

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

December 2019

Ki Stiernummer	Stiernaam	Erf. Vader	M-vader	B	N	Bt	NVI	+/-	dtrs	Bt	kgM	%V	%E	%L	kgV	kgE	KgL	INET	+/-	BVK	Bl	Lvd	Ugh	Vru	Gin	Geb	KA	MS	Kgh	Bt	F	T	U	B	Ext				
Ai Bull number	Bull name	Her Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgV	kgE	KgL	INET	+/-	SECM	Bl	Lon	Udh	Fer	Cal	DCE	Ten	MS	LW	Rel	F	DS	U	F&L	T				
Melkdoel Zwart										Productie										€										Functioneel									
										€																				Exterieur									
WWS US 70071611	S-S-I Mogul Reflector	Mogul	Super			87	+377	+28	129	91	+1708	-0.24	-0.01	+0.06	+48	+58	+84	+364	+16	+13	75	+997	107	105	108	99	107	107	106	90	102	105	116	107	114				
K&L DK 000000257379	Vh Bube Bernell	Bube	Vh Salomon	Gnat		86	+349	+35	224	91	+1607	-0.15	+0.01	+0.01	+35	+42	+54	+262	+67	+17	73	+677	108	108	108	103	102	97	111	92	102	102	108	111	111				
Alt US 69829746	Lone-Oak-Acres Altarabo-Et	Mogul	Observer	Nat		91	+348	-17	1262	95	+1838	+0.01	-0.14	+0.11	+79	+49	+96	+396	+7	+33	82	+779	109	103	104	102	105	105	101	95	103	103	115	106	112				
Tot DE 0538920253	Dg Charley	Supershot	Mogul	Gnat		79	+347	+6	78	87	+1672	-0.15	-0.09	+0.04	+55	+49	+80	+340	+2	+53	69	+896	106	106	109	106	105	101	106	86	95	100	108	104	105				
Sem CA 11761788	Silverridge Endure	Doorman	Snowman	Nat		84	+344	+27	299	91	+1740	-0.16	-0.07	+0.01	+57	+53	+80	+361	+25	-20	75	+1124	109	103	104	98	98	82	105	91	104	105	110	104	109				
Sam NL 755898903	Cogent Supershot	Supersire	Super	Nat		91	+339	-5	345	96	+2193	-0.52	-0.14	+0.11	+36	+61	+112	+359	-9	-25	82	+961	107	107	106	102	105	95	105	96	106	107	107	103	108				
Alt US 72615089	Bomaz Altabanco	Donatello	Rnw Amitage	Nat		80	+333	-4	91	84	+1436	-0.09	-0.05	+0.00	+52	+45	+65	+313	+7	-4	67	+702	109	109	106	98	102	102	108	80	98	104	110	101	106				
Gex US 73316308	Weiglence Jacey Tabasco	Jacey	Bookem	Nat		85	+332	+22	312	89	+2435	-0.36	-0.03	+0.01	+63	+81	+112	+498	+22	-28	74	+636	105	104	106	102	106	97	104	92	106	105	104	103	106				
ABS US 70625988	De-Su 11236 Balisto	Bookem	Watson	Nat		97	+332	-11	5277	99	+1100	+0.37	+0.33	+0.01	+83	+71	+51	+481	+4	-28	93	+752	106	102	105	105	105	101	100	99	99	103	111	101	107				
K&L DK 02371402699	Vh Bosman	Balisto	G-Force	Gint		83	+327	-4	92	88	+1386	+0.22	+0.21	-0.04	+81	+70	+59	+475	-10	+30	70	+655	104	102	102	100	100	101	103	87	96	100	107	106	106				
CRV NL 548848001	Delta Galore	Balisto	Gravity	Gnat		89	+327	+13	1132	92	+1692	-0.18	-0.12	+0.05	+53	+72	+82	+431	+29	+37	80	+707	105	101	95	104	99	94	106	99	93	102	113	108	109				
WWS US 66636657	De-Su 521 Bookem	Planet	Ramos	Nat		98	+322	+18	2950	99	+1543	-0.22	-0.03	+0.04	+43	+51	+74	+322	+18	+15	95	+761	108	106	110	101	104	94	101	99	100	103	110	104	108				
CRV NL 878791136	Aurora Freeze	Bowser	O Man	Gnat		92	+320	+11	209	97	+1341	-0.13	-0.12	+0.10	+44	+59	+71	+356	+9	+69	88	+769	102	109	102	103	95	103	106	93	92	100	108	100	102				
ABS US 58591942	Larrcrest Commander	Mogul	Observer	Nat		92	+318	-7	662	97	+1566	+0.01	-0.02	+0.15	+68	+53	+87	+386	+26	+19	84	+586	106	102	105	98	107	108	105	96	99	103	113	107	111				
CRV NL 888659628	Delta Bookem Danno	Bookem	Bolton	Gnat		98	+317	-2	23445	99	+1407	-0.23	-0.05	+0.03	+36	+44	+67	+276	+4	-9	97	+439	108	106	109	101	100	88	105	99	101	107	108	115	114				
Alt US 3126779968	Peak Altuscan	Davinci	Numero Uno	Nat		75	+314	-14	121	83	+1690	+0.28	+0.07	+0.05	##	+66	+82	+507	+12	+11	64	+631	105	102	100	98	104	103	101	69	99	103	115	98	107				
AWE NL 755898972	Cogent Dg Superstyle	Supersire	Super	Nat		79	+314	+8	102	89	+2592	-0.44	-0.20	+0.09	+60	+68	+129	+444	+23	-17	70	+825	106	103	105	100	107	104	84	94	102	105	108	101	106				
Sem US 74414205	Westcoast Kerrigan	Kingboy	Numero Uno	Nat		72	+313	+37	37	81	+1918	-0.10	-0.06	+0.01	+71	+60	+89	+422	+77	-1	65	+905	107	101	105	95	101	102	102	79	101	103	114	98	107				
K&L US 69763386	View-Home Day Missouri	Day	Roylane Socra R	Nat		83	+312	-17	164	91	+2798	-0.67	-0.25	-0.06	+42	+69	+121	+407	+14	+51	73	+665	105	101	105	101	99	99	106	88	90	95	114	101	104				
Sem CA 11703311	Silverridge V Wickham	Mogul	Snowman	Nat		91	+310	-4	569	95	+2105	-0.13	-0.25	+0.03	+75	+46	+99	+376	-2	-15	82	+807	106	101	107	101	108	104	105	95	102	105	115	103	111				
Alt DE 0355936976	Rr Altamopan	Mogul	Super	Nat		88	+309	+39	399	94	+1740	-0.10	-0.24	+0.13	+64	+35	+93	+306	+46	+26	79	+574	108	102	106	100	99	98	106	86	100	103	112	110	112				
WWS US 143189741	Wa-Del Yoder Bandares	Woodcrest Mogu	Massey	Nat		74	+309	+146	41	80	+816	+0.19	+0.13	+0.07	+53	+41	+44	+293	+273	-33	63	+823	105	106	110	97	105	109	104	83	103	107	114	105	112				
Alt NL 949033666	Westenrade Altaspring	Mogul	Gerard	Nat		90	+308	-9	530	95	+1757	+0.03	-0.04	+0.03	+78	+57	+83	+422	-8	-10	81	+667	102	104	106	99	102	104	104	94	103	108	114	102	111				
CRV BE 911953889	Doodhoek Kingston	Jasper	Massey	Gnat	Gn	82	+306	+19	308	88	+1736	-0.42	+0.08	+0.01	+30	+69	+80	+370	+67	+10	71	+613	107	105	107	102	100	92	105	91	100	103	105	102	104				
CRV NL 755139693	Het Meer Bravo	Balisto	Bowser	Gnat		92	+306	+12	3242	95	+975	+0.19	+0.18	+0.11	+60	+52	+55	+356	+37	-25	84	+553	108	105	109	107	103	89	99	90	103	102	105	106	107				
CRV BE 411506393	Delta Bulb	Edison	Mascol	Gnat		90	+306	+36	158	95	+1158	-0.36	-0.18	+0.19	+14	+22	+72	+141	+29	+34	82	+940	110	109	106	104	102	100	106	90	103	105	104	108	108				
GGI DE 0666519827	Barley	Balisto	Epic	Gnat		84	+305	+10	174	89	+1126	+0.37	+0.36	-0.06	+85	+75	+45	+500	+2	+1	72	+668	101	100	106	104	105	97	104	88	98	102	108	103	106				
CRV NL 588000519	De Vlog Chrisboy	Epochal	Titium	Gnat	Gn	83	+304	+67	348	89	+1467	+0.07	-0.16	+0.05	+70	+35	+72	+312	+173	-8	73	+648	106	104	103	105	100	99	104	92	102	104	107	112	111				
CRV NL 921967114	Bouw Finder	Balisto	Epic	Gnat		89	+304	+1	1524	92	+286	+0.45	+0.12	+0.07	+53	+21	+19	+203	+2	-25	81	+818	107	105	111	105	103	99	108	99	101	105	110	111	112				
CRV NL 767081368	Koepon General	Daddy	Jeeves	Gnat		89	+303	+1	383	94	+921	+0.04	-0.05	-0.02	+43	+27	+40	+213	+4	+10	79	+775	108	107	107	100	101	99	110	95	98	105	106	106	107				
Alt US 3009976647	No-Fla Alingenuity	Epic	Trigger	Nat		84	+302	+6	131	89	+1130	-0.26	-0.09	+0.19	+22	+30	+70	+190	+10	-8	74	+923	107	106	109	105	107	101	110	88	101	102	112	105	110				
CRV NL 718437783	Delta Topgear	Malki	Solero	Gnat		86	+302	+3	661	91	+715	-0.13	+0.03	-0.11	+18	+28	+22	+159	-7	-55	77	+730	108	106	107	102	95	88	112	95	104	108	108	116	115				
CRV NL 246470564	Beerzedal Paragon	Rocky	Jeeves	Gnat		87	+301	-22	415	92	+1141	+0.36	+0.13	+0.00	+84	+53	+52	+409	+7	-1	77	+782	105	100	105	102	105	97	105	95	105	108	108	104	109				
Bov US 140969423	Ronelec Dorcy Deligent	Dorcy	Boliver	Nat		81	+301	+10	98	90	+1650	-0.47	-0.12	+0.10	+21	+45	+86	+254	+27	+28	70	+852	108	105	106	100	103	104	104	85	94	99	117	104	109				
WWS US 70626040	De - Su Mg Davinci 11288	Mogul	Watson	Nat	2n	81	+300	-2	30	86	+1756	+0.13	+0.01	+0.11	+88	+62	+92	+467	-4	-3	74	+643	106	100	104	102	102	105	100	84	99	103	113	101	108				
CRV US 3010356101	Mr Maribel Jacey Marlow	Jacey	Numero Uno	Gint		78	+299	+8	40	87	+1360	-0.13	-0.05	+0.07	+45	+42	+69	+287	+29	-4	68	+874	110	105	102	98	106	104	103	83	100	104	114	100	108				
Tot US 72128215	Mr Mogul Denver 1426	Mogul	Roylane Socra R	Nat		80	+298	+10	64	86	+2347	-0.08	-0.21	+0.06	+91	+59	+114	+467	-3	+11	72	+654	101	103	103	95	105	102	102	84	102	106	112	100	108				
Tot US 72128125	Edg Rubicon	Mogul	Roylane Socra R	Nat		88	+298	+5	316	94	+964	+0.51	+0.09	+0.12	+91	+42	+56	+380	+37	+5	79	+641	105	101															

