	+36	+202	-6	+1	46	+326	102	103	102		102	108	70	101	102	110	98	105					
Alt	US 3131664037	Peak Altadepot		Hotshot	Montross	IGfw		55	+150	-69	0	63	+370	+0.08	-0.13	-0.01	+23	+1	+16	+57	-64	+2	44	+503	106	109	104	101	99	98	66	97	102	105	96	100					
Tot	DE 0539782148	Col Dg Maximus		Montana	Supershot	IGfw		59	+149	-7	0	66	+921	+0.12	+0.00	+0.00	+51	+32	+42	+251	+2	-18	46	+341	103	101	104	101	102	101	69	102	103	105	97	102					
CA	12478085	Vogue Landslide		Mr Super Cont	Alta1stclass	IGfw		57	+149	+12	0	64	+1111	+0.00	-0.10	-0.01	+47	+29	+50	+233	+24	-42	43	+292	103	101	102	98	102	69	102	101	112	99	107						
Sem	CA 12529221	Progenesis Takeover		Brodie	Troy	IGfw		60	+149	-9	0	69	+881	+0.03	+0.02	+0.00	+40	+33	+40	+231	+5	+12	47	+441	103	99	103		107	103	72	98	101	107	97	102					
US	3132426398	Peak Altadagger		Bayonet	Distinction	IGfw		56	+149	-14	0	63	+958	-0.16	-0.04	-0.01	+25	+29	+43	+184	-22	+7	45	+447	102	104	99	100	102	105	67	100	101	107	98	103					
WWS	US 3137878133	Kings-Ransom B Drastic P	PO	Bandares	Powerball P	IGfw		57	+149	-5	0	65	+359	+0.18	+0.10	+0.00	+32	+22	+16	+162	-6	-25	44	+324	103	104	106	103	103	105	69	104	104	110	99	107					
Ves	IT 034990945267	Felegara Honey Trap		Willsbro Abbott	Balisto	IGfw		60	+149	+12	0	67	-98	+0.26	+0.27	+0.01	+19	+20	-4	+121	+0	-48	47	+533	106	103	104	105	101	104	72	99	101	108	100	104					
STG	US 3133064211	T-Gen-Ac Dixie Edward		Entail	Day	IGfw		56	+148	-15	0	63	+1362	-0.13	-0.15	+0.00	+44	+32	+62	+242	-20	-29	46	+387	104	99	105	99	101	98	69	100	103	109	97	104					
CRV	US 3129104036	Saintville Montana Sky		Montana	Supersire	Gfw		66	+148	-2	0	71	+556	+0.33	+0.06	-0.05	+55	+25	+21	+224	+5	-3	57	+281	102	104	106	98	107	104	100	72	102	103	105	95	101				
Alt	US 3134408770	Peak Altakalispel		Montana	Woodcrest Mo	IGfw		57	+148	-4	0	66	+1397	-0.14	-0.24	-0.01	+45	+24	+63	+212	-2	+13	44	+340	101	105	102		101	104	69	97	102	102	97	99					
STG	US 3132353099	St Gen D-Lambda Ashby		Delta-Lambda	Silver	IGfw		60	+148	+16	0	67	+310	+0.44	+0.12	+0.00	+53	+22	+14	+206	+6	-13	46	+351	103	99	102		106	107	70	101	103	114	101	109					
Alt	US 3138948148	Aurora Altaantonio		Bandares	Commander	IGfw		58	+148	+5	0	67	+605	+0.20	+0.04	-0.01	+45	+25	+27	+205	+11	-16	45	+299	103	101	106	95	105	107	71	102	104	108	100	105					
STG	US 3135087360	Lexvold Ss Cahill		Supershot	Montross	IGfw		64	+148	-10	0	72	+1787	-0.57	-0.27	-0.01	+15	+34	+81	+195	-9	-28	53	+464	103	102	100		104	98	75	101	104	111	98	106					
Adv	NL 941519562	Beeze Calina Dron Et		Doorsopen	Balisto	Gfw		67	+148	+2	0	72	+32	+0.47	+0.21	-0.04	+43	+20	-2	+172	-33	-42	58	+324	104	103	101	98	101	96	100	72	100	103	111	101	107				
Sem	CA 12532147	Westcoast Scotch		Montana	Supershot	IGfw		57	+148	-3	0	65	+826	+0.04	-0.14	-0.01	+39	+15	+37	+155	+7	-67	45	+433	106	105	103	100	103	102	70	102	104	111	95	104					