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Ki Stiernummer	Stiernaam	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 number	Bull name	Her Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Ten	MS	LW	Rel	F	DS	U	F&L	T														
Melkdoel Zwart										Productie										€										Functioneel										Exterieur									
CRV NL 930896036	Newhouse Jasper	CD G-Force	Crickert	Gnat		89	+288	+19		119	94	+761	+0.24	+0.26	+0.02	+55	+51	+37	+336	+5	+31	80	+415	106	105	105	104	99	93	106	93	99	98	110	103	106													
CRV NL 748138760	Delta Reporter	Skyfall	Belfast	Gnat		89	+288	+4		703	93	+1001	-0.12	+0.16	+0.00	+31	+51	+46	+288	+3	+60	81	+377	104	105	105	103	96	96	111	97	103	104	104	109	108													
Mas NL 931432709	Bwn Danno Chief	Danno	Epic	Gnat		85	+287	-16		175	91	+718	-0.13	+0.01	+0.07	+43	+26	+39	+209	+23	-37	75	+589	112	101	107	102	103	95	107	92	105	106	113	113	116													
CRV NL 679221023	Ms Camino	Commander	Super	Gnat	Gn	79	+286	+34		126	86	+1878	-0.37	-0.10	+0.01	+41	+55	+87	+338	+37	+13	69	+523	105	102	104	100	106	107	106	87	96	100	114	106	109													
CRV NL 758114819	Delta Milkyway	Mobile	Gibor	Gnat	Gn	83	+286	+79		201	90	+1849	-0.21	-0.17	-0.06	+56	+46	+78	+330	+58	+100	74	+670	105	103	106	103	101	94	101	89	92	93	102	105	100													
CRV NL 917456064	Delta Semper	Solution	Stellando Rf	Gnat	Gn	83	+286	+16		299	89	+1347	-0.23	-0.03	+0.03	+34	+44	+64	+271	-73	+30	72	+385	108	105	107	108	101	95	107	90	99	101	106	108	107													
CRV NL 538172899	Tjebbinga Geelong	G-Force	Mascot	Gnat		94	+286	-4		364	98	+526	+0.45	+0.14	-0.04	+64	+31	+20	+268	+1	+47	88	+615	106	103	104	102	97	91	108	94	101	103	104	110	108													
ABS US 69087180	View-Home Monterey Et	McCutchen	Roylane Socra R	Nat		87	+285	+6		224	90	+1102	+0.06	+0.02	+0.08	+53	+40	+58	+293	-28	+30	75	+794	101	103	109	102	107	107	106	92	94	99	117	103	109													
Kam NL 842249399	Payday	Bookem	Mascot	Gnat		81	+284	+23		107	89	+1471	-0.11	+0.01	+0.03	+51	+52	+70	+341	+23	-13	73	+723	107	104	100	99	103	96	103	84	102	104	105	105	107													
CRV NL 656787711	L W Crescendo	Stellando Rf	Planet	Gnat		91	+283	+5		278	96	+1774	+0.06	-0.06	+0.03	+82	+56	+84	+427	+1	+34	83	+419	101	105	109	105	99	104	103	94	99	105	104	101	103													
CRV NL 548354692	Delta Regard	Chevrolet	Belfast	Gnat		91	+283	+4		757	95	+2278	-0.38	-0.16	+0.06	+55	+62	+110	+403	+23	+63	82	+457	104	97	107	99	99	106	105	98	100	102	111	107	110													
CRV NL 751519714	Apina Malcolm	RF Stellando Rf	Ramos	Gnat		93	+283	-2		259	97	+1508	-0.10	+0.05	-0.03	+54	+58	+66	+371	-23	+17	87	+246	103	103	107	101	102	100	107	94	102	105	100	113	108													
CRV NL 533730469	Delta G-Force	Man-O-Man	Jordan	Gnat		99	+283	-10		15549	99	+984	+0.18	+0.18	-0.01	+59	+52	+44	+350	+4	+76	99	+405	100	106	104	104	100	99	103	99	100	102	106	108	108													
STG US 72128224	Mr Mogul Drama 1435	Mogul	Roylane Socra R	Nat		76	+282	+7		58	85	+2474	-0.46	-0.32	+0.10	+54	+50	+124	+356	-14	+41	69	+677	103	102	103	103	104	106	103	78	97	103	110	105	108													
CRV NL 875952040	Bouw Final	Danno	Epic	Gnat		93	+282	-2		4090	95	+1446	-0.19	-0.08	+0.12	+42	+42	+78	+284	-3	-7	86	+499	108	101	106	104	106	95	106	99	98	106	109	112	111													
ABS US 72851652	De-Su 12109 Battlery	Balisto	Numero Uno	Nat		83	+282	-12		108	90	+881	-0.25	-0.02	-0.02	+62	+29	+38	+261	-7	+34	73	+836	109	103	101	100	103	99	102	90	93	99	113	103	106													
CRV NL 924716230	Delta Daily	Danno	Augustus	Gnat		86	+282	-5		321	91	+1735	-0.49	-0.19	+0.09	+22	+41	+89	+241	-6	+11	76	+347	109	106	108	102	100	99	104	92	97	102	110	109	109													
GGI DK 02371402371	Banesto	Bookem	Xacobeo	Gnat	2n	86	+281	+33		67	92	+1412	-0.39	-0.06	+0.05	+20	+43	+69	+239	+17	+3	77	+896	106	104	107	100	108	97	104	87	106	105	112	104	111													
CRV DK 02371402624	Tirsvad Nautic	Atlantic	Bookem	Gnat		88	+281	-11		404	93	+936	-0.25	+0.06	-0.07	+16	+38	+36	+200	-24	-19	79	+527	109	106	108	103	100	103	106	95	98	98	111	109	110													
GGI DK 03372306362	Balilum	Balisto	Snowman	Gnat		87	+280	-5		335	93	+1492	+0.20	+0.10	+0.04	+84	+62	+72	+452	+14	-50	78	+624	107	100	104	103	100	91	101	94	102	103	108	101	106													
Alt US 71996878	Wesselcrest Altaantep	Mogul	Observer	Nat		92	+280	-18		763	96	+2245	-0.21	-0.20	+0.06	+72	+56	+109	+414	+0	-11	84	+422	104	99	108	98	107	106	103	93	104	108	113	107	113													
CRV NL 925887513	Bouw Rocky	Shamrock	Goli	Gnat		97	+280	-19		7834	99	+539	+0.14	+0.09	-0.02	+36	+27	+23	+193	+6	-39	93	+956	108	104	109	101	102	98	106	99	103	108	110	106	111													
K&L US 69981344	Seagull-Bay Sargeant	Badger-Bluff Fa	Planet	Nat		90	+279	+5		348	96	+3075	-0.68	-0.37	+0.08	+50	+63	+150	+408	+23	-25	83	+747	102	102	100	97	105	102	106	94	102	108	109	102	108													
Alt US 73752884	No-Fla Altafireup	No-Fla Fuclup 3	Mogul	Nat		76	+279	+37		121	82	+992	+0.42	+0.05	+0.12	+83	+30	+57	+314	+93	+36	64	+718	104	100	108	102	103	103	107	80	101	103	112	104	109													
WWS US 3008328663	S-S-I Robust Biggie	Roylane Socra R	Planet	Int		82	+278	+29		220	89	+1513	+0.10	+0.04	+0.00	+75	+57	+69	+412	+18	+31	75	+598	104	100	105	98	105	104	104	81	102	102	105	103	105													
WWS US 71913155	De-Su Ss Honeybee 11569	Supersire	Bookem	Nat		86	+278	+30		211	90	+1523	-0.17	-0.14	+0.08	+47	+39	+78	+282	+57	-22	75	+758	107	105	108	100	105	100	104	90	104	106	109	101	107													
Tot US 70477026	Mr Moviestar Model	Roylane Socra R	Planet	Nat		73	+278	+41		18	81	+1381	-0.27	-0.12	+0.12	+31	+36	+75	+235	+63	+2	67	+930	104	105	106	101	104	101	107	75	102	105	106	105	107													
CRV NL 727640066	Vendairy Sidekick	Supershot	Bookem	Gnat	Gn	78	+278	-5		70	86	+1510	-0.41	-0.16	+0.08	+22	+36	+77	+217	-19	-40	68	+895	110	105	110	102	105	93	102	85	101	104	111	102	108													
GGI NL 916344441	Mars Mandela	Mogul	Super	Gint		81	+277	-17		23	85	+1155	+0.16	+0.06	+0.04	+65	+46	+57	+342	-41	+13	70	+625	104	105	108	99	103	98	103	81	99	101	104	102	103													
WWS US 3008160969	No-Fla Emulate 30309	Bookem	O Man	Int		81	+276	+11		50	88	+1988	+0.00	-0.15	-0.01	+85	+53	+90	+423	+33	+16	76	+558	101	104	105	99	105	102		78	101	105	107	102	106													
CRV NL 734247278	Jhs Paradise	Snowman	Shottle	Gnat		93	+276	-1		263	97	+2296	-0.43	-0.32	+0.02	+50	+45	+107	+322	-13	+30	86	+561	104	102	103	102	100	101	107	95	103	105	108	107	110													
CRV NL 714130460	Oosterzicht Genie	Numero Uno	Atlantic	Gnat		90	+276	-13		157	95	+767	+0.27	+0.07	-0.04	+58	+33	+31	+266	-7	+42	81	+591	103	108	104	101	99	105	104	92	102	99	111	103	108													
Mas DE 0357400200	Bonando	Boss	Beacon	Gint		80	+275	-7		36	84	+1970	-0.13	-0.10	+0.04	+70	+58	+94	+413	+33	-13	68	+457	106	102	103	95	102	96	101	78	100	101	109	103	107													
Alt US 70344827	Synergy Altapilsner	Jives	Planet	Nat		95	+275	+7		932	99	+801	+0.34	+0.25	+0.05	+67	+52	+41	+366	+2	+26	91	+591	105	103	108	101	97	92	105	93	105	104	101	101	103													
WWS US 71813425	De-Su Penley 11839	Platinum	Shamrock	Nat		85	+275	+16		165	92	+1094	-0.06	-0.04	-0.03	+41	+34	+47	+240	+44	-36	75	+1019	110	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. 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 Sire	MGS	S N	Rel NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Ten	MS	LW	Rel	F	DS	U	F&L	T						
Melkdoel Zwart																		€	€	Functioneel										Exterieur									
WWS US 70625882	De-Su Distinction 11130	Shamrock	Man-O-Man	Nat	2n	76	+266	-29	24	84	+1125	+0.22	-0.04	+0.15	+70	+35	+66	+310	+7	+34	71	+877	103	102	105	102	103	103	105	80	99	102	108	100	104				
Alt US 72615076	Bomaz Atasabre	Jacey	Roylane Socra R	Nat		80	+266	-3	129	86	+1303	-0.14	+0.02	+0.05	+41	+47	+64	+298	+3	-35	69	+560	108	109	99	100	106	101	102	78	101	105	107	100	105				
Alt NL 762038996	Holec Altaibarista	Balisto	Man-O-Man	Nat		74	+265	+6	43	82	+1435	+0.04	+0.25	+0.02	+65	+76	+68	+469	+198	+16	68	+446	105	98	102	104	102	100	102	77	100	103	108	101	105				
CRV NL 687678693	Het Meer Livingston	RF Malcolm Rf	Mogul	Gnat		86	+265	-6	478	92	+1423	+0.09	+0.02	+0.11	+70	+52	+76	+383	+1	-16	77	+374	107	103	110	103	105	102	100	95	102	106	107	101	106				
CRV NL 546055236	Weelder Solution	Goliath	Laudan	Gnat		92	+265	+1	264	97	+1627	-0.34	-0.08	+0.12	+34	+48	+87	+294	+17	+29	85	+310	105	104	106	108	100	98	107	94	100	100	109	106	108				
CRV NL 548150665	Vero Pianoman	Mogul	Planet	Gnat		91	+265	+22	496	96	+1256	-0.08	-0.06	+0.10	+45	+38	+67	+270	+41	-28	82	+757	105	101	100	100	107	104	105	96	102	105	111	111	113				
GGI DK 03372305714	Beladi	Bookem	Massey	Gnat		89	+265	+1	287	94	+851	+0.22	+0.02	+0.03	+57	+32	+42	+264	-8	+18	79	+575	110	105	104	99	105	97	100	92	99	106	111	101	107				
CRV NL 757448553	Delta Natural	Packman	Super	Gnat		87	+264	+10	130	94	+1661	-0.08	+0.06	+0.06	+62	+64	+82	+417	+7	+24	79	+327	105	104	104	101	102	101	103	88	103	102	103	99	102				
Sem CA 107931151	Silverridge V Extreme	Supesire	Snowman	Nat		77	+264	+11	41	84	+1831	-0.34	-0.12	+0.00	+42	+51	+83	+322	+8	-15	69	+816	104	103	100	100	100	97	104	85	105	106	108	103	108				
CRV NL 967155003	Delta Silverman	Danno	Stan	Gnat		86	+264	-4	181	92	+1660	-0.38	-0.10	+0.12	+31	+47	+88	+284	-7	-61	77	+430	109	103	103	99	99	97	104	92	103	107	111	109	113				
Kam NL 664364616	Kik Bookmaker	Bookem	Altiaota	Gnat	Gn	79	+264	+49	116	87	+847	+0.17	+0.08	+0.02	+52	+37	+41	+273	+102	-37	71	+545	108	107	104	98	103	90	104	83	105	104	107	102	107				
CRV US 3128769111	Peak Chuck	Supershot	Ransom	Gnat	Gn	81	+264	-40	259	87	+1054	-0.19	+0.01	+0.12	+26	+38	+60	+228	-83	-14	69	+932	104	103	108	105	103	99	107	91	105	108	111	103	110				
WWS US 69990138	De-Su Bkm Mccutchen 1174	Bookem	Shottle	Nat		96	+263	+11	929	99	+1319	+0.09	-0.10	+0.05	+65	+36	+65	+304	+2	-39	92	+556	106	102	109	99	107	102	102	99	98	104	118	103	111				
GGI DE 0538393143	Board Et	Boss	Epic	Gnat		83	+263	+19	92	89	+1319	-0.12	-0.02	+0.06	+44	+44	+66	+293	+38	-40	71	+693	108	102	108	102	104	96	103	87	106	106	107	104	109				
Alt US 3125475781	Peak Altaconjuror	Jabir	Mogul			69	+262	-2	72	79	+976	+0.26	+0.10	-0.05	+67	+44	+40	+333	+38	-61	61	+549	102	104	104	100	105	101	106	65	97	106	111	106	109				
Alt US 73728275	Dr Alaparisian	Mccutchen	Roylane Socra R	Int		79	+262	+3	71	89	+1079	+0.06	-0.01	+0.00	+52	+37	+49	+276	-14	-60	69	+623	102	105	107	102	105	100	102	79	96	102	112	106	109				
WWS US 3123886035	S-S-I Montross Jedi	Montross	Supesire	Nat		84	+261	+6	184	88	+2164	-0.53	-0.02	+0.14	+34	+73	+114	+405	+1	-22	72	+628	107	104	104	103	108	99	97	90	100	104	114	92	104				
Sem US 73956539	Morningview Upright	Kingboy	Número Uno	Nat		72	+261	+46	64	82	+1417	+0.09	-0.06	-0.07	+69	+43	+58	+339	+26	-36	63	+673	102	108	110	100	105	102		79	104	106	111	95	105				
GGI DK 03372306253	Chevalier	Chevrolet	Snowman	Gnat		82	+261	-6	74	90	+1715	-0.10	-0.21	+0.01	+63	+38	+79	+312	-13	+14	72	+629	107	102	109	100	104	100	101	88	102	105	106	102	106				
CRV NL 946768330	Red Rocks Mason	RF Massey	Snowman	Gnat		90	+261	-22	197	95	+1198	-0.21	+0.03	-0.02	+30	+45	+33	+263	-9	-4	81	+776	109	100	104	104	100	98	106	93	97	105	106	105	106				
Alt US 69829747	Lone-Oak-Acres Altaroble	Mogul	Observer	Nat		87	+261	-8	230	94	+1085	-0.17	-0.13	+0.15	+29	+25	+64	+183	+9	+9	77	+593	106	107	103	101	106	106	103	86	102	104	117	106	113				
Toe NL 664208143	Sloboom S Jorvik	Mccutchen	Snowman	Nat		69	+260	+33	39	79	+1699	-0.06	-0.05	+0.06	+66	+54	+84	+385	+36	+7	62	+537	106	99	107	100	105	96		74	98	102	111	102	107				
Tot DE 0355203353	Kns Boss	Bookem	Man-O-Man	Gnat		94	+260	-17	1164	97	+1226	+0.03	+0.10	+0.01	+55	+53	+57	+350	+14	-16	87	+399	104	103	107	98	101	96	102	97	100	104	108	106	108				
GGI DE 0537611409	Guard	Guarni	Leif	Gnat		90	+260	-5	216	95	+596	+0.23	+0.33	+0.02	+47	+52	+29	+321	-2	+79	80	+299	103	104	103	99	95	95	104	93	97	100	107	106	106				
GGI DE 0538281295	Balu	Balisto	Epic	Gnat		87	+259	-28	576	92	+1817	-0.30	+0.02	-0.06	+46	+66	+77	+390	-11	-20	78	+636	107	101	105	108	104	100	101	95	101	106	105	99	103				
CRV NL 7140181313	Plataan Fuel	BY Plan	Cnicket	Gnat		84	+259	+10	129	92	+1190	-0.16	+0.02	+0.05	+35	+43	+59	+268	+62	-39	73	+747	108	106	96	110	102	104	103	89	103	106	110	102	108				
Bov US 73143748	Ronelee Midnight Detour		Mogul	Nat		72	+258	-28	48	81	+1353	+0.06	-0.06	+0.01	+64	+41	+63	+321	-1	+31	63	+644	102	103	107	104	100	104	103	80	100	99	112	100	106				
Mas NL 546055407	Weelder Special Force	G-Force	Planet	Gnat	2n	86	+258	+8	63	92	+1959	-0.54	-0.10	+0.00	+25	+58	+89	+317	+16	-29	77	+807	103	103	100	102	103	104	103	85	104	104	110	104	109				
CRV NL 672633339	Hunje Holstein Armada	RF CD Balisto	Mr Savage	Gnat		82	+257	+14	85	90	+491	+0.39	+0.25	+0.02	+57	+40	+24	+291	+27	+16	72	+588	108	103	107	106	98	103	103	89	92	96	105	101	100				
WWS US 3014365400	Ood Rodgers Franchise	Rodgers	Mogul	Nat		71	+257	+1	24	77	+1253	-0.11	-0.14	+0.05	+42	+30	+62	+230	+17	+17	60	+682	107	104	109	108	103	101	104	77	94	101	114	99	105				
Tot NL 548077193	Dg Conдор	Mogul	Observer	Nat		76	+257	+1	57	85	+256	+0.68	+0.03	+0.11	+72	+12	+22	+207	-2	+50	67	+663	107	102	109	104	102	104	103	72	98	100	114	104	109				
WWS US 68977120	Ladys-Manor Pl Shamrock	Planet	Shottle	Nat		96	+257	-4	446	99	+1399	-0.22	-0.30	+0.08	+37	+18	+72	+173	+7	+42	94	+989	101	107	106	103	103	104	106	97	100	101	107	103	105				
Kam NL 731555743	Holbra Bastilo	Balisto	Man-O-Man	Gnat	Gn	80	+256	+49	93	88	+330	+0.69	+0.40	-0.08	+77	+48	+8	+361	+109	-42	71	+679	103	103	97	105	102	104	105	82	101	101	113	98	106				
Sam NL 737132388	Vvh Repairman	Maik	Snowman	Nat		92	+256	+27	861	96	+894	+0.23	+0.03	-0.09	+60	+34	+32	+275	+23	-55	84	+859	104	101	105	101	100	97	106	95	100	107	102	110	107				
CRV NL 662846369	Delta Lucifer	Dynamo	Man-O-Man	Gnat		88	+256	+3	166	94	+857	-0.14	+0.16	-0.04	+23	+45	+35	+243	+3	-8	78	+682	104	105	99	10													