Kam	NL 621975552	Big Kofu		Jetset	Brawler	Gfw		65	+148	-16	0	72	-341	+0.69	+0.33	+0.02	+44	+16	-14	+154	-23	+2	59	+479	106	100	100	102	103	100	100	72	103	102	111	100	107				
Alt	US 3143525335	Peak Altalgo		Oakfield Rubic	Monterey	IGfw		55	+147	-16	0	63	+1031	+0.38	+0.02	+0.00	+81	+38	+47	+340	-15	+20	41	+268	99	97	104	99		101	67	96	102	103	99	100					
CRV	US 3130001832	Intense-Com Sutton		Bourbon	Supershot	IGfw		56	+147	-16	0	63	+1742	-0.48	-0.14	-0.01	+23	+46	+79	+261	-13	-30	45	+348	102	102	101	99	104	101	68	103	102	103	98	102					
Sem	CA 12648638	Progenesis Webster-P	RF PO	Franchise	Mr Mogul Delta	IGfw		60	+147	-1	0	70	+1356	-0.21	-0.10	-0.01	+36	+37	+61	+246	+9	-5	47	+162	101	102	104		106	101	72	98	102	109	99	104					
Sem	CA 12608974	Progenesis Diablo	CD	Willsbro Abbott	Bombero	IGfw		54	+147	+7	0	62	+790	+0.20	-0.01	+0.00	+53	+27	+36	+233	-2	-18	40	+369	105	99	104		103	100	67	100	102	112	95	104					
Alt	CA 12415209	Pine-Tree-I Altaspitfire		Monterey	Supersire	IGfw		60	+147	-12	0	68	+831	+0.09	-0.02	-0.01	+44	+27	+37	+214	-5	-9	49	+322	100	104	105	96	108	103	74	101	101	106	98	103					
Tot	DE 0539386380	Col Dg Chemp		Chevalier	Tango	IGfw		58	+147	-6	0	67	+1186	-0.13	-0.14	+0.00	+37	+27	+54	+205	-2	+4	45	+275	102	102	106	103	103	101	69	100	102	103	101	102					
AWE	DE 0359171051	Bali P	PO	Battlecry	Jacey	Gfw		67	+147	-6	0	72	+363	+0.20	+0.00	+0.00	+34	+13	+17	+130	+3	-1	58	+378	104	106	101	100	102	103	99	72	99	100	111	97	104				
Sem	CA 40000098	Vogue Eclipse PP	PP	Yoda P	Duke	IGfw		52	+146	-11	0	60	+808	+0.20	+0.00	-0.01	+54	+28	+36	+239	-13	-20	38	+391	104	103	99	98		101	64	100	104	107	93	101					
Tot	US 3139951896	Speek-Nj R Alterego		Abs Raiden	Kingboy	IGfw		55	+146	+0	0	62	+1174	+0.00	-0.14	-0.01	+50	+27	+53	+232	+0	-28	42	+428	102	102	105	97	103	100	66	105	102	107	95	103					
ABS	US 3135245993	Abs Joppolo-Pp	PP	Answer Po	Powerball P	IGfw		55	+146	-8	0	63	+665	+0.25	+0.03	+0.00	+52	+26	+30	+225	+4	+43	42	+273	102	103	105	103	103	103	65	98	98	105	94	99					
Alt	DE 0539392042	Wildier Altakid		Jedi	Modena	IGfw		56	+146	+12	0	64	+944	-0.05	+0.00	+0.00	+35	+33	+43	+2																					

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

NVImelkdoel = 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
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLI

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Ki	Stiernummer	Stiernaam	Erf-fact	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-fact	Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	KgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T					
Melkdoel Zwart										pnt	Productie										€	€	Functioneel										Exterieur									
Tot	US 3138948156	Aurora Mitchell		Mitchell	Bombero	IGfw		56	+141	-2	0	64	+470	+0.23	+0.01	+0.00	+41	+17	+21	+162	-3	-8	40	+256	105	102	103	101					68	103	102	109	100	106				
Alt	US 3142181231	Peak Altamai		Montana	Rubicon	IGfw		57	+140	-14	0	65	+1316	+0.12	-0.11	+0.00	+68	+35	+60	+304	-10	-40	45	+276	101	99	103	95	100	103			68	103	104	107	97	104				
Kam	NL 580721340	Poppe Red Hot Armani	RF	Board	Snow Rf	Gfw		64	+140	+22	0	72	+519	+0.35	+0.15	-0.01	+55	+32	+23	+254	+14	-10	58	+221	103	100	100	102	101	101	100			72	102	103	103	101	103			
Alt	US 3142181298	Peak Altalackey		Bourbon	Silver	IGfw		57	+140	-17	0	65	+1759	-0.32	-0.25	+0.00	+41	+35	+80	+254	-19	-22	44	+216	102	101	104	103	103	102			68	99	101	106	98	102				
STG	US 3010364852	St Gen Silver Bullion		Silver	Tango	IGfw		59	+140	-9	0	66	+929	+0.05	-0.03	+0.00	+44	+29	+42	+224	-11	-3	49	+230	100	102	104		104	109			70	99	102	107	100	104				
Alt	CA 13024876	Progenesis Altastark		Topnotch	Jedi	IGfw		54	+140	-21	0	62	+1338	-0.35	-0.08	+0.00	+21	+38	+61	+218	-16	+2	39	+333	100	105	105	101	102			67	98	101	110	91	100					
STG	US 3133791640	Kenmore Jedi Skywalker	RF	Jedi	Day	IGfw		58	+140	-7	0	66	+814	-0.10	-0.01	+0.00	+25	+27	+37	+174	-18	-5	46	+388	103	105	104		103	97			69	97	102	105	94	99				
Kam	NL 681815388	Poppe Feel Good		Louxor	Denethor	Gfw		63	+139	-26	0	71	+720	+0.25	+0.14	-0.07	+54	+38	+26	+277	-20	-4	55	+182	102	98	101	100	102	100	100			72	99	101	105	102	104			
Toe	NL 673916231	Wi-Li-Jo Bt George		Blowtorch	Powerball P	IGfw		54	+139	-36	0	61	+764	+0.31	-0.01	-0.01	+62	+26	+34	+247	-97	+20	43	+175	102	101	104	101	103	102			65	96	100	105	97	100				
Sem	CA 12434621	Progenesis Flirt		Bayonet	Kingboy	IGfw		57	+139	-9	0	65	+1150	-0.09	-0.08	-0.01	+40	+32	+52	+231	-29	-20	44	+356	99	102	102		102	102			67	101	102	108	99	104				
43	NL 586898277	Koepan Altathor Pp		Answer Po	Style P	IGfw		55	+139	+15	0	63	+882	-0.04	+0.03	+0.00	+34	+34	+40	+223	+13	+22	42	+227	101	104	105	99	103	101			65	98	100	105	94	99				
Sem	CA 12571509	Klaynook Miami		Ocd Command	Silver	IGfw		54	+139	+7	0	62	+1242	-0.07	-0.18	-0.01	+46	+25	+56	+216	-6	-35	40	+324	102	100	102	98	105	101			67	101	102	112	100	107				
Kam	NL 672732294	Kik Barbaros		Balisto	Sudan	Gfw		65	+139	-10	0	72	-231	+0.59	+0.29	-0.01	+41	+17	-11	+153	-13	-8	61	+478	102	104	99	106	102	98	101			72	102	98	103	100	102			
Sem	CA 12478052	Vogue Never Again PP	RF PP	Calbrett Sifter	Capital Gain	IGfw		54	+139	-3	0	60	+700	+0.08	-0.12	-0.01	+37	+13	+31	+140	-14	-25	41	+227	106	105	99	100		99			67	100	101	109	99	104				
Tot	US 3147987767	Midas-Touch Hannibal		Eldorado	Rubicon	IGfw		60	+138	-5	0	67	+1016	+0.17	+0.00	+0.00	+60	+35	+46	+283	-8	-17	46	+256	101	100	103	99	105	103			70	100	104	109	95	103				
Alt	US 3149334898	Peak Altajockey		Jedi	Modesty	IGfw		59	+138	-3	0	67	+1014	-0.13	-0.01	+0.00	+30	+34	+46	+216	-23	+1	46	+269	100	105	104	102	105	103			71	99	102	109	93	101				