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. 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 Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%P	%P	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCF	Ten	MS	LW	Rel	F	DS	U	F&L	T				
Melkdoel Zwart										Productie										€										Functioneel									
										pnt										€										Exterieur									
CRV NL 498938423	Delta Atlantic	Ramos	O Man	Gnat		99	+248	+3	60235	99	+230	-0.04	+0.17	-0.13	+6	+23	-1	+107	+4	-7	99	+462	109	107	109	103	103	96	109	79	104	105	104	110	109				
WWS US 3124584893	S-S-I Modern Miller-P	PO S-S-I Earhnart	Supesire	Nat		72	+247	+15	71	81	+1470	-0.26	-0.13	+0.09	+56	+55	+10	+373	+81	-9	63	+670	104	101	104	96	108	92	101	79	99	105	112	97	105				
CRV US 3126822845	Peak Amplify	De-Su Skyline 1	Mogul	Gint		77	+247	+13	53	84	+1163	+0.07	+0.07	+0.09	+56	+48	+62	+333	+30	+16	64	+538	96	103	106	106	103	101	106	83	95	103	114	104	108				
Sem US 70801850	Coyne-Farms Jabir	Facebook	Badger-Bluff Fa	Nat	2n	81	+247	-3	45	89	+1101	+0.05	-0.04	-0.02	+52	+34	+48	+263	+2	-42	72	+563	105	107	105	102	103	102	105	84	97	106	103	103	103				
Mas DE 0356333357	Genestar	Genesis	Dorey	Gint		77	+247	-10	44	87	+1408	-0.50	-0.02	+0.00	+9	+47	+64	+231	+3	+13	66	+766	104	105	104	101	96	101	101	79	101	103	113	102	109				
WWS US 69177592	Rickland Predesline 669	CD Shamrock	Goldwyn	Nat		84	+247	-10	48	90	+80	+0.47	+0.14	-0.11	+45	+15	+13	+160	+9	+3	77	+884	105	106	108	101	100	106	104	85	97	104	108	103	106				
CRV NL 876621259	Delta Anigo	Atlantic	Gibor	Nat		90	+247	+8	268	95	+300	-0.04	-0.12	-0.18	+9	+21	-3	+104	+7	-20	82	+651	111	108	108	109	102	99	108	94	101	103	103	104	104				
ABS US 71813276	De-Su 11690 Fantasmic	Galaxy	Bookem	Nat		78	+246	+13	95	87	+1482	-0.09	-0.03	+0.04	+72	+49	+72	+374	+44	+14	69	+543	107	99	104	104	107	95	100	79	98	104	111	99	105				
Bov CA 107684488	Lactomont Launch Mogul	Mogul	Man-O-Man	Nat		79	+246	-7	74	87	+1665	-0.10	-0.09	+0.18	+60	+49	+95	+355	-8	+18	71	+501	101	103	104	100	103	104	100	82	99	102	112	102	107				
CRV BE 412323882	Newhouse Jorben	Vitesse	Epic	Gnat		88	+246	+39	1095	92	+963	+0.26	+0.07	+0.06	+66	+40	+50	+318	+89	-54	79	+391	106	103	104	102	100	95	105	97	104	106	114	102	111				
CRV NL 930025236	Sterksel Simba	Sunset	Cricket	Gnat		88	+246	+32	171	94	+409	+0.28	+0.03	+0.10	+43	+17	+28	+168	+35	+37	78	+660	106	105	103	108	104	104	108	90	100	101	107	105	107				
GGL DK 03372306314	Beat	Boss	Snowman	Gint		79	+245	+2	29	87	+1423	-0.05	+0.07	+0.00	+55	+57	+65	+369	+15	-61	70	+422	106	101	106	97	100	93	100	84	104	103	110	104	109				
GGL NL 919137781	Vendairy Lesson	Let It Snow	Bookem	Gnat		80	+245	-3	53	89	+1718	-0.19	-0.12	+0.04	+53	+47	+83	+329	+8	-54	71	+768	108	98	101	98	105	99	100	84	105	106	113	104	111				
Alt US 72395545	T-Spruce Altajake	Welcome Super P	Observer	Nat		83	+245	-24	101	89	+1808	-0.35	-0.25	+0.01	+40	+37	+84	+261	+3	+11	68	+582	106	106	104	101	104	103	102	74	99	101	111	98	105				
GGL DE 1500977836	Jentin	Jeeves	Goldwyn	Int		86	+245	+22	38	91	+1323	-0.16	-0.26	+0.00	+40	+20	+60	+184	+23	+35	78	+738	106	108	103	97	102	101	103	88	98	101	105	101	103				
Dek NL 871458575	Kossinkhoeve Inola	Altaoak	Planet	Gnat		82	+245	-3	82	90	+1118	-0.35	-0.18	+0.21	+13	+21	+72	+135	-4	-26	72	+756	107	107	106	99	102	101	100	87	91	105	115	106	109				
Alt DE 0537222111	Cnn Altachelon	Roylane Socra R	Goldwyn	Nat		86	+244	-12	109	92	+1017	-0.30	-0.21	+0.05	+53	+48	+97	+337	-24	-5	76	+363	104	104	107	102	102	101	102	85	99	103	109	101	105				
WWS US 70412495	Jenny-Lou Mcutchen Crank II	McCutchen	Altaioa	Nat		77	+244	-7	78	85	+1216	+0.02	-0.03	+0.11	+54	+39	+66	+293	-7	-78	69	+532	109	102	107	103	106	100		81	103	107	113	103	110				
WWS US 3006972816	Moundfield Ssi Dey Mogul	Dorey	Marsh	Nat		97	+244	+21	1044	99	+1254	+0.14	-0.13	+0.14	+67	+31	+71	+289	+18	+44	94	+517	100	101	108	102	107	110	101	99	99	105	118	106	113				
Sem CA 107870104	Comestar Lineman	Mogul	Man-O-Man	Nat		83	+244	+0	78	88	+883	+0.16	+0.04	+0.13	+53	+35	+53	+271	-23	+7	71	+518	106	100	106	99	103	100	101	83	99	105	122	103	114				
Alt US 140255326	Fustead Altasamao	Planet	O Man	Nat		86	+244	+11	107	91	+1305	-0.10	-0.17	-0.02	+45	+28	+58	+227	+27	+28	75	+779	110	103	104	101	102	99	103	76	103	102	102	100	102				
CRV NL 538041241	Delta Antidote	Augustus	Shottle	Gnat		91	+244	+4	272	96	+695	+0.23	+0.00	-0.15	+51	+24	+46	+219	+73	+59	84	+244	105	105	103	95	97	103	110	93	101	103	108	106	108				
GGL DE 0770248602	Mission P	RF PO Mousouri	Asterix P	Gint	Gn	74	+243	-8	44	83	+1578	-0.24	-0.01	-0.01	+42	+54	+71	+331	-98	+43	64	+404	103	105	105	101	101	102	105	80	99	102	106	97	102				
Tot NL 761628082	Dg Albiero Blooper	Boss	Beacon	Nat		74	+243	-42	73	83	+1073	+0.52	+0.36	-0.01	+51	+36	+4	+256	-15	+14	66	+481	105	103	107	102	102	99	101	74	98	100	109	107	108				
Mas NL 919137806	Vendairy Lendary	Let It Snow	Bookem	Gint		84	+242	-3	80	88	+1641	-0.11	-0.01	+0.03	+58	+56	+78	+375	+29	-55	71	+625	103	99	103	97	102	103	102	83	105	106	110	105	110				
Alt US 71864244	Synergy Altaparquet	Numero Uno	Planet	Nat		85	+242	+4	159	92	+1629	-0.03	-0.15	+0.08	+66	+41	+83	+332	+16	-32	75	+702	104	105	102	99	100	100	103	82	105	105	109	95	104				
GGL IT 97990030448	Suran	RF Super	Mr Bums	Nat		82	+242	-12	29	86	+2024	-0.39	-0.17	-0.04	+44	+52	+88	+332	-8	-9	74	+671	106	102	99	98	102	99	99	79	100	102	108	102	106				
Dek FR 2279421648	Jieiraki	McCutchen	Altaioa	Gnat		80	+242	-7	91	88	+1050	+0.18	+0.05	+0.01	+62	+42	+49	+317	+7	-19	70	+345	106	105	106	98	99	100	98	87	103	105	115	100	110				
ABS CA 11857447	Bryecholme Ss Boastful	Supesire	Man-O-Man	Nat		84	+242	+30	306	91	+748	+0.22	+0.09	+0.03	+53	+35	+37	+266	+58	-5	75	+643	106	104	106	105	104	101	101	88	98	105	112	99	106				
GGL DE 0666050471	Big Point	Bookem	Man-O-Man	Gnat		87	+241	+31	129	94	+1739	-0.47	-0.11	+0.09	+25	+49	+89	+280	+20	+10	78	+678	105	102	102	98	91	97	102	89	95	104	111	102	106				
STG US 3012574853	Mr Coin Draco 15006	CD Cashem	Roylane Socra R	Nat		74	+241	-11	26	80	+1714	-0.24	-0.22	+0.05	+48	+37	+83	+277	+17	+27	68	+766	108	104	103	103	102	99	98	78	97	100	112	94	102				
Sem US 3013129323	Ladys-Manor Doorsopen	Dorman	Dorey	Nat		82	+241	+3	116	90	+785	+0.29	-0.04	+0.00	+61	+24	+36	+237	+19	-30	73	+721	112	98	101	95	99	90	101	90	101	104	118	104	113				
CRV NL 7206600029	Delta Saxobeat	Epic	Bolton	Gnat		93	+240	-7	243	97	+1457	-0.07	-0.01	+0.04	+55	+50	+71	+342	-2	-77	86	+435	101	101	107	100	105	98	108	94	106	107	109	107	111				
Alt CA 107931088	Lookout Pesce Altakado	Air-Osa-Exel Al	Man-O-Man	Nat		82	+240	+8	68	87	+2040	-0.45	-0.17	-0.04	+38	+53	+89	+324	+7	-42	76	+374	106	104	104	103	109	99	105	76	104	105	107	101	106				
Mas DE 0538551420	Borani-Et	Boss	Epic	Gint		79	+240	+18	56	86	+1257	-0.21	+0.04	+0.06	+32	+48	+63	+283	+17	-5	68	+392	101	107	107	99	103	98	103	80	102	105	109	103	108				
CRV NL 921226060	Vero Startrek	Snowfever Cd	Planet	Gnat		95	+240	-33	7072	97	+1091	-0.10	+0.08	-0.01	+37	+46	+49	+281	-12	-27	88	+425	105	104	97	104	98	98	105	99	105	104	112	106	112				
WWS US 72436679	Edg Esther Estate 8132	Mogul	Bookem	Nat		75	+240	+29	46	81	+1042	-0.05	+0.00	+0.08	+39	+36	+55	+246	+85	-21	74	+496	106	102	105	97	105	105	103	75	99	104	117	105	112				
WWS CA 106807394	Gen-I-Beq Aikman	RF Snowman	Altabaxter	Nat		95	+239	-4	746	98	+903	+0.36	+0.07	-0.06	+73	+38	+35	+320	+0	+4	90	+252	104	104	98	104	102												

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. 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 Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Ten	MS	LW	Rel	F	DS	U	F&L	T				
Melkdoel Zwart										Productie										€										€									
										pnt										Functioneel										Exterieur									
GGI DE 0538251988	Blossom	Boss	Snowman	Gnat		88	+235	+21	242	93	+728	-0.21	-0.01	+0.02	+11	+24	+35	+132	+38	-43	75	+701	109	103	108	98	103	96	105	93	103	106	114	106	112				
Kam NL 612994942	Het Meer Bali	Balisto	Atwood	Gnat		80	+234	-59	97	88	+384	+0.89	+0.32	+0.03	+98	+43	+20	+388	-41	-8	72	+531	105	101	96	99	105	101	99	84	97	98	112	99	105				
Tot NL 920962055	Vekis Dg Popeye	Balisto	Número Uno	Gint		78	+234	-4	26	85	+172	+0.54	+0.23	+0.07	+56	+27	+14	+233	+1	-3	69	+743	107	104	100	99	103	102	99	83	102	103	117	99	110				
Sem CA 107281711	Val-Bisson Doodman	Bookem	Shottle	Nat		94	+234	+6	499	98	+458	+0.20	+0.13	+0.01	+38	+28	+22	+201	+34	-57	88	+740	109	105	104	100	104	91	99	97	101	103	116	100	109				
WWS US 30109751213	Oed McCutchen Durango	RF McCutchen	Observer	Nat		83	+233	-28	79	87	+2070	-0.46	-0.12	-0.02	+38	+59	+92	+349	+10	-7	77	+479	108	97	105	100	104	103	91	97	102	116	100	108					
WWS CA 11161715	Mapel Wood Brewmaster	Garrett	Shottle	Nat		88	+233	+9	271	91	+1073	+0.40	-0.15	+0.02	+85	+23	+51	+288	-7	+25	82	+372	103	104	106	101	101	102	104	91	101	103	106	103	106				
Sem CA 108657338	Lindenrht Megawatt	Enforcer	Bradnick	Nat		77	+233	-16	72	86	+1177	+0.07	-0.10	+0.05	+57	+31	+59	+265	-13	-23	66	+375	101	110	105	101	101	99	100	84	98	104	112	101	107				
CRV NL 636632679	Vd Reminder	Shotglass	Aswin	Gnat		84	+233	-2	119	91	+936	+0.02	-0.05	-0.04	+42	+28	+39	+215	+27	+37	73	+551	111	102	105	107	102	91	101	90	95	104	108	101	104				
CRV NL 734278627	Delta Titanium	Ramos	O Man	Gnat		99	+233	-7	1393	99	+775	+0.09	-0.05	-0.01	+42	+22	+34	+189	+2	+20	99	+384	104	107	109	102	103	105	104	99	104	107	108	105	109				
ABS US 71181872	Sandy-Valley Dreamweaver	Supersire	Altameteor	Int		83	+233	+15	21	90	+1507	-0.57	-0.23	-0.01	+6	+29	+68	+152	+7	-23	70	+698	108	107	107	101	106	98	88	99	105	115	100	108					
WWS US 72850448	Webb-Vue Spark 2060	Supersire	Gabor	Nat		81	+232	+22	80	85	+2415	-0.55	-0.25	+0.06	+41	+56	+117	+351	+56	-13	69	+674	110	97	108	101	105	92	98	79	99	105	108	97	103				
Tot DE 0356477983	Davos	Daddy	Badger-Bluff Fa	Gnat		80	+232	-3	45	88	+1601	-0.37	-0.20	+0.03	+30	+35	+76	+229	-7	-33	69	+452	104	106	108	98	101	104	105	82	106	107	111	102	110				
Mas DE 0357640608	Baldur	Balisto	Epic	Gint		81	+231	-5	24	84	+1180	+0.01	+0.06	+0.03	+51	+47	+57	+317	-24	-50	69	+609	103	103	102	101	101	103	100	82	100	105	111	103	108				
Alt US 70625861	De-Su Altajohnson	CV Snowman	Massey	Nat		91	+231	-8	515	96	+2679	-0.67	-0.40	+0.01	+37	+48	+123	+311	+10	-52	83	+623	113	99	102	101	102	97	100	90	102	107	108	99	105				
ABS US 70346495	Even-Par Shf Cannon-Et	Roylane Socra R	Alexander	Nat		86	+231	-3	328	92	+1819	-0.50	-0.24	+0.14	+24	+38	+98	+236	+0	-1	74	+705	105	102	103	97	101	100	103	82	105	105	110	102	109				
WWS US 64700377	De-Su Watson	Boliver	Shottle	Nat		90	+231	-8	121	93	+538	+0.23	+0.11	+0.07	+44	+29	+31	+221	-9	+13	85	+595	108	103	104	105	99	97	104	91	96	100	108	101	104				
Mas DK 4199601209	Mauid	Mascol	Eminenz	Nat		98	+231	+2	5711	99	+270	+0.17	+0.25	+0.05	+27	+32	+17	+193	+2	+138	97	+729	103	102	102	103	103	103	105	99	93	93	99	106	100				
CRV NL 965813332	Barnkamper Monrovia	CD Mogul	Brilliant Cd	Gnat		88	+231	+26	233	94	+1490	-0.40	-0.20	-0.04	+22	+31	+64	+193	+36	+37	79	+524	99	103	108	106	107	110	103	93	96	100	118	108	113				
WWS US 740721170	Wesselcer Altalambeau	Montross	Grafeti	Nat		68	+230	-5	51	77	+2301	-0.46	-0.13	+0.03	+47	+66	+108	+402	-1	-37	59	+456	105	101	103	104	104	103	101	67	103	106	110	96	105				
Tot NL 920078422	Dg Jk Genicooper	McCutchen	Altaiota	Nat		76	+230	+22	79	86	+1175	+0.21	-0.10	+0.08	+71	+31	+62	+295	+19	-10	68	+496	102	103	107	99	105	102	103	66	98	103	112	101	107				
Alt US 3123600817	Farnear Altafounder	Tango	Mogul	Nat		76	+230	+27	135	85	+934	+0.07	+0.00	-0.03	+47	+33	+40	+246	+1	+27	66	+277	103	106	108	101	103	107	105	79	99	100	113	100	107				
CRV NZ DMLF-11-5	Delta Alonso	Atlantic	Shottle	Gnat		95	+230	+11	747	98	+195	+0.06	+0.19	-0.04	+14	+24	+5	+129	+11	-2	91	+361	103	105	108	103	104	101	108	98	95	98	108	115	110				
Sem CA 11696702	Stantons Pulsar	McCutchen	Super	Nat		87	+230	-1	190	92	+602	-0.01	-0.15	+0.09	+25	+7	+36	+92	+6	-14	76	+882	107	109	106	101	103	95	100	89	97	102	118	98	108				
CRV NL 878334760	A H Vitesse	Gravity	Jardin	Gnat 2n		88	+229	+10	17598	99	+1058	+0.17	+0.09	+0.03	+62	+46	+51	+334	+7	+51	95	+235	106	96	103	101	99	96	107	99	101	102	105	108	107				
CRV NL 948106260	Newhouse Skyfall	G-Force	Goldwyn	Gnat 2n		95	+229	-13	379	98	+982	+0.04	+0.20	-0.05	+46	+54	+40	+330	-2	+44	90	+348	97	105	98	107	96	96	106	96	103	105	104	106	107				
CRV NL 894608124	Willen's-Hoeve R Browning	Snowman	Ramos	Gnat		95	+229	-3	1590	98	+1495	-0.12	-0.18	+0.02	+51	+34	+70	+268	+3	-2	88	+354	107	101	105	100	102	98	105	99	107	106	110	104	110				
Tot NL 964580062	Dg Vekis Panther	Balisto	Número Uno	Nat		74	+229	-20	54	82	+31	+0.55	+0.34	+0.06	+50	+31	+7	+234	-21	+50	67	+727	107	103	105	100	104	98	101	78	96	98	108	99	102				
Mas DE 0356948488	Beastick	Balisto	Gold Chip	Gint		82	+229	+23	60	87	+887	-0.09	-0.01	+0.08	+29	+30	+48	+198	+24	-42	70	+736	109	102	104	105	103	102	103	83	100	102	111	103	108				
Alt US 66133528	Dinomi Altatyson	Badger-Bluff Fa	Shottle	Nat		80	+229	-1	42	84	+964	-0.16	-0.12	+0.13	+25	+22	+57	+160	+22	+19	79	+679	107	106	110	109	103	103	104	67	97	103	104	100	102				
Tot US 70354883	Farnear-Thr-Bh Cashmoney	CD Observer	Goldwyn	Nat		75	+229	-7	21	83	+801	-0.27	-0.08	+0.05	+8	+20	+41	+111	+17	-5	70	+723	109	108	104	108	101	100	103	78	100	104	111	100	106				
GGL NL 709809726	Topspeed Go Now	RF G-Force	Ralstom	Gint 2n		82	+228	-1	33	90	+1490	+0.05	+0.13	-0.05	+69	+65	+63	+430	+13	+3	74	+397	103	101	100	101	101	100	100	86	103	103	104	99	103				
Tot UK 181009401192	Roebridge Cookie Monster	Jabir	Supersonic	Nat		63	+227	+19	61	75	+1962	-0.42	-0.17	+0.00	+38	+50	+89	+312	+53	-50	54	+571	106	102	103	99	105	98	102	53	97	103	105	102	103				
CRV NL 871659217	Apina Nugget	Balisto	Levi	Gnat		87	+226	-7	436	92	+1701	-0.17	+0.08	+0.04	+55	+68	+82	+419	-3	-7	79	+502	104	100	101	107	101	103	99	94	99	102	103	99	101				
Sem US 71164339	Kellercrest Lancome	Epic	Man-O-Man	Nat		82	+226	+15	34	82	+1474	-0.12	+0.06	+0.07	+50	+58	+74	+365	+57	+14	80	+393	102	103	105	106	100	93	101	89	96	101	105	99	101				
Kam NL 717343458	Elagaster Salero	BY Cricket	Mascol	Gnat		91	+226	-9	285	96	+1337	-0.52	-0.09	+0.10	+4	+38	+71	+186	-7	+14	85	+871	104	106	103	107	100	105	102	89	101	99	102	102	102				
GGL UK 388380300287	Nugget	RF Número Uno	Destry	Gint		78	+226	+6	24	87	+1	+0.56	+0.07	+0.07	+49	+6	+6	+129	+12	+20	70	+678	107	108	103	103	101	104	106										