GGI	DE 1603800081	Mineral PP	RF PP	Millford-P	Balisto	Gfw		67	+138	-18	0	71	+123	+0.51	+0.19	-0.05	+51	+21	+1	+194	-28	+31	57	+289	101	102	103	103	101	103	100			72	99	99	108	98	103			
Tot	NL 711611203	De Oosterhof Dg Halleluja		Doorsopen	Tango	IGfw		58	+138	+6	0	66	+688	+0.07	-0.09	+0.00	+36	+15	+31	+146	-2	+0	46	+269	109	100	102	98	101	98			71	98	101	111	98	104				
DE	0358774592	Bogota		Bolaro	Balisto	IGfw		60	+137	+0	0	68	+1849	-0.41	-0.05	+0.00	+35	+59	+84	+341	-22	-13	47	+177	99	96	104	101	101	102			69	102	101	107	100	104				
Alt	NL 734691918	Koepan Altapaco		Supersire	Doorman	IGfw		62	+137	-2	0	70	+709	+0.20	+0.07	+0.00	+49	+31	+32	+240	+0	-45	51	+218	102	103	107	100	106	97			74	102	105	106	95	102				
Gex	US 3135669646	No-Fla Jeditay		Jedi	Altageunity	IGfw		57	+137	-8	0	65	+615	-0.11	+0.10	+0.00	+16	+31	+28	+169	-16	+7	45	+373	103	102	105	99	104	100			68	94	101	107	97	100				
Kam	NL 715916861	De Vrendt Brad P	PO	Board	Snowman	Gfw		64	+137	+5	0	72	+507	+0.02	+0.04	+0.11	+23	+21	+33	+144	-3	-35	58	+245	104	104	106	102	101	104	102			72	103	105	108	98	105			
LIV	US 3131992851	Leaninghouse Jedi 22107		Jedi	Jacey	IGfw		56	+137	+16	0	64	+1144	-0.45	-0.12	+0.00	+4	+28	+52	+139	+0	-10	46	+486	105	104	101	97	106	101			70	98	102	111	93	102				
ABS	US 3140038654	Morningview Radio		Humbelkind	Kingboy	IGfw		53	+137	-13	0	60	+1029	-0.13	-0.23	-0.01	+31	+13	+46	+132	-28	-42	39	+383	103	103	107	103		103			64	101	102	112	99	106				
Tot	US 3133064274	Mr Puma		Icone	Balisto	Gfw		68	+136	-12	0	72	+300	+0.33	+0.19	+0.06	+43	+28	+19	+211	-7	+32	59	+340	101	101	102	100	105	104	99			78	96	101	111	96	103			
ABS	US 3138817643	Welcome Kingston		Modesty	Bombero	IGfw		57	+136	-4	0	65	+692	+0.00	-0.14	-0.01	+29	+11	+31	+115	-10	+7	45	+282	103	105	105		102	105			70	98	100	110	98	104				
Gex	US 3138510972	Blumenfeld Gdanc Rory		Gatedancer	Rubicon	IGfw		56	+135	+4	0	64	+893	+0.20	-0.02	-0.01	+57	+29	+40	+251	+3	+35	41	+207	101	100	107	102	105	103			68	94	100	106	95	99				
Tot	DE 0539386398	Kol Orion		Afterburner	Racer	IGfw		58	+135	+6	0	66	+395	+0.18	+0.08	+0.00	+33	+21	+18	+161	+7	-16	45	+278	105	104	102	100	103	99			70	102	103	108	96	103				
Sem	CA 12549522	Stantons Fountain		Jett	Mccutchen	IGfw		58	+135	-24	0	66	+826	-0.03	-0.10	-0.01	+32	+19	+37	+156	-29	-39	47	+169	105	106	104	102	105	102			70	103	105	110	95	104				
Tot	US 3133064286	Endco Artwork		Silver	Supersire	IGfw		62	+135	-11	0	70	+898	-0.15	-0.15	+0.00	+23	+17	+41	+130	-26	-8	51	+359	103	103	103	100	104	106			74	103	103	110	100	107				
Sem	CA 12648512	Progenesis Denmark		Jedi	Kingboy	IGfw		58	+134	-12	0	66	+1334	-0.17	-0.13	-0.01	+39	+33	+60	+235	-40	-43	46	+340	103	101	104	99	104	100			70	100	102	113	92	103				