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. 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 Sire	MGS	S N	Rel NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Ten	MS	LW	Rel	F	T	U	B	Ext				
Melkdoel Zwart																		€										€									
																		Functioneel										Exterieur									
GGI DE 0357640595	Bagno	RF Balisto	Epic	Gint	77	+220	-11	33	85	+1091	-0.15	+0.03	+0.02	+32	+41	+52	+251	+10	+2	69	+619	104	105	103	104	105	102	101	82	97	101	112	97	104			
CRV DK 02371402716	Tirsrad Gala	Bube	Levi	Gnat	84	+220	-2	352	90	+1360	-0.27	-0.09	-0.07	+31	+38	+55	+237	+10	+53	75	+362	101	105	103	104	104	100	105	94	93	97	100	108	102			
Mas FR 1445852790	Bossanova	Bronco	Shottle	Gnat	83	+220	+8	50	90	+1124	-0.26	-0.09	+0.02	+22	+30	+53	+185	-12	-2	73	+743	107	104	100	102	103	96	104	81	100	102	106	102	105			
CRV NL 656548644	Caudumer Heraut	RF Snowrush	Kodak	Gnat	85	+220	+6	129	92	+955	-0.14	-0.12	+0.11	+27	+22	+54	+163	+11	+37	75	+611	108	104	97	102	102	101	106	88	93	101	109	102	104			
CRV NL 920083589	Midwolder Motivator	Paradise	Mascol	Gnat	86	+220	-50	138	92	+460	-0.06	-0.03	+0.07	+14	+13	+27	+91	-50	+20	76	+813	106	105	108	106	103	105	106	90	106	105	105	104	107			
CRV NL 545184940	Delta Reacher	Denim	Wonder	Gnat	86	+220	+14	146	93	+110	+0.16	+0.02	-0.01	+19	+6	+4	+66	+12	+5	75	+682	103	109	106	107	101	104	108	91	103	106	107	106	109			
CRV NL 661866289	Delta Heracles	Commander	Wonder	Gnat	85	+219	-13	438	90	+83	+0.56	+0.32	+0.00	+53	+31	+4	+240	-28	-4	75	+472	104	101	105	99	107	104	104	94	102	107	107	108	110			
WWS US 66451345	Ensenada Jeeves Paul	Jeeves	Shottle	Nat	89	+219	-13	153	93	+355	-0.09	-0.06	+0.03	+7	+7	+19	+49	-31	+19	83	+890	107	109	100	95	105	101	104	89	100	100	105	104	105			
Alt US 70541411	Dycecrest Altascyrest	Altacaliber	Regancrest-Hlhf	Nat	96	+218	+2	1682	99	+1643	-0.11	-0.18	+0.02	+58	+39	+77	+305	-2	-19	93	+373	105	104	99	103	102	104	104	95	105	108	107	100	106			
Sem US 142289925	Leaderwin Muscadet	Mogul	Jeeves	Nat	78	+218	-15	97	86	+788	+0.06	-0.02	-0.02	+39	+26	+34	+199	-10	+10	69	+535	105	104	106	103	108	108	83	102	102	115	102	110				
WWS US 69502423	Kerndtway Kingpin	McCutchen	Observer	Nat	80	+218	+11	54	88	+788	+0.09	-0.07	+0.05	+42	+21	+41	+187	+37	-75	71	+529	107	106	103	99	107	103	103	84	105	106	119	100	112			
Sam NL 661903733	Farmers Wish ExloEr Caruso	Malki	Ramos	Nat	68	+218	n	50	80	+606	-0.05	-0.02	-0.08	+21	+19	+20	+128	n	-3	68	+970	108	103	105	100	100	109	109	109	109	109	109	109	109			
CRV NL 842955270	Bacchus Elicanto	Picanto	Bookem	Gnat	81	+217	-16	89	89	+1413	-0.12	-0.12	+0.13	+48	+37	+78	+276	-5	+5	70	+265	108	100	102	108	102	96	100	86	98	104	114	105	110			
Sem US 71640112	L-L-M Dairy President	Numero Uno	Million	Nat	81	+217	+19	58	89	+1237	-0.21	-0.25	-0.03	+32	+18	+53	+157	+13	+14	74	+765	104	106	103	101	103	104	105	85	100	98	112	98	105			
Sem US 71592946	Ladys-Manor Olympian	RF Alchemy	Dorcy	Nat	82	+217	+4	51	89	+987	-0.43	-0.14	-0.04	+0	+21	+41	+98	+13	-51	74	+601	112	109	99	94	104	100	102	86	101	105	118	98	110			
CRV NL 739977109	Vds Metallic	Atlantic	Paranount	Gnat	95	+217	+19	520	98	+645	-0.41	-0.13	-0.02	-11	+10	+28	+26	+2	+7	90	+567	110	109	104	107	103	96	104	95	102	104	109	106	109			
Tot UK 388380300553	Willbro Ki Elclair	Lancome	Numero Uno	Gint	78	+216	-2	91	87	+1003	+0.04	-0.02	-0.01	+47	+33	+45	+248	+44	-20	67	+513	101	106	101	105	104	109	104	85	101	104	116	99	109			
Sem CA 107083965	Val-Bisson Dominic	Bookem	Shottle	Nat	86	+216	+5	172	93	+1199	-0.24	-0.12	+0.04	+27	+30	+59	+197	+11	-29	77	+638	110	103	108	99	102	87	100	88	106	105	111	98	107			
Tot NL 569274203	Caps Marbach	Jeeves	Goldwyn	Nat	87	+216	+1	127	94	+1656	-0.64	-0.32	+0.04	+4	+24	+80	+131	+11	-22	84	+943	105	106	103	99	100	100	105	77	101	105	103	102	104			
CRV NL 675268482	Delta Wisent	RF Whatsapp Rf	Atlantic	Gnat Gn	79	+216	-36	99	86	+916	-0.55	-0.04	-0.03	-14	+28	+45	+99	-66	-26	68	+688	107	105	106	99	104	101	106	86	102	104	112	104	110			
Tot CA 11696704	Stantons High Octane	McCutchen	Observer	Nat	83	+215	-22	95	88	+2245	-0.41	-0.37	+0.12	+50	+37	+116	+292	+0	-46	71	+416	106	101	101	97	106	104	102	83	103	105	121	99	112			
Kam NL 639677471	T Brook No Claim	Twist	Jorjyn	Gnat	83	+215	+13	139	90	+436	+0.51	+0.16	+0.04	+66	+30	+24	+269	+34	-13	74	+454	98	104	105	100	107	102	107	86	105	104	101	108	107			
WWS US 71974211	Clear-Echo Lelor Racer	Lelor	Observer	Nat	84	+215	-42	116	90	+973	-0.29	+0.02	-0.10	+13	+36	+35	+185	-7	-48	80	+444	106	104	105	108	106	101	106	85	101	104	113	104	110			
CRV NL 532128858	Caps Sunset	Diamond	Goldwyn	Gnat	98	+215	+5	3389	99	+261	-0.05	+0.02	+0.10	+7	+11	+21	+66	+6	+66	99	+719	107	108	105	101	106	102	106	99	94	98	110	97	102			
GGI DE 1602887847	Borussia	BY Butch	Ramos	Gnat	87	+214	-8	125	92	+838	+0.35	+0.25	-0.13	+69	+53	+26	+370	-16	+33	75	+201	102	105	103	107	97	100	98	85	92	99	101	100	98			
WWS NL 418232662	Alt Dakota	O Man	Durham	Nat	98	+214	+6	2508	99	+1671	-0.24	-0.03	+0.01	+46	+55	+77	+345	+0	-9	97	+339	102	104	97	106	89	96	104	99	99	105	100	102	102			
AWE US 3011816312	Co-Op Renegade	McCutchen	Atwood	Nat	78	+214	+8	39	80	+1189	+0.17	-0.08	+0.02	+68	+33	+56	+295	+1	+16	68	+83	100	105	108	101	103	106	100	75	98	101	116	103	110			
Tot DK 03372306015	Anderstrup Heavy	Massey	Snowman	Gnat	84	+214	+6	131	92	+1492	-0.10	-0.13	+0.04	+53	+39	+72	+293	+10	-9	74	+603	107	99	104	100	103	95	98	86	103	105	110	100	107			
CRV NL 656819588	Newhouse Vally	RF CD Sundance	G-Force	Gnat	77	+214	-10	19	85	+324	+0.36	+0.28	-0.03	+47	+37	+12	+254	-9	-37	69	+612	103	103	103	99	102	96	103	84	97	103	102	106	104			
Sem US 70801849	Coyne-Farms Jetset	Facebook	Badger-Bluff Fa	Nat	75	+214	-19	18	83	+960	+0.08	-0.08	-0.02	+49	+26	+42	+222	-13	-38	67	+562	103	107	103	102	108	101	106	78	101	104	104	105	106			
Sem CA 11491874	Gillette Speaker	Mogul	Planet	Nat	80	+214	-4	55	86	+1481	-0.38	-0.21	+0.02	+24	+30	+70	+194	+9	-6	71	+643	104	103	106	98	104	104	99	80	96	105	111	105	108			
Ves NL 932421854	Weggehorster Disclosure	Maik	Ramos	Nat	94	+214	-19	973	98	+559	+0.07	-0.13	-0.04	+30	+7	+22	+98	+3	-3	89	+650	108	110	110	106	93	97	103	94	98	101	102	98	100			
Ves IT 019500393890	New Farm Britt Prince	Britt	Mtoto	Nat	98	+214	-1	5066	99	+395	-0.03	-0.08	+0.05	+14	+6	+23	+61	-2	+66	99	+966	106	105	98	100	104	93	104	99	101	101	99	109	105			
Sam NL 966694187	Seto	RF PO Jacey	Snowman	Nat	75	+213	+27	77	84	+1676	-0.31	-0.03	+0.06	+39	+55	+83	+332	+27	-20	66	+562	106	102	101	104	106	100	101	75	100	105	105	96	101			
Gex US 71451889	Co-Op Mogul Lawman	Mogul	Man-O-Man	Int	85	+213	+1	20	90	+1034	+0.13	+0.12	+0.00	+57	+48	+47	+331	+24	+11	78	+322	100	101	104	103	106	106	101	86	97	104	112	104	108			
Tot NL 871871316	Tw Substarr	Supersire	Super	Nat	82	+213	+11	148	91	+1553	-0.10	-0.20	+0.09	+56	+34	+80	+281	+11	-28	71	+521	102	103	107	102	105	102	101	77	106	106	110	101	109			
Adv NL 872917712	Barnkamper Marilyn Oklaho	Altacok	Bookem	Gint	78	+213	-35	148	87	+1148	-0.08	-0.06	+0.06	+41																							

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. 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 Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCF	Ten	MS	LW	Rel	F	DS	U	F&L	T														
Melkdoel Zwart						Productie														€										Functioneel										Exterieur									
Tot	DE 0355937068	Famous	Fanatic	Beacon	Gnat	83	+206	-7	72	91	+1037	+0.01	+0.02	-0.03	+45	+38	+44	+264	+23	+53	73	+511	102	99	105	101	98	103	105	86	100	102	106	103	105														
Sem	KA 108109390	Blondin Integral	RF	Dymetholm S S	Shottle	79	+206	-7	94	88	+288	-0.46	-0.09	-0.05	+54	+2	+18	+127	+19	-48	69	+362	108	107	104	99	95	99	104	83	102	108	115	103	111														
Tot	NL 920911538	Willem's-Hoeve Riman		Dooman	Snowman	81	+205	+9	120	89	+1280	+0.23	-0.13	-0.06	+78	+32	+52	+311	+32	-38	72	+684	109	99	94	101	101	97	99	79	102	103	113	97	106														
Dek	DE 0538431070	Jalisto		Balisto	Epic	79	+205	+15	102	87	+706	+0.18	+0.21	+0.02	+47	+45	+34	+293	-12	-88	70	+516	102	103	105	101	104	105	103	83	104	105	108	102	107														
Tot	NL 920078554	Snowbiz Dg Capri		Supersire	Snowman	80	+205	+7	93	89	+1306	-0.09	-0.11	+0.02	+47	+34	+62	+257	+28	-28	71	+613	107	101	106	100	106	101	101	82	106	107	110	97	107														
CRV	NL 694776043	Midwolder Goldmar		Goldwyn	O Man	98	+205	+7	7791	99	+669	+0.24	+0.10	+0.12	+51	+33	+42	+255	-2	+8	96	+396	107	101	108	106	108	96	100	99	103	105	107	101	106														
Alt	US 3125982578	De-Su Altasuperstar		Hologen	Supersire	78	+205	+47	184	86	+1115	-0.03	-0.04	-0.21	+44	+35	+30	+245	+130	-47	68	+489	109	102	107	98	103	101	102	86	103	104	111	96	105														
GGI	NL 919516500	Barnkamper Epochal		Epic	Planet	88	+205	+11	96	94	+1699	-0.47	-0.33	+0.15	+23	+25	+93	+179	-1	-61	79	+927	104	98	103	103	102	105	90	104	105	111	108	112															
CRV	NL 710731346	Delta Jilbo		Bube	Gravity	85	+205	-2	422	91	-375	+0.77	+0.17	+0.00	+49	+1	-17	+102	+10	+40	77	+409	106	106	100	103	102	102	105	94	101	98	106	109	108														
Alt	US 70396874	Bush-Bros Altatgood		Roylane Socra R	Massey	84	+204	+11	37	91	+984	+0.22	+0.10	-0.01	+63	+44	+44	+326	+21	-4	76	+536	103	98	104	100	105	104	100	80	100	102	109	102	106														
Sam	NL 866039170	Vvh Bookmaker		Bookem	Maik	75	+204	n	76	83	+1732	-0.39	-0.13	+0.01	+33	+47	+80	+286	n	-43	68	+835	104	98	102	97	102	92	101	78	105	106	105	103	107														
AWE	DK 02371402372	Bangard		Bookem	Xacobeo	87	+204	+30	57	91	+1283	-0.17	-0.14	+0.01	+37	+31	+60	+223	+28	-8	74	+621	101	100	106	98	107	102	105	84	107	102	111	104	110														
Alt	US 59109587	Mr Furnace-Hill Altapita		Supersire	Man-O-Man	86	+203	-6	328	92	+1001	+0.24	+0.11	-0.12	+66	+46	+57	+344	+25	-4	75	+395	100	102	109	105	105	101	103	85	100	104	105	97	102														
Gex	US 71753166	River-Bridge Co-Op Troy		Mogul	Badger-Bluff Fa	81	+203	+0	27	84	+569	+0.00	+0.03	+0.09	+24	+23	+34	+155	-4	+10	71	+710	101	105	106	104	104	103	103	82	100	104	111	102	107														
Kam	NL 866463285	Ijster Helios		Massey	Jeeves	82	+203	-21	101	90	+1269	-0.48	-0.14	+0.01	+6	+30	+59	+153	-51	+31	73	+837	108	101	106	97	101	101	101	84	100	102	102	102	102														
Sem	US 69951907	Sully Hart Meridian		Ronelee Toystor	Planet	92	+202	-2	481	97	+2673	-0.70	-0.41	+0.09	+34	+46	+132	+300	-4	-8	85	+360	104	101	103	99	100	106	105	94	101	103	114	96	106														
Kam	NL 866755670	Kik Emotion		Impression	Jeeves	80	+202	+48	102	88	+940	-0.10	-0.19	+0.03	+30	+14	+46	+134	+55	+45	71	+968	105	101	103	98	105	101	102	84	99	104	107	102	105														
CRV	NL 583671310	Delta Anthony		Atlantic	Niagra	87	+202	+9	467	92	-828	-0.63	+0.43	+0.07	+15	+5	-32	+42	+1	-96	80	+597	111	107	112	105	101	91	105	95	105	106	106	105	108														
CRV	NL 921103345	Hedra Elite		Persuader	Man-O-Man	85	+201	+8	112	92	+712	+0.14	+0.04	+0.01	+17	+29	+33	+165	+37	+22	76	+228	105	107	104	102	99	95	101	90	100	102	105	107	107														
CRV	NL 766348705	Elagaster Hammer		Snowrush	Aswin	85	+200	-26	117	92	+1317	+0.01	+0.02	-0.03	+57	+48	+57	+334	-22	-12	75	+558	104	99	97	98	95	103	101	88	102	102	106	101	105														
Alt	US 72667540	Aardema Altaaces		Supersire	Sherac	81	+200	-21	224	89	+997	+0.01	+0.06	+0.09	+43	+41	+54	+275	-24	-13	72	+657	101	104	103	103	102	103	102	83	103	104	104	98	103														
US 72436793	Edg Lillico Mogul 8246			Mogul	Snowman	72	+200	+7	55	81	+359	+0.26	+0.14	+0.00	+39	+25	+16	+189	-27	+1	71	+541	104	103	104	102	105	103		77	101	104	116	102	110														
Alt	NL 762041886	Schreur Altacsal P Rf	RF	Supersire	Lawn Boy Red	80	+199	+12	111	88	+1675	-0.34	-0.17	+0.17	+36	+41	+94	+272	+26	-14	72	+657	106	103	105	96	107	100	97	85	103	105	110	93	103														
Alt	NL 880372082	Southland Altadelcampo		Gold Chip	Man-O-Man	74	+199	+9	21	90	+546	+0.43	+0.01	-0.01	+63	+20	+24	+222	-4	+17	65	+485	107	101	107	100	102	102	101	57	96	100	115	96	105														
Alt	US 3125475825	Peak Alata28		Camaro	Roylane Socra R	79	+199	-26	256	86	+798	-0.16	-0.07	+0.06	+19	+21	+42	+139	-33	-49	70	+848	100	105	105	96	104	111	106	85	104	107	109	104	109														
GGI	NL 924308114	Gedwind	RF	Gold Chip	Sanchez	83	+199	+0	43	89	+696	-0.07	-0.34	-0.06	+23	-8	+26	+23	+0	-54	73	+805	105	104	102	99	105	99	107	83	103	103	119	109	116														
OBS	DE 0537638043	Succes		Sunday	Xacobeo	82	+198	+2	56	90	+2240	-0.38	-0.26	+0.01	+53	+50	+103	+347	-31	+14	71	+337	102	97	101	100	101	101	107	82	102	102	106	102	105														
GGI	DE 0769509874	Maximum		Man-O-Man	Laudan	81	+198	+4	28	85	+1204	-0.21	-0.04	+0.02	+30	+38	+57	+236	+0	+64	73	+265	102	109	103	112	100	102	100	78	92	94	104	97	97														
Mas	NL 737148633	Torenzicht Julianos		Bookem	Regancrest-Hhff	86	+198	-1	110	92	+358	+0.26	+0.17	+0.08	+39	+28	+24	+204	-1	+14	75	+364	105	107	107	102	104	97	96	86	99	106	106	101	104														
Sem	US 72860352	View-Home Utah		Dooman	Roylane Socra R	83	+198	-5	155	87	+1218	-0.37	-0.07	+0.03	+15	+35	+59	+193	+6	-2	71	+736	104	103	105	104	102	99	103	85	101	101	108	98	104														
CRV	US 3014466165	Peak Jerod Abel		Jerod	Mogul	85	+198	-17	321	91	-387	-0.73	+0.29	-0.03	+45	+11	-20	+134	+2	-17	74	+270	107	107	103	102	103	93	105	95	101	105	109	104	108														
US 3126779961	Peak Altamoreno			Co-Op Upd Hunt	Mogul	76	+197	+9	119	82	+1920	-0.11	-0.09	+0.08	+70	+57	+96	+410	+11	+4	65	+340	100	98	104	101	100	93	99	79	101	104	113	97	106														
CRV	NL 610971152	Horst Allard	RF	Hunter	Fidelity	91	+197	-27	214	96	+440	+0.30	+0.41	+0.00	+46	+53	+20	+320	-4	-2	85	+145	99	102	100	97	107	98	101	93	100	104	108	109	110														
Alt	NL 767081320	Keepon Altacornell		Supersire	Man-O-Man	79	+197	+0	85	85	+1384	-0.05	-0.12	+0.02	+54	+36	+65	+281	-29	+31	67	+525	103	101	107	100	107	99	101	71	96	101	108	96	101														
Sem	CA 11595003	Claynook Deductive		Numero Uno	Planet	81	+197	+25	41	81	+1112	-0.08	-0.11	+0.06	+39	+28	+57	+214	+56	+36	79	+675	104	102	97	101	105	103	104	88	93	102																	