Alt	US 3014562353	Sandy-Valley Altaadmiral		Flagship	Kingboy	IGfw		57	+134	-21	0	65	+863	+0.17	-0.05	+0.00	+53	+25	+39	+226	-36	-8	45	+289	104	104	104		104	98			70	102	102	104	90	98				
Tot	DE 0359756080	Bg Roland		Trend	Liquid Gold	Gfw		65	+134	+3	0	71	+1001	-0.08	-0.06	+0.08	+35	+29	+54	+209	-4	-15	55	+206	100	103	101	98</														

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

NVImelkdoel = 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
NVIdubbeldoel = 0,35*Inet +0,09*lvd +5,2*UGH +5,2*VRU +5,2*Uier +6*Beenwerk +2*GEB + 5,2* VLI

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Ki	Stiernummer	Stiernaam	Erf-fact	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-fact	Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	KgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T					
Melkdoel Zwart											pnt	Productie										€	Functioneel										Exterieur									
Sem	CA 12648665	Progenesis Pizzazz		Modesty	Silver	IGfw		58	+123	+8	0	66	+1021	+0.16	-0.03	-0.01	+59	+33	+46	+273	-14	+28	45	+34	96	100	105	98	102	106		70	97	100	106	101	103					
Alt	US 3135253443	Dinomi Altaviking		Altasuperstar	Montross	IGfw		56	+123	-4	0	63	+1162	-0.01	-0.18	+0.00	+48	+22	+53	+207	-11	-2	45	+214	106	101	101		104	102		69	95	101	109	92	99					
	DE 0539196329	Barcelona P	RF PO	Battlecry	Revival P	IGfw		61	+123	+2	0	71	+401	+0.26	+0.04	+0.00	+41	+18	+18	+165	+8	+2	49	+279	104	101	99		98	100		72	100	101	108	99	104					
Sem	US 3202151243	Scenery-View Cliff-Pp	RF PP	Simplicity-P	Silver	IGfw		51	+123	+34	0	57	+806	+0.02	-0.10	-0.01	+36	+18	+36	+160	+21	-28	38	+217	102	101	103	94	106		63	101	102	113	101	108						
Kam	NL 756624448	Giessen Utopia		Rubicon	Snowman	Gfw		67	+122	-20	0	72	+521	+0.52	+0.14	-0.01	+71	+31	+23	+283	+0	-7	61	+154	103	98	102	100	96	98	94	81	103	104	107	99	105					
Sem	CA 12648445	Progenesis Woodstock		Jedi	Mr Mogul Delta	IGfw		57	+121	-12	0	65	+1184	-0.16	-0.01	+0.00	+34	+40	+54	+252	-5	-8	45	+243	103	101	100		107	103		69	100	103	108	91	100					
STG	US 3137942562	Farnear Mdsty No Can Do		Modesty	Josuper	IGfw		57	+121	+4	0	65	+549	+0.17	+0.02	+0.00	+39	+21	+25	+176	+8	+14	45	+152	98	104	104		104	108		69	97	101	109	99	103					
SZO	CA 12687225	Vogue Letsgo		Applicable	Powerball P	IGfw		60	+121	-16	0	68	+624	-0.02	+0.01	-0.01	+25	+23	+28	+155	-46	-33	47	+164	103	102	103	97	100	100		73	103	103	114	99	108					
Mas	US 3131003460	Jazz		Modesty	Kingpin	Gfw		66	+121	+13	0	71	+657	-0.09	-0.08	+0.07	+19	+15	+37	+113	+9	-42	57	+271	103	104	107	100	104	104	99	72	103	105	110	99	106					
Ves	NL 670518870	Batenburg Ginstream		Topgear	Guard	IGfw		53	+121	+5	0	60	+434	-0.12	+0.04	-0.01	+7	+19	+19	+98	-6	-38	43	+390	108	96	102	96	96	97		61	104	104	106	109	110					
Alt	US 3134408771	Peak Altacomfort		Montana	Monterey	IGfw		58	+120	-9	0	66	+1060	-0.12	-0.08	+0.00	+33	+29	+48	+203	-8	+10	44	+240	101	102	102	100	102	104		70	97	101	108	95	101					