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. 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 Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Ten	MS	LW	Rel	F	DS	U	F&L	T						
Melkdoel Zwart																				€	€	Functioneel										Exterieur									
SZO	IT 018990120740	Cabri End-Stor.Valter	RF	O-Man	Story	Talent	Int	71	+190	+38	20	85	+1186	+0.21	+0.04	+0.00	+71	+45	+54	+350	+39	+43	60	+382	105	101	100	99	102	101	67	95	102	97	96	95					
Sem	CA 10847042	Marbri Facebook		Man-O-Man	Airmaid	Int	90	+190	+19	54	94	+1348	+0.16	-0.05	+0.00	+74	+42	+61	+346	+11	+0	82	+172	100	107	94	102	101	100	103	92	95	101	104	97	99					
Sam	NL 492204847	Broeks Snow Wave		Snowman	Shottle	Nat	92	+190	+0	338	97	+1602	-0.25	-0.14	+0.07	+42	+41	+80	+280	+13	+44	88	+488	102	100	96	100	103	102	104	90	101	100	107	101	105					
Mas	NL 546483691	Poppe Snow	RF	Snowman	Spencer	Gnat	93	+189	-9	733	97	+2021	-0.27	-0.12	+0.02	+57	+57	+94	+382	-6	+25	87	+203	101	96	103	103	92	104	99	95	103	105	112	103	110					
CRV	NL 543201038	Delta Enigma		Bertil	O Man	Gnat	97	+189	+9	3115	99	+967	+0.03	+0.12	+0.01	+44	+45	+45	+290	+4	+37	94	+142	102	105	103	97	101	103	103	99	106	105	101	104	105					
CRV	NL 947608400	Batenburg G. Mandela	RF	Maik	Fidelity	Gnat	90	+189	+4	754	94	+646	-0.02	+0.06	-0.04	+26	+28	+26	+177	+4	-51	82	+462	103	106	100	100	104	102	100	95	98	103	107	108	108					
CRV	BE 612094246	Delta Frodo		Danno	Trigger	Gnat	86	+189	-41	367	92	+431	+0.05	+0.10	-0.03	+23	+24	+17	+152	-15	-84	78	+437	104	104	110	99	102	102	102	94	101	106	109	108	110					
WWS	CA 11596146	Stantons Main Event		Mogul	Super	Nat	77	+189	-23	38	85	+684	-0.09	-0.18	+0.06	+21	+7	+37	+84	+10	-8	71	+794	103	105	104	102	104	107	101	82	98	105	115	103	110					
OBS	DE 0355600702	Movie		Mogul	Snowman	Gint	82	+188	-4	44	88	+971	-0.04	-0.10	+0.03	+37	+24	+47	+190	-23	-3	71	+435	103	99	103	99	103	110	104	81	105	106	117	106	115					
Sem	CA 11438396	Silverridge Album		Epic	Man-O-Man	Nat	2n	88	+188	-11	104	93	+778	-0.16	+0.02	+0.14	+18	+29	+49	+171	-10	-34	77	+424	107	104	108	106	101	95	103	87	102	105	109	99	106				
WWS	US 71303599	Le-O-La Mogul Gambler		Mogul	Atwood	Int	82	+188	-4	22	89	+1246	-0.30	-0.24	-0.01	+23	+19	+56	+143	+2	+5	67	+504	105	101	104	102	104	105	104	84	94	103	117	103	109					
Tot	NL 760058149	Koning Shearman		Supersire	Super	Nat	71	+188	-13	49	81	+546	-0.26	-0.06	+0.12	-1	+13	+36	+62	+2	-4	63	+521	107	108	106	103	106	99	103	67	101	102	113	99	107					
Tot	DE 0354891684	Select		Snowman	Planet	Gnat	89	+187	-11	164	95	+911	-0.03	+0.02	+0.06	+36	+34	+47	+229	-7	-2	81	+464	106	102	96	98	101	95	102	89	100	104	105	103	105					
WWS	US 3004269577	B-Ilddenhills Plan 1023		Planet	O Man	Nat	85	+187	-12	38	90	+1106	-0.35	-0.15	+0.08	+12	+24	+58	+141	+17	-1	78	+569	106	108	97	104	101	103	99	88	96	103	110	99	104					
Alt	US 58912079	Melarry Altaflex		Altasuplex	Roylane Socra R	Int	83	+187	+4	33	91	+798	-0.26	-0.13	+0.00	+9	+15	+36	+91	-3	-3	74	+672	105	109	108	101	105	101		83	99	102	106	98	102					
Tot	DK 03001001754	Hood M-O-M Emmet		Man-O-Man	Altabaxter	Gnat	97	+187	+8	1782	99	+360	-0.12	+0.05	+0.08	+4	+17	+24	+85	+13	-17	95	+854	103	106	100	104	106	102	105	98	104	102	109	102	107					
Sem	BE 111966423	Dukefarm K&I Balthazar		Balisto	Epic	Nat	84	+186	-23	280	90	+343	+0.52	+0.42	+0.06	+62	+50	+21	+342	+18	-15	75	+386	102	99	97	102	103	101	101	91	104	106	110	101	108					
ABS	US 142659407	Matcrest Griller		Supersire	Gold Chip	Nat	81	+186	+14	155	87	+1114	-0.18	-0.02	-0.05	+30	+37	+46	+229	+52	-34	70	+531	103	103	105	99	104	100	102	80	104	106	111	98	107					
Adv	NL 947618726	Barnkamper Marilyn Dougl		Dooman	Dempsey	Gnat	84	+186	-3	212	91	+1135	-0.33	-0.05	+0.04	+16	+35	+56	+194	+18	-64	74	+571	107	102	97	95	103	97	100	90	105	105	119	101	113					
Tot	NL 920911677	Willem's-Hoeve W H Baily Ch		Mcutchten	Atwood	Gint	76	+186	+0	19	84	+614	+0.30	-0.08	+0.06	+54	+14	+34	+181	+5	-24	68	+398	101	103	102	98	105	103	103	81	99	105	121	104	114					
Gez	US 70372014	Sully Hartford Swmn Myth		Snowman	Planet	Int	86	+185	+16	40	91	+2678	-0.79	-0.32	+0.00	+23	+57	+122	+319	+1	+14	79	+456	99	99	106	101	103	105	102	87	99	101	107	100	104					
Ves	IT 019991001383	Royal Idevra Danubio		Ecoyne Isy	Mascol	Nat	83	+185	+10	185	91	+1376	-0.22	-0.03	+0.06	+36	+45	+69	+281	+26	-1	73	+411	104	101	102	101	101	98	103	78	105	106	98	102	102					
CRV	NL 920744181	De Volmer Brasil	RF	Balisto	Snowman	Gnat	91	+185	-22	2233	94	+50	+0.63	+0.32	-0.04	+58	+30	-1	+245	-27	-15	83	+411	105	101	100	100	105	101	99	99	105	106	113	102	110					
Mas	DE 0356342903	Goaway		Gold Chip	Man-O-Man	Gint	85	+185	-3	42	88	+2315	-0.66	-0.48	-0.12	+25	+28	+92	+195	+9	-49	81	+470	103	103	106	104	104	101	103	79	100	103	112	102	108					
Alt	US 71792974	Da-So-Burn Altaburner		Supersire	Dorey	Nat	83	+185	-31	228	90	+81	+0.47	+0.10	+0.09	+45	+12	+12	+147	-6	-10	74	+875	106	99	101	104	104	95	103	85	98	103	110	101	106					
Tot	FR 2832013846	Fexter Cap		Super	Altahaxter	Gnat	2n	86	+184	-6	82	92	+847	-0.10	-0.22	-0.01	+26	-8	+38	+99	+7	+21	74	+688	106	103	103	99	102	99	102	85	98	100	113	101	107				
K&L	SE 783048825	Vh Mascol Tubbetorp Mando		Mascol	Novalis	Nat	88	+184	+5	116	92	-240	+0.27	+0.13	-0.04	+13	+3	-14	+35	+10	+76	82	+558	107	108	99	107	96	94	105	82	92	91	99	104	98					
WWS	US 71592934	Lady's-Manor Shakespeare		Epic	Shottle	Nat	2n	79	+183	-1	38	81	+1212	-0.02	-0.10	+0.02	+50	+32	+57	+253	-3	-38	78	+414	104	102	104	98	104	101	101	77	103	104	113	98	107				
Gez	US 69774730	Minnigan-Hills Day		Super	Bolton	Nat	79	+183	-2	31	86	+1515	-0.33	-0.20	-0.01	+31	+32	+68	+217	+21	+14	73	+446	105	101	103	98	98	99	104	81	97	98	110	98	103					
Ves	IT 024990369520	D Mason Berico		D Mason	Goldwyn	Nat	79	+183	-39	64	88	+937	-0.08	-0.04	+0.00	+32	+29	+43	+199	+47	-23	71	+441	105	105	103	100	101	95	99	79	100	104	105	102	104					
Tot	NL 760058505	Shean		Supersire	Super	Gnat	79	+183	+1	63	88	+1335	-0.36	-0.18	+0.09	+20	+28	+70	+178	+25	-38	71	+542	107	104	105	98	104	97	99	81	105	106	09	99	107					
Kam	NL 924169340	Big Position		Twist	Jorlyn	Gnat	90	+183	+30	388	95	-269	+0.68	+0.31	-0.07	+46	+17	-18	+161	+35	-37	82	+403	103	105	105	97	105	96	105	91	102	107	105	105	107					
Mas	NL 917110122	Willem's-Hoeve Naxxos		Número Uno	Goldwyn	Gint	81	+183	-31	27	87	+341	+0.18	+0.05	+0.02	+31	+16	+17	+136	-63	-0	73	+484	105	104	99	98	101	103	104	82	97	102	114	102	108					
CRV	BE 110963815	Lowlands El Salvador		Stemgold	Ramos	Gnat	98	+183	-7	2127	99	-289	+0.32	+0.15	+0.10	+15	+3	-5	+42	+4	-19	95	+424	106	110	104	99	101	104	102	99	98	103	106	106	106					
CRV	NL 696227132	Delta Bonaparte		Bonanza	Shottle	Gnat	93	+182	+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. 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	D	U	B	Ext				
Ai Bull number	Bull name	Her Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Ten	MS	LW	Rel	F	T	U	F&L	T				
Melkdoel Zwart										Productie										€										Functioneel									
Adv DK 03372306003	Andersstrup Masven	Massey	Snowman	Gnat		79	+176	+17	43	87	+982	-0.16	-0.08	+0.00	+26	+26	+45	+175	-4	+8	70	+590	107	99	103	96	104	100	100	83	98	102	110	102	106				
Tot CA 9608054	Boldi V S G Anton	Epic	Man-O-Man	Nat		77	+176	-4	24	85	+1133	-0.26	-0.16	+0.09	+22	+24	+61	+163	+0	-53	70	+555	103	104	103	105	105	106	102	80	101	106	114	101	109				
CRV NL 758220349	Delta Behave	Fever	Cricknet	Gnat		89	+176	+39	419	94	+304	+0.11	-0.01	-0.10	+23	+10	+5	+91	+61	+13	80	+452	105	106	102	102	108	103	103	95	95	98	113	101	106				
GGL NL 425598456	Leko	Laudan	Jocko	Nat		97	+176	+18	2351	99	+766	+0.43	-0.10	-0.07	-8	+17	+28	+61	+6	+8	95	+747	104	103	107	101	99	99	106	97	99	102	99	107	103				
K&L DK 04165404818	Vh Bynke	Bismark	Ramos	Gint		82	+175	-12	15	85	+459	-0.17	-0.03	-0.01	+4	+13	+20	+68	+4	+23	69	+507	104	107	106	101	103	104	103	78	96	101	105	103	103				
Alt US 3126822803	Peak Altar8	Camaro	Mogul	Nat		69	+175	+40	73	79	-74	+0.14	-0.06	+0.13	+9	-8	+8	-12	+108	-40	61	+793	105	106	106	102	97	99	103	66	100	106	115	105	112				
CRV NL 520287673	Aurora Jeroen	Bertil	O Man	Gnat		98	+174	+1	5926	99	+738	+0.28	+0.20	-0.06	+58	+45	+28	+315	+5	-14	95	+193	106	100	91	102	96	90	102	99	99	107	103	105	105				
Alt CA 107293708	Cepacquette Altaray	Altaiota	Bolton	Nat	2p	87	+174	-1	192	94	+1753	-0.20	-0.27	+0.13	+34	+33	+94	+377	+0	-23	78	+242	102	102	102	97	104	103	103	83	106	105	111	99	108				
ABS US 68771366	Gold-N-Oaks Althea	BY Badger-Bluff Fa	Ramos	Int		79	+174	+7	57	87	+1253	-0.23	-0.15	+0.00	+30	+29	+57	+199	+3	-50	75	+195	104	104	105	101	102	103	103	75	101	104	108	104	107				
CRV BE 312047566	Merwehoeve Drive	Snowrush	Planet	Gnat		88	+174	-14	343	93	+998	-0.04	-0.16	-0.03	+39	+19	+43	+173	+17	+17	78	+368	105	103	103	102	99	99	100	94	95	98	111	101	105				
CRV NL 865198975	Delta Mirror	RF Perfect Aiko	Camion Cd	Gnat		79	+174	-20	29	87	-71	+0.57	+0.24	-0.01	+47	+18	-4	+171	-2	+43	70	+228	104	101	98	101	101	104	108	85	101	103	107	106	108				
CRV NL 668819103	Barnkamper Vendetta	Cupido	Highlight	Gnat		85	+174	-2	151	92	+539	+0.12	-0.03	-0.01	+34	+16	+24	+144	-7	+22	76	+469	107	104	100	102	100	105	100	91	101	101	111	99	106				
Ves IT 034990462594	Spinal Prince Milito	Prince	O Man	Int		85	+174	+15	153	92	+610	-0.04	-0.07	-0.01	+22	+15	+27	+116	+2	-10	75	+682	104	104	98	105	105	102	105	82	99	103	100	106	103				
Alt US 71494657	Mr Moviestar Mardi Gras	Mogul	Planet	Nat		86	+174	+20	122	93	+133	-0.30	+0.03	-0.17	+32	-7	+21	+102	+0	-1	78	+590	100	107	104	102	108	105	102	90	103	105	116	100	110				
CRV US 70803531	Appealing H Copernicus	Shema Jeeves Ca	Dolce	Gint		76	+174	+12	18	84	+1679	-0.83	-0.45	+0.05	-15	+12	+82	+42	+1	-16	66	+792	107	107	104	100	104	97	101	78	106	106	110	98	107				
CRV NL 549685151	Koepon Stimulus	Sundance	Snowman	Gnat		85	+173	-6	303	91	+1369	+0.00	-0.17	-0.02	+58	+30	+60	+263	+23	-53	75	+715	103	99	103	101	104	103	103	93	105	108	101	100	103				
WWS US 3004373269	Ronelec Gold Denali	Goldwyn	Outside	Nat		90	+173	+15	186	94	+1270	-0.31	-0.18	+0.06	+23	+26	+64	+174	+27	-62	85	+383	107	103	105	99	96	100	107	91	101	105	106	99	104				
K&L DK 000000255962	Vh Boogie	Bookem	Man-O-Man	Gnat		87	+173	+4	91	91	+256	-0.08	+0.21	+0.16	+4	+28	+26	+131	+8	-106	74	+369	104	106	107	102	100	95	103	88	103	107	113	104	111				
Sam NL 384739291	Ponsstar Shogun	O Man	Jesther	Nat		98	+173	+6	9884	99	+232	-0.25	-0.13	+0.10	+15	+20	+52	+129	-2	-23	99	+789	109	105	100	107	105	96	103	99	105	104	98	96	99				
Alt US 69169948	Pinecrest Alaskoda	Niagm	Planet	Nat		87	+173	-15	206	93	+896	-0.26	-0.16	+0.08	-13	+16	+49	+108	-7	-23	77	+510	108	104	99	99	98	95	102	75	100	103	114	101	108				
Alt US 62959880	Beyercrest Altareliant	Ramos	Mtoto	Nat		97	+173	+1	3764	99	+122	+0.25	+0.08	-0.01	+27	+11	+5	+103	-7	+34	97	+401	106	107	106	99	99	98	104	99	95	97	101	99	98				
CRV NL 926913220	Alex Reason	Atlantic	Planet	Gnat		89	+173	-9	405	94	-99	+0.08	+0.22	+0.12	+3	+16	+6	+74	+20	-26	81	+440	104	106	100	105	102	101	106	95	101	107	103	110	108				
Alt US 3010086674	Kp-Ack Altamurdock	Mogul	Altameteor	Nat		82	+173	+15	81	86	+773	-0.19	-0.25	+0.10	+15	+3	+45	+57	+13	-7	69	+488	108	103	106	100	104	105	101	75	96	104	116	103	109				
Dek FR 2215667193	Ganache	Planet	Altaiota	Gint		84	+172	+2	37	92	+1140	-0.17	-0.10	+0.17	+32	+30	+69	+211	+12	-5	76	+235	102	105	104	102	102	102	100	84	104	104	106	103	107				
ABS US 55642061	Schillview Jeeves Geldon	Jeeves	Boliver	Nat		92	+172	+21	431	96	+444	-0.10	-0.12	+0.05	+10	+4	+25	+45	+39	+13	85	+757	106	106	105	98	103	94	101	91	102	100	103	102	103				
Alt US 3006559787	No-Fla Altaevrglade	Massey	O Man	Nat		92	+171	-11	1874	96	+299	+0.42	+0.23	+0.04	+51	+31	+17	+239	+0	-23	84	+189	105	104	109	103	104	99	99	95	101	107	100	101	102				
Sam NL 394346135	Zaemslach Juno	O Man	Addison	Nat		97	+171	+6	2061	99	+609	+0.18	+0.07	+0.17	+43	+28	+44	+218	+0	+7	95	+4471	103	104	101	103	95	95	104	97	103	105	100	98	101				
Alt US 66618935	Ammon-Peachey Altaceleb	Planet	Shottle	Nat		89	+171	+18	123	93	+1338	-0.28	-0.27	+0.02	+29	+19	+63	+158	+3	-31	84	+671	103	101	102	95	102	95	103	85	102	104	106	105	107				
Sem CA 104854291	Gen-I-Beg Brawler	Altabaxter	Shottle	Nat		98	+171	+17	5933	99	+581	-0.08	+0.02	+0.05	+17	+22	+31	+135	+6	-13	97	+620	103	105	106	98	107	101	98	99	103	104	109	101	107				
CRV NL 644363725	Big Spell	Bertil	Ramos	Gnat		97	+171	+5	2958	99	-198	+0.52	+0.22	-0.09	+36	+12	-17	+120	+5	-11	94	+362	108	104	96	102	98	100	102	99	96	105	112	104	108				
CRV NL 949247382	Flevo Genetics Whatsapp	RF Superstie	Super	Gnat		92	+171	-4	385	96	-585	+0.30	+0.15	+0.01	+0	-8	-26	-41	+20	-4	83	+725	104	109	106	110	107	102	107	95	94	102	114	100	106				
Alt US 70358050	Sandy-Valley Altasilver	Altaiota	Planet	Nat		93	+170	+2	525	97	+1383	-0.11	-0.15	+0.15	+48	+33	+78	+260	-8	-16	86	+274	97	106	108	99	102	105	99	93	104	104	105	101	105				
Kam NL 519550898	Heuvel Suarez	O Man	Cello	Gnat		98	+170	+2	5973	99	-626	+0.55	+0.35	+0.04	+18	+7	-25	+59	+6	-7	99	+336	102	110	100	108	101	99	108	99	95	104	105	105	104				
Sam NL 840511931	Uenk Mexx	RF Maik	O Man	Nat		80	+170	-2	102	88	+221	-0.43	-0.18	-0.08	-6	+11	+45	+46	+17	-23	72	+853	109	102	100	102	100	92	102	79	100	103	108	104	107				
Toe NL 722821589	Ilbe Snowman Justin	Snowman	Shottle	Nat		81	+169	+25	76	88	+1660	-0.21	-0.23	+0.00	+49	+34	+76	+265	+13	-28	73	+686	107	97	92	97	101	95	101	86	103	105	105	101	105				
Alt DE 0535571756	Alta Cesar	Planet	Shottle	Nat		97	+169	+1	5537	99	+587	+0.15	+0.10	+0.01	+39	+30	+28	+213	+11	-62	95	+353	103	107	101	98	106	98	93	99	104	105	106	105	108				
WWS US 68988032	Lady's-Manor Rd Grafeeti	CD Badger-Bluff Fa	Goldwyn	Int		88	+169	+0	50	92	+525	+0.34	+0.03	-0.01	+54	+21	+23	+206	+0	+60	81	+179	102	100	104	100	102	106	102	92	100	103	110	105	108				
Tot FR 1445852638	Elioz Dkr	Windy Knoll Vic	Goldwyn	Nat		73	+169	-5	22	81	+1755	-0.61	-0.24	-0.08	+10	+36	+72	+190	+6	+1	69	+462	107	101	97	103	95	98	99	72	101	99	110	102	107				
GGL DE 0538269227	Anamur	Anton	Bogart	Gint		79	+169	+8	28	83	+805	-0.31	-0.17	+0.06	+5	+12	+42	+72	-3	-66	66	+606	107	106	98	101	104	99	104	77	105	109	114	101	111				
Tot NL 874602904	Dg Myrachip	Gold Chip	Jet Stream-Et	Nat		70	+169	-8	36	80	+792	-0.03	-0.31</																										

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

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Ki Stiernummer	Stiernaam	Erf. Vader	M-vader	B	N	Bt	NV1	+/-	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 Sire	MGS	S	N	Rel	NV1	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Ten	MS	LW	Rel	F	DS	U	F&L	T				
Melkdoel Zwart										Productie										€										Functioneel									
										pnt										€										Exterieur									
Kam	NL 549852801	Heuvel Lukolki	Maik	Paramount	Gnat	93	+163	-17	642	97	+420	-0.19	+0.07	-0.08	+0	+21	+12	+90	+23	-49	86	+564	102	107	102	99	105	105	100	94	101	105	110	105	109	109			
K&L	SE 0106527083	Vh Ersmark Sterngold Sprite	Stemgold	Rakuuna	Gnat	86	+163	-7	40	89	+101	-0.07	-0.03	+0.12	-2	+1	+15	+4	+19	-22	81	+554	107	106	103	106	102	102	103	84	92	99	109	106	105	105			
CRV	NL 531840038	Delta Vitality	HY Gibor	Ramos	Gnat	98	+162	+17	6159	99	+984	-0.17	-0.03	-0.04	+25	+31	+41	+192	+7	+17	95	+301	104	101	104	105	100	100	100	99	101	105	104	105	106	106			
Toe	NL 876752441	Wi-Li-Jo Platinum Px4	Platinum	Gold Chip	Nat	62	+162	n	43	71	+657	-0.03	-0.07	+0.04	+25	+16	+34	+128	n	-70	56	+588	107	101	104	99	103	93	101	62	102	106	109	104	108	108			
ABS	IT 019990607544	Go-Farm Zeher	Jeeves	Goldwyn	Nat	88	+162	-10	168	92	+519	+0.04	-0.10	+0.09	+26	+9	+32	+101	+0	-5	81	+434	106	106	98	94	103	103	100	83	101	103	108	103	107	107			
Alt	US 61898306	Regancrest Altaiota	O Man	Ito	Nat	98	+161	-2	13489	99	+1001	-0.03	-0.07	+0.21	+40	+28	+66	+219	-2	-17	99	+37	100	107	106	102	100	104	102	99	104	106	106	101	106	106			
WWS	US 65991392	Lo-O-Rok Jeeves Deuce	Jeeves	Goldwyn	Nat	88	+161	+14	116	93	+393	-0.12	-0.16	+0.06	+6	-1	+23	+15	+17	-21	82	+682	103	109	102	98	99	97	106	88	103	104	100	104	104	104			
WWS	US 68571374	Mr Apples Armani	RF CD Goldwyn	Regiment	Nat	88	+161	+18	110	91	-1165	+1.12	+0.38	-0.06	+36	-12	-58	+9	+4	+42	84	+113	106	106	105	103	104	101	105	88	94	100	116	106	110	110			
Sem	US 70358061	Sandy-Valley Saloon	Altaiota	Planet	Nat	86	+160	-13	133	92	+1804	-0.21	-0.11	-0.05	+55	+51	+77	+348	-20	-41	78	-18	98	104	103	98	100	105	100	84	100	105	108	99	104	104			
Xs	NL 592179328	Koepon Sakum	Snowman	Super	Gnat	83	+160	-29	63	88	+1886	-0.41	-0.32	-0.02	+37	+32	+84	+234	-47	-53	74	+529	105	99	100	96	103	99	99	82	105	105	114	99	109	109			
Sem	US 70358185	Sandy-Valley Chipper-P	RF PO Colt P	Planet	Nat	79	+160	+0	42	87	+1261	-0.55	-0.21	+0.11	-2	+23	+69	+111	+27	+44	72	+547	105	106	103	101	105	102	98	80	91	95	114	93	100	100			
Mas	DE 0356223753	Filou Rdc	RF Fanatic	Elbum	Gnat	86	+160	+14	142	93	+797	-0.39	-0.05	+0.09	-3	+23	+45	+102	-7	-47	76	+521	101	106	107	99	104	105	103	91	107	108	110	102	110	110			
CRV	NL 968458244	Apina Stg	Stellando RF	Glofast Cd	Gnat	95	+160	-9	2603	97	-34	+0.33	+0.14	-0.13	+27	+11	-13	+98	+7	+16	88	+197	104	106	101	103	103	102	108	99	99	103	98	107	103	103			
CRV	NL 757607680	Delta Jar	Sherlock RF	Snowman	Gnat	85	+160	+23	114	92	+832	-0.47	-0.19	-0.08	-10	+11	+46	+38	+33	-29	75	+371	107	103	105	97	105	101	104	89	103	105	106	111	111	111	111		
Sem	US 70672880	Chartroise Smurf	Snowman	Planet	Nat	85	+159	+10	131	88	+2289	-0.43	-0.22	+0.01	+50	+56	+105	+366	+52	-35	80	+252	104	92	98	98	99	96	100	85	104	108	112	104	111	111			
Adv	NL 761402145	Kira Baku	Brawler	Snowman	Gint	77	+159	-23	24	85	+1731	-0.34	-0.15	-0.06	+38	+45	+73	+286	+2	-70	69	+467	103	99	102	92	102	95	99	81	108	106	106	101	107	107			
Alt	US 57187059	Larcerst Altanowcrest	Snowman	Shottle	Nat	81	+159	+24	39	82	+1257	-0.02	-0.11	+0.08	+51	+33	+65	+262	+66	-42	80	+380	105	102	102	99	102	96	99	83	102	106	108	95	103	103			
Sem	US 71699265	Vieuxsaule Flame	Numero Uno	Badger-Bluff Fa	Nat	76	+159	+40	42	84	+63	+0.70	+0.18	+0.04	+65	+18	+6	+212	+101	-36	69	+383	103	105	105	98	104	100	101	80	103	104	107	95	103	103			
Alt	US 67681058	Dir-Road Alchatter	Epic	Man-O-Man	Nat	86	+159	+4	160	90	+1204	-0.25	-0.11	+0.05	+26	+31	+60	+200	+18	-23	74	+443	104	102	101	102	103	99	99	79	101	104	112	99	107	107			
Ves	NL 887310414	Topspeed Raglan	RF Maik	Stadel	Nat	85	+159	-11	277	91	+636	+0.05	+0.02	+0.02	+32	+24	+31	+175	+12	-4	78	+600	103	105	97	102	102	97	100	87	99	104	101	100	101	101			
GGI	NL 867560215	Rieten Emagon	Epic	Bogart	Gint	81	+159	-2	26	87	+1298	-0.35	-0.26	-0.08	+20	+19	+67	+140	+0	-78	73	+475	103	106	103	101	101	103	104	81	104	104	110	99	107	107			
CRV	NL 523359223	Delta Bombay	Jardin	Shottle	Gnat	97	+159	+27	3903	99	+239	-0.11	+0.09	-0.03	+0	+16	+8	+68	+27	-19	94	+301	102	105	105	101	107	99	107	99	100	101	106	109	108	108			
GGI	DE 0354271877	Lomac	Lonar	Regancrest-Hhf	Nat	81	+159	+18	68	90	+185	-0.11	+0.03	-0.03	-2	+9	+6	+35	+17	+23	73	+373	107	108	101	102	98	96	105	74	93	96	108	99	101	101			
OBS	DE 0357565192	Alban	Album	Beau	Gint	75	+158	-18	20	82	+96	-0.16	+0.02	+0.12	+25	+35	+56	+213	-6	-67	63	+316	104	105	105	104	103	102	100	79	106	106	110	96	106	106			
GGI	DK 03870002890	Lacomy P	RF PO Lanon P	Jeeves	Gnat	84	+158	+19	50	91	+548	+0.39	+0.22	+0.08	+9	-1	-18	+9	+30	-20	75	+849	107	105	102	94	97	94	103	86	98	102	105	99	102	102			
Tot	DE 0355036581	Benson	Bg	Ramos	Gint	77	+157	+10	19	84	+150	+0.41	+0.22	-0.03	+43	+25	+4	+194	+17	+60	70	+545	103	96	105	99	103	103	103	78	95	97	107	101	102	102			
Sem	US 73191154	Regancrest Milford-P	PO Style P	Snowman	Nat	75	+157	-24	54	84	+937	-0.09	-0.08	-0.05	+31	+25	+38	+179	+0	+21	65	+377	104	100	102	105	96	97	103	83	102	99	111	100	106	106			
Alt	US 66011447	Sully Altameter	Planet	Shottle	Nat	97	+157	-7	2541	99	+1291	-0.47	-0.26	+0.05	+8	+19	+64	+114	+4	+5	96	+387	104	104	106	102	104	104	103	99	96	102	113	98	105	105			
K&L	DK 04780602573	Vh Onside Osmus	Dansire Officer	Exces	Int	81	+156	+21	26	88	+488	-0.07	+0.06	+0.00	+14	+23	+22	+130	+19	+69	68	+552	103	105	104	107	101	96	82	87	96	103	96	95	95	95			
ABS	US 53766387	Larcerst Custom	Langs-Twin-B Di	Shottle	Nat	81	+156	-2	35	83	+1106	-0.28	-0.41	+0.14	+19	-2	+64	+51	+5	-31	80	+637	113	105	104	103	105	97	97	78	101	103	106	97	102	102			
Sem	NL 969096292	K D Kk Cinderdoor	Doorman	Altaiota	Nat	85	+155	-77	253	89	+1381	-0.31	-0.04	+0.04	+27	+44	+67	+257	+10	-38	74	+335	103	99	106	98	103	100	99	89	101	102	110	100	106	106			
WWS	US 72190767	Plain-Knoll Dona Bayonet	Donatello	Shamrock	Nat	77	+155	-28	33	80	+1139	-0.24	-0.14	+0.10	+25	+26	+62	+178	-36	+8	73	+659	100	103	92	100	105	107	104	73	102	104	108	100	105	105			
CRV	NL 761587125	Delta Jeans	Fanatic	Fidelity	Gnat	84	+155	-72	112	91	+248	+0.63	+0.32	-0.05	+43	+19	-16	+163	-17	+21	75	+116	98	103	107	103	105	104	106	89	104	107	105	108	109	109			
K&L	FR 6413261080	Hendrix	Levi	Shottle	Gint	78	+155	-8	24	86	+1173	-0.43	-0.17	-0.04	+7	+24	+50	+128	+7	-37	70	+484	105	102	102	104	102	102	104	83	98	104	111	101	106	106			
Alt	US 68999396	Blue-Horizon Altasuplex	Super	Planet	Nat	86	+155	+2	66	89	+651	-0.06	-0.21	+0.13	-29	+3	+42	-36	+7	-3	81	+788	107	109	106	102	100	102	103	84	97	100	111	94	102	102			
Kam	NL 659132440	Maikson	Maik	Wonder	Gnat	85	+154	-4	170	92	+314	-0.06	+0.02	+0.05	+8	+13	+19	+76	-6	+1	76	+622	104	103	100	98	102	94	100	86	102	105	108	106	109	109			
Kam	NL 716454975	Kik Stonehenge	Stonewall	Amateur	Gnat	84	+154	-21	163	92	+321	-0.22	+0.06	+0.14	-6	+17	+27	+65	-22	+43	76	+328	102	107	102	102	104	95	103	83	93	98	105	105	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