ABS	US 3134408309	De-Su 13700 Kipling		Jett	Flame	IGfw		56	+119	-11	0	63	+812	+0.02	+0.00	+0.00	+36	+28	+37	+202	-28	-20	43	+140	103	105	102	103	108	101		68	104	103	108	91	101					
Kam	NL 661169380	Monte Rosa		Jedi	Mccutchen	Gfw		64	+119	+3	0	72	+578	+0.06	+0.07	+0.07	+30	+27	+33	+184	-19	-52	58	+343	102	102	103	97	109	100	101	72	102	104	112	94	104					
Alt	US 3138817733	Welcome Altamaradona		Modesty	Supershot	IGfw		57	+119	-3	0	65	+620	-0.07	-0.02	+0.00	+20	+20	+28	+132	+16	+34	45	+292	102	101	102		102	103		68	94	98	109	100	103					
CRV	NL 609983634	Delta Mentor PP	RF PP	Lion P	Maddock P	Gfw		65	+119	+3	0	71	+145	-0.02	+0.08	+0.04	+4	+12	+10	+61	+3	+5	56	+426	103	104	98	105	103	97	102	71	100	102	108	101	105					
OBS	DE 0359210704	Holo PP	PP	Hologram-P	Eraser P	Gfw		65	+118	+1	0	71	+1231	-0.13	-0.11	+0.06	+39	+32	+62	+232	+2	-29	55	+287	98	101	104	95	101	109	101	71	103	105	105	98	103					
Sem	CA 12608997	Progenesis Musketeer		Jett	Mr Mogul Delta	IGfw		55	+118	-5	0	62	+701	-0.15	-0.08	+0.00	+44	+17	+32	+172	-22	+14	42	+128	101	104	104	102	108	104		67	99	101	111	94	103					
Alt	US 3134512303	T - Spruce Altamaster		Jedi	Miles	IGfw		58	+118	-15	0	66	+886	-0.13	-0.05	+0.00	+25	+26	+40	+171	-25	-13	46	+322	103	102	103		104	99		70	100	103	109	94	102					
Tot	FR 1445853190	Drakkar Brisbane		Silver	Chevrolet	IGfw		60	+118	-9	0	70	+735	+0.04	-0.07	-0.01	+35	+19	+33	+161	-20	-7	50	+215	101	99	106	97	101	106		75	97	103	110	103	106					
WWS	US 3136246981	Holyland Simplicity-P	RF PO	Modesty	Pine-Tree Relic	IGfw		62	+118	+10	0	69	+758	+0.02	-0.13	-0.01	+34	+14	+34	+139	-1	+23	49	+256	102	100	106	98	99	102		72	98	99	109	100	104					
Alt	US 3131664122	Peak Altarevis		Jett	Tango	IGfw		52	+117	-6	0	62	+1719	-0.40	-0.17	+0.00	+31	+42	+78	+261	-33	+1	39	+87	104	101	104	101	106	96		65	98	101	103	91	96					
CRV	US 3014562186	Sandy-Valley Caleb		Jedi	Supersire	Gfw		67	+117	+9	0	72	+1276	-0.34	-0.01	+0.06	+20	+43	+64	+238	-8	-60	59	+215	104	99	104	99	107	102	99	72	101	102	109	96	103					
Viv	DE 0359270959	Beethoven		Bellrabi	Balisto	IGfw		60	+117	+15	0	69	+367	+0.19	+0.17	-0.01	+33	+28	+16	+189	-9	-18	46	+306	101	100	100		100	103		73	103	101	111	99	106					
Sem	US 3014562256	Sandy-Valley Amerix		Modesty	Bomblero	IGfw		57	+117	-7	0	65	+705	+0.07	-0.03	+0.00	+37	+22	+32	+178	-17	-10	45	+100	100	102	107	102	100	104		69	100	101	106	101	104					
Alt	US 3131992939	Leaninghouse Altadexter		Altasuperstar	Kingboy	IGfw		57	+117	-5	0	64	+554	+0.14	+0.03	+0.00	+37	+22	+25	+175	-7	-48	46	+102	106	102	105	96	102	102		69	102	100	110	95	103					
Tot	US 3133341762	Webb-Vue Sir Duke		Duke	Halogen	IGfw		56	+117	-18	0	64	+946	-0.01	-0.16	+0.00	+39	+17	+43	+165	-22	-24	44	+316	103	103	99	100	103	101		68	101	104	108	96	103					
Sem	CA 12571467	Claynook Fox		Willsbro Abbott	Supershot	IGfw		54	+116	+3	0	61	+1215	-0.18	-0.10	+0.00	+33	+32	+55	+217	-9	-39	42	+307	101	98	103		105	102		68	100	102	111	99	106					
Alt	DE 0539274593	Dg Ca Altanygel		Altasuperstar	Defender	IGfw		58	+116	+0	0	66	+976	-0.22	-0.22	-0.01	+20	+12	+44	+104	-18	-2	45	+180	107	101	104		104	102		69	99	100	116	96	106					
Kam	NL 587017006	Uenk Malawi		Magister	Maik	Gfw		64	+116	+3	0	71	+534	-0.23	+0.03	+0.01	+1	+21	+25	+96	-16	+7	59	+424	102	102	103	105	102	103	102	72	99	101	107	99	103					
Tot	UK 72665270060	Bb Sheild		Monterey	Supersire	IGfw		59	+115	-7	0	67	+1197	-0.28	-0.14	-0.01	+23	+28	+54	+179	+0	-43	48	+300	100	102	106	98	106	104		70	101	103	109	97	104					
Alt	US 3134408765	Peak Altabigfork		Montana	Supersire	IGfw		55	+114	-11	0	62	+1077	+0.18	-0.12	+0.00	+64	+26	+49	+256	-19	-25	44	+220	102	101	103		103	104		68	99	104	104	92	98					
Sam	US 3128978000	Seagull-Bay Chr Elder	RF	Charismatic	Balisto	IGfw		53	+114	+1	0	60	-32	+0.27	+0.04	+0.01	+22	+2	-1	+54	+4	+40	43	+520	103	102	104	104	102		65	91	100	106	99	100						
Alt	US 3134408638	Peak Altaexacto		Extreme	Tango	IGfw		58	+113	-9	0	66	+654	+0.04	-0.08	-0.01	+32	+15	+29	+137	-24	-16	46	+312	103	103	102		101	99		70	102	103	106	97	103					
GGI	DE 0359235142	Lestrup		Louis	Suran	Gfw		65	+113	-5	0	71	+679	-0.16	-0.03	+0.01	+14	+21	+32	+125	-4	-31																				

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

NVImelkdoel = 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
NVIdubbeldoel = 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

Augustus 2020

Ki	Stiernummer	Stiernaam	Erf-fact	Vader	M-vader	B	N	Bt	NVI	+/-	dtrs	Bt	kgM	%V	%E	%L	kgV	kgE	KgI	INET	+/-	BVK	Bt	Lvd	Ugh	Vru	Gin	Geb	KA	MS	Kgh	Bt	F	T	U	B	Ext							
Ai	Bull number	Bull name	Her-fact	Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	KgI	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Tem	MS	CLW	Rel	F	DS	U	F&L	T							
Melkdoel Zwart											pnt	Productie											€	€	Functioneel										Exterieur									
Kam	NL 724915581	Willem's-Hoeve Nudan		Penley	Sudan	Gfw		68	+102	-4	0	72	+1537	-0,47	-0,16	-0,01	+16	+37	+69	+206	-17	-11	60	+315	105	97	96	97	104	101	98	80	106	103	105	99	104							
Tot	NL 653319047	Vekis Dg Tinder		Montana	Tango	IGfw		58	+102	-21	0	66	+1215	-0,29	-0,27	+0,00	+22	+15	+55	+124	-9	-33	45	+215	104	103	102	97	100	104		70	102	104	107	97	103							
Dek	FR 5941776583	Lebest		Woodcrest Mo	Supersire	Gfw		66	+102	-9	0	71	-55	+0,12	+0,08	+0,03	+8	+5	+0	+37	-21	-27	58	+299	101	106	104	104	106	103	100	71	105	106	111	100	108							
Sem	CA 109890165	Swissbec Whisk P	PO	Jedi	Mardi Gras	IGfw		62	+100	-4	0	71	+1230	-0,34	-0,19	+0,00	+18	+24	+56	+153	-2	-40	50	+277	101	104	101	100	104	102		74	101	105	113	92	104							