Perspublicatie stierindexen Zwartbont

December 2019

Ki Stiernummer	Stiernaam	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 number	Bull name	Her Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Ten	MS	LW	Rel	F	DS	U	F&L	T				
Melkdoel Zwart										Productie										€										Functioneel									
										pnt										€										Exterieur									
Kam NL 894312427	Windfall Profit	Butembo	O Man	Gnat		90	+147	+15	237	96	-215	+0.64	+0.33	-0.10	+46	+21	-18	+177	+18	+9	85	-28	101	104	105	102	101	96	102	88	100	101	102	98	105				
GGI DE 0664127354	Maserati	Man-O-Man	Windy Knoll Vie	Int		86	+147	+0	70	92	+565	+0.07	-0.04	-0.01	+31	+16	+25	+138	+5	-39	77	+304	107	104	106	103	102	96	90	103	106	108	98	105					
Kam NL 667847514	Kik Blind Date	Altameter	Jeeves	Gnat	Gn	81	+147	+7	115	89	+223	+0.19	+0.06	-0.04	+27	+13	+14	+114	+28	+4	73	+516	103	101	105	101	104	102	103	83	98	105	110	101	104				
Sem IT 17990915143	Amighetti Numero Uno	Man-O-Man	Shottle	Nat		97	+147	+6	949	99	-1	+0.47	-0.06	+0.06	+41	-5	+5	+67	+11	-8	94	+590	103	108	101	99	106	104	103	99	101	104	114	93	105				
ABS UK 949241235995	Ballycairnsupsire Corinthia	Supersire	Badger-Bluff Fa	Int		81	+147	+3	18	88	-128	-0.01	-0.03	-0.01	+5	+2	+5	+20	+11	-64	62	+485	107	107	104	100	108	100	102	84	97	105	110	102	106				
Alt US 66558709	Stone-Rail Altaelvis	Alta Otto	Shottle	Int		85	+146	-5	28	91	+1232	-0.16	-0.08	+0.00	+36	+35	+56	+236	+12	-37	79	+464	107	98	106	101	104	92	101	79	108	106	104	95	103				
Alt US 70346343	Spruce-Haven Altake	Observer	Goldwyn	Int		79	+146	-9	31	89	+660	-0.02	+0.11	+0.00	+26	+33	+30	+199	+11	-8	67	+206	106	98	100	105	104		72	100	101	112	104	109					
Sem CA 107904801	Riter Fs Euphoric	Mogul	Badger-Bluff Fa	Nat		85	+146	+4	153	92	+992	-0.16	-0.08	+0.16	+27	+27	+61	+186	+16	+1	75	+464	96	103	107	99	109	110	98	84	104	104	113	101	109				
CRV NL 431822727	Delta Malaga	Jordan	Gnat			98	+146	-3	3180	99	+1317	-0.49	-0.15	-0.03	+7	+31	+57	+159	+1	+84	99	+875	100	97	105	106	102	102	99	99	98	97	103	100	101				
Adv NL 920744345	De Volmer Jamie Perkins	Platinum	Gofast Cd	Gnat		79	+146	-18	46	88	+825	-0.24	-0.05	+0.02	+12	+24	+40	+136	-28	-39	70	+563	105	106	89	101	104	95	102	85	100	102	107	99	103				
Sem US 62496434	Regan-Ah Dragon	Goldwyn	O Man	Int		89	+145	-15	53	94	+521	-0.01	+0.05	-0.01	+21	+23	+23	+145	-12	-24	84	+216	104	103	101	103	92	98	104	86	97	104	110	102	106				
Dek US 65801567	Hardline Jacob Cri	Planet	Duce	Int		88	+145	+2	89	93	+648	+0.00	-0.14	-0.01	+28	+9	+29	+104	-2	+16	78	+486	102	101	104	100	106	103	104	90	99	102	109	103	106				
CRV NL 875052636	Veneriete Ibiza	Sundance	Bookem	Gnat		89	+145	-8	1182	93	-126	+0.35	+0.09	+0.12	+25	+3	+5	+66	+17	-74	81	+939	108	103	106	102	100	94	100	99	97	102	100	98	98				
CRV NL 582559945	Delta Cupido	Wonder	Paramount	Gnat		98	+145	-2	5051	99	+246	-0.34	-0.08	+0.10	-20	+1	+20	-32	+0	+23	95	+701	108	106	104	99	105	95	99	99	101	104	109	100	106				
Sam NL 926622612	Weggehorster Undercover	Emerald	Prince	Nat		78	+144	-1	121	86	+143	+0.99	+0.20	-0.10	+94	+23	-2	+291	-23	-17	71	+42	102	102	103	101	104	102	97	78	104	103	99	103	103				
CRV NL 921223883	Vero Crown	Goli	Gnat			97	+144	-16	2277	99	+637	+0.51	-0.13	+0.05	+75	+10	+34	+209	+13	-35	93	+93	106	99	101	103	107	105	105	99	101	104	105	104	106				
K&L US 71178738	Pine-Tree Ohio Style P	Co-Op O-Style O	Signif-P	Nat		78	+144	+1	40	86	+1388	-0.29	-0.26	-0.06	+28	+20	+55	+157	+15	+42	69	+213	103	104	107	106	99	99	101	81	94	94	106	97	99				
CRV NL 526186059	Delta Emerald	Goldwyn	O Man	Gnat		98	+144	+3	7888	99	+754	-0.21	+0.02	+0.05	+12	+28	+39	+152	+3	+49	99	+169	106	103	104	104	101	102	103	99	104	106	108	95	104				
Sem CA 107567492	Croteau Lesperon Unix	Numero Uno	Ronelee Toystor	Nat		86	+144	+17	305	89	+1171	-0.22	-0.28	+0.02	+28	+13	+55	+129	-2	-25	75	+329	101	104	108	104	104	104	105	88	104	103	116	96	108				
Xs FI0072887028	Mandyan Rakuuna	T Lambada	Goldfinger	Int		89	+144	-1	44	93	+491	-0.10	-0.08	+0.00	+12	+10	+22	+73	+13	+52	82	+605	106	104	102	108	104	103	97	86	91	96	103	100	98				
CRV NL 466101738	Slobboom's Pilot	Mascol	Jocko	Gnat		98	+144	+0	14501	99	+297	-0.04	+0.01	-0.04	+9	+11	+10	+67	+4	-16	99	+528	104	103	103	102	96	103	102	99	104	102	103	107	107				
GGI NL 543470830	Vissiten Snow Peak	Snowman	Win 395	Gint		84	+143	-18	24	93	+1624	-0.25	-0.26	-0.08	+43	+30	+66	+233	-6	+15	73	+432	98	98	99	99	102	107	102	82	96	101	105	106	105				
Kam NL 660281847	Peppe Ferdi	Boss	Danillo	Gnat		87	+143	-30	604	92	+509	+0.00	+0.19	+0.08	+22	+35	+31	+199	-36	-56	78	+207	102	101	102	99	98	95	101	93	105	104	109	106	110				
CRV NL 870286418	Delta Adapter P	RF PO Ohare-P	Fidelity	Gnat		87	+143	-9	414	92	+783	-0.05	-0.10	-0.01	+29	+18	+37	+146	-13	-54	77	+67	104	102	107	105	100	99	99	94	102	106	112	108	112				
Ves IT 019990773631	Royal Idevra Mulligan	Planet	O Man	Int		85	+143	-17	208	91	+656	-0.26	-0.13	-0.01	+3	+11	+29	+60	+18	-24	74	+571	107	105	104	100	104	103	102	84	100	106	103	99	102				
Sam US 140924073	Brandt-View Police	Gerard	Planet	Int		86	+143	+0	52	91	+469	-0.05	-0.12	+0.00	+15	+5	+21	+58	+2	-45	79	+478	104	106	101	109	100	103	105	87	102	105	111	100	107				
GGI DE 0769602080	Ferrari	Badger-Bluff Fa	Goldwyn	Gnat		86	+142	-6	62	92	+667	-0.01	-0.07	+0.06	+27	+17	+36	+137	+4	+17	76	+329	103	102	104	101	104	103	102	85	101	104	110	100	106				
CRV NL 524213982	Newhouse Gofast	CD Goldwyn	O Man	Gnat		98	+142	+2	13432	99	+384	-0.11	-0.06	-0.05	+6	+8	+13	+49	+0	+14	99	+461	102	109	95	106	97	102	108	99	101	104	112	95	105				
WWS US 68771322	Mr Goldnoaks Magnus	Man-O-Man	Shottle	Nat		88	+141	-4	159	92	+783	+0.30	+0.20	+0.06	+62	+46	+41	+331	-26	-7	77	+49	102	101	99	101	100	97	97	87	102	102	106	97	102				
Mas DE 1603294735	McCoy	McCutchen	Atwood	Gint		80	+141	-10	27	84	+1707	-0.29	-0.24	-0.02	+42	+34	+76	+250	-8	-4	69	+193	100	99	103	98	102	101	100	81	95	99	119	98	107				
Sam UK 160193703425	Cogent Twist	Shottle	Major	Nat		98	+141	-7	9523	99	+246	+0.45	+0.07	-0.05	+51	+15	+7	+171	+4	-34	97	+290	98	105	107	95	108	102	103	99	107	107	98	105	105				
Vek NL 880207746	Vekis Dvh Preston	Mardi Gras	Maxim	Nat	n	76	+140	n	155	84	+434	+0.10	-0.07	+0.18	+28	+9	+36	+107	n	-1	67	+384	103	105	94	102	104	104	102	78	104	104	113	101	109				
WWS NL 570437848	Texel Beauty Cosmo	Man-O-Man	Shottle	Nat		79	+139	-1	26	80	+609	+0.12	-0.02	+0.09	+37	+19	+36	+166	-6	-20	79	+280	109	104	103	98	105	95	100	83	99	105	106	92	99				
CRV NL 925080819	Az Liberty	Fanatic	Danillo	Gnat		84	+139	+7	112	91	+488	+0.09	+0.03	+0.04	+29	+20	+26	+151	-10	-23	74	+289	100	103	106	104	105	101	102	88	101	105	106	104	106				
Kam NL 897770440	Koepon Wellness	Fibrax	Mascol	Gnat		96	+139	-8	1308	99	-152	+0.45	+0.26	-0.11	+32	+17	-16	+132	-5	+20	94	+89	102	105	98	103	100	101	105	95	97	102	105	104	104				
Sam NL 413877174	Timmer Climax	O Man	Novalis	Nat		98	+139	-2	10354	99	+28	+0.29	+0.08	-0.05	+27	+8	+6	+91	+3	+65	99	+317	108	104	103	107	102	100	103	99	92	98	100	96	95				
Sam NL 871724421	Weggehorster Rebel	Leko	Shogun Ps	Nat	n	68	+139	n	83	77	+586	-0.16	-0.15	-0.05	+10	+6	+22	+52	n	-26	63	+503	105	105	107	103	101	99	104	61	96	101	97	103	99				
CRV NL 731578959	Waldclass Freepay	Fanatic	Shogun Ps	Gnat		93	+139	-15	1403	96	-271	+0.25	+0.10	+0.12	+10	-1	-2	+16	-17	-36	85	+630	100	108	102	105	104	101	106	99	104	104	105	103	106				
K&L US 72641548	Mr Emily Exploding Star	RF PO Lin Special Ef	Altabaxter	Nat		76	+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 Stiernummer	Stiernaam	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	D	U	B	Ext				
Ai Bull number	Bull name	Her Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Ten	MS	LW	Rel	F	T	U	F&L	T				
Melkdoel Zwart										Productie										€										Functioneel									
Sem CA 107648780	Parile Locarno	De-Su Pierre 64	Man-O-Man	Nat		74	+133	-5	44	85	+46	+0.17	+0.12	+0.12	+17	+12	+13	+89	+3	+35	66	+270	109	104	94	103	96	95	73	90	98	106	100	100					
Gex US 69398736	Mountfield Sequoia Mel	Sequoia	Shottle	Int		82	+133	-2	27	90	+292	+0.38	+0.10	+0.00	+20	-2	-13	+30	+1	-10	76	+324	108	105	107	100	105	99	73	101	103	104	98	102					
CRV NL 531923928	Diepenhoek Rozello	Sunrise	Shottle	Gnat		98	+132	+2	6841	99	+1213	-0.40	-0.01	+0.01	+12	+41	+56	+210	+6	-43	97	+96	106	103	106	104	103	100	100	99	104	104	110	93	103				
ABS US 135650545	Wa-Del Junction	O Man	Convincer	Int		88	+131	-8	36	93	+311	+0.49	+0.09	+0.00	+58	+19	+14	+204	-20	+11	82	+107	99	105	105	106	100	92	103	88	101	102	97	100	99				
CRV NL 496293313	Delta Ammo	Goldwyn	Win 395	Gnat		98	+131	-9	3178	99	+967	-0.16	-0.13	+0.00	+26	+21	+44	+154	-6	-1	97	+347	103	101	106	106	97	98	102	99	96	103	105	99	101				
Tot NL 530632496	Vendaary Wonder	CV Shottle	Goldwyn	Nat		98	+131	+1	4410	99	+461	+0.07	-0.02	+0.11	+26	+14	+31	+121	+6	-11	97	+419	105	102	104	97	107	98	97	99	105	105	109	100	107				
Kam NL 5692742126	Caps Excellent Apparition	Man-O-Man	Mascol	Gnat		91	+130	-6	226	96	+335	+0.32	+0.19	+0.00	+43	+29	+15	+214	+1	+16	87	+215	103	100	95	102	101	96	105	88	99	104	103	100	102				
Kam NL 429759583	Big Winner	Win 395	Lucky Leo	Gnat		98	+130	-7	2684	99	+136	+0.39	+0.19	-0.21	+37	+11	-35	+94	+1	-52	99	+321	97	105	99	100	100	100	103	99	97	100	102	103	102				
Sam NL 920078770	Dg All Star P	RF PP Ohare-P	Colt P	Nat		78	+130	-1	156	87	+853	-0.25	-0.25	-0.02	+12	+6	+37	+61	+27	-24	70	+443	105	102	105	100	100	96	100	78	99	104	111	103	108				
CRV NL 497081841	Skalsumer Blitz	Paramount	O Man	Gnat		98	+129	-1	4858	99	+1994	-0.32	-0.10	+0.08	+50	+59	+100	+377	-6	-10	96	+188	105	91	96	102	104	98	95	99	102	103	99	106	104				
ABS NL 970159722	Picston Shottle Et	Mioto	Acerstar	Nat		99	+129	-2	4316	99	+893	-0.23	-0.26	+0.12	+16	+6	+52	+74	+0	-29	99	+675	105	101	102	95	110	97	103	99	102	105	108	99	105				
Alt US 71302858	Mr Lookout Pesce Alta5g	Hammer-Creek Al	Atwood	Nat		78	+128	+18	35	83	-138	+0.23	+0.18	+0.05	+14	+11	-2	+74	+7	-2	65	+236	109	103	96	100	101	102	101	89	93	101	117	98	106				
Alt US 69092908	Rosylane-Llc Altabowie	Bowser	Ramos	Int		85	+128	-9	33	92	+1391	-0.78	-0.27	+0.00	-20	+21	+63	+63	-23	-15	78	+441	100	107	107	110	101	102	102	74	96	100	109	98	103				
WWS US 3009554569	S-L Mogul Defender	Man-O-Man	Mogul	Nat		91	+127	+14	307	96	+288	-0.10	-0.06	+0.16	+21	+5	-28	+73	+23	-27	82	+307	101	104	104	102	105	111	99	94	100	106	119	103	113				
ABS US 69208617	Touchdown Fred Franchise	Badger-Bluff Fa	Shottle	Nat		87	+126	-5	145	91	+958	-0.10	-0.17	+0.02	+31	+17	+46	+149	+6	-14	81	+284	104	101	104	101	103	104	100	87	100	103	106	101	104				
Mas US 70346561	Originator	Co-Op O-Style O	Planet	Gint		82	+126	-23	16	85	+920	-0.32	-0.24	-0.01	+8	+9	+41	+66	-44	-63	79	+492	105	103	102	101	102	96	104	80	106	108	110	100	108				
WWS US 3013721049	Mr D Apple Diamondback	RF Talent	Talent	Nat		76	+126	-6	54	84	+475	-0.29	+0.02	-0.01	-7	+18	+21	+65	-5	-60	75	+622	103	99	101	98	102	103	104	81	102	103	114	105	111				
Sem CA 11445882	Rockymountain Lottomax	Numero Uno	Super	Nat		79	+126	+1	63	87	+650	-0.10	-0.28	-0.02	+18	-4	+28	+30	+10	-6	71	+656	102	104	103	98	102	103	105	83	97	101	111	97	103				
Ves NL 543415590	Oelhorst Mick Aluminium	Prince	Active	Nat		81	+126	-7	79	90	+402	+0.17	+0.08	+0.09	-3	-7	-11	-38	-13	+36	74	+718	102	104	101	102	102	98	103	72	94	97	105	106	104				
NL 359508334	Brooks Harald	Emerald	Planet	Nat	2n	91	+125	-13	295	96	+544	+0.51	+0.03	-0.09	+71	+22	+16	+244	-3	-54	85	+60	101	96	102	95	104	102	104	91	104	109	107	108	111				
Sem CA 107648781	Parile Lexington	De-Su Pierre 64	Man-O-Man	Nat		73	+125	+8	36	80	+584	+0.12	+0.06	+0.15	+36	+26	+41	+195	+20	+7	62	+194	105	104	100	104	100	98	99	76	94	103	101	95	97				
Ves IT 23990261443	Mincio Holstein Ludico	Laudan	Boss Iron	Int		85	+125	-1	103	92	+1133	-0.24	-0.09	-0.01	+24	+31	+51	+193	+10	-8	75	+324	104	99	104	96	96	100	100	82	101	102	100	100	101				
Kam NL 768733756	Danshot	Danillo	Shottle	Gnat		86	+125	-12	102	93	+608	-0.01	+0.01	+0.10	+25	+22	+37	+154	-6	-28	78	+88	102	99	103	98	104	98	102	85	103	105	113	107	112				
ABS UK 949241220853	Ballycairn Oman Pello	O Man	Goldwyn	Nat		97	+124	-8	2818	99	+1444	-0.18	-0.12	-0.02	+43	+38	+64	+265	-8	-48	93	+380	101	102	102	108	99	102	103	98	104	108	97	93	97				
STG US 66183739	Wabash-Way Esteem	Planet	Shottle	Nat		85	+124	+3	82	90	+1750	-0.55	-0.29	+0.12	+17	+30	+92	+186	+30	+2	81	+425	100	105	105	105	104	101	100	81	102	105	98	94	97				
WWS US 69502427	Kerndway Eraser P	PO Eamhardt P	Observer	Nat		76	+124	-16	37	85	+543	+0.03	+0.02	+0.08	+26	+21	+32	+150	+9	-54	68	+242	97	108	99	100	106	105	103	79	104	107	110	99	107				
WWS US 135393745	All-Richt Paxton-Et	O Man	Rudolph	Int		87	+124	-5	17	91	+988	-0.44	-0.13	+0.00	-1	+22	+45	+102	-10	-57	83	+360	104	106	102	103	98	101	102	88	106	105	103	99	104				
Gex US 72013137	Syryczuk Petrone Mad Max	Welcome Super P	Darcy	Int		81	+124	+10	26	88	+772	-0.46	-0.15	+0.00	-11	+13	+35	+41	+22	-28	74	+600	109	100	102	98	102	99	100	77	97	102	111	100	105				
Sam NL 379401837	Wegghorster Santana	Zidane	Gentry	Nat		98	+124	-6	5238	99	+149	-0.18	+0.04	-0.11	-10	-9	-3	+15	+0	+32	99	+195	104	105	100	100	97	92	106	99	96	98	106	105	104				
CRV NL 768923441	Double W Ms Steward	Salvador	Wonder	Gnat		85	+124	-19	105	92	-141	+0.06	+0.00	+0.13	-1	-5	+5	-21	-33	+7	75	+496	104	106	99	99	101	104	102	88	97	102	111	103	107				
Sam NL 842907459	Batenburg Touchdown	Twist	O Man	Nat		85	+123	+11	156	92	+132	+0.26	-0.02	+0.02	+65	+31	+44	+277	+15	-11	76	+125	94	101	107	100	104	100	104	80	107	106	98	102	103				
Kam NL 890152285	Heuvel Bulykin	Lonar	Paramount	Gnat		95	+123	+0	798	99	+386	-0.05	+0.02	-0.02	+12	+15	+16	+92	+14	-25	92	+283	105	101	107	100	98	94	102	94	103	105	104	104	106				
CRV NL 968458206	Delta Liberator	Levi	Blitz	Gnat		89	+123	+11	233	94	+686	+0.52	+0.30	-0.02	+13	+0	-33	+17	+21	-5	79	+353	107	104	99	109	96	91	105	91	94	101	103	104	102				
CRV US 3000540481	Cookiecutter Mom Hunter	Man-O-Man	Shottle	Gnat		98	+122	+1	2331	99	+917	-0.10	-0.01	+0.10	+29	+31	+52	+204	+3	-32	96	+86	99	104	102	101	108	104	103	99	102	107	105	100	104				
CRV NL 227347061	Hidden Future	Ronald	Celsius	Gnat		98	+122	+6	21367	99	+66	+0.12	+0.10	+0.03	+8	+6	+0	+41	+0	+66	99	+161	108	103	104	100	91	92	101	89	94	96	96	105	98				
ABS UK 904136843121	Lissus Star	Jeeves	Galaxy	Int		78	+121	-24	25	89	+107	-0.12	+0.00	-0.01	-6	+4	+4	+5	-2	-19	66	+448	107	102	103	97	104	101	101	80	99	103	113	103	109				
Sem US 65917463	De-Su Authority	Stol Joe	O Man	Nat		89	+120	-2	105	92	+1341	-0.35	-0.03	-0.09	+22	+44	+52	+242	-6	+20	83	+130	103	97	105	103	102	101	100	91	101	99	104	99	102				
Sam NL 748398751	Manifesto Van De Peul	RF Massey	Goldwyn	Nat		81	+120	+0	130	89	+50	+0.34	+0.13	-0.07	+32	+13	-4	+119	+5	+23	72	+143	106	100	107	100	105	97	99	77	99	99	110	100	105				
K&L BE 128079806	Rocca-Dg Snowfall	Snowman	Regancrest-Hhf	Nat		77	+119	+8	38	85	+1599	-0.41	-0.32	-0.01	+25	+23	+72	+168	-11	-29	71	+328	103	102	100	97	102	102	100	76	104	103	109	97	105				
Bov CA 106542274	Filiale Oman Spiderman																																						

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. Vader	M-vader	B	N	Bt	NV1	+/-	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 Sire	MGS	S	N	Rel	NV1	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Ten	MS	LW	Rel	DS	U	F&L	T					
Melkdoel Zwart										Productie										Functioneel										Exterieur									
Sem	CA 11799682	Claynook Raleigh	Dooman	Windbrook	Nat	79	+112	-4	101	87	+830	-0.12	+0.04	-0.12	+24	+33	+26	+194	+17	-40	69	+580	102	99	101	101	105	95	98	84	101	105	111	94	104				
Sem	CA 108737099	Progenesis Novo	Dooman	Supersonic	Int	75	+112	-18	34	89	+335	-0.23	+0.06	+0.00	-7	+17	+15	+60	+20	-50	62	+463	107	99	106	101	102	101	98	76	102	101	119	99	110				
ABS	US 139316388	Brandt-View Mungo	Mascol	Alton	Nat	88	+111	-23	211	93	+734	+0.04	-0.05	+0.02	+35	+21	+35	+170	-18	+52	82	+123	99	102	99	104	98	106	101	84	97	99	99	104	101				
Sam	NL 875966205	Jimm. Holstein Mr. Winner	Big Winner	Shottle	Nat	81	+111	-7	216	89	+916	-0.29	-0.16	-0.09	+11	+16	+33	+99	+13	+22	74	+549	99	102	98	97	103	100	102	80	96	99	103	102	101				
Sam	NL 927185899	Big Sentaro	Shogun Ps	Joryny	Nat	92	+111	-6	349	97	-91	+0.07	+0.08	-0.01	+2	+4	-5	+19	+6	-22	86	+503	106	104	102	102	102	98	102	89	101	102	107	98	103				
ABS	US 52357952	Ralma Focus	O Man	Durham	Int	90	+111	-18	54	94	+983	-0.46	-0.32	-0.01	-3	+3	+44	+19	-27	-4	85	+261	107	106	105	110	98	99	98	91	99	100	103	101	102				
ABS	UK 933006964736	Ards Proclaimer	Mogul	Man-O-Man	Nat	85	+110	-14	254	91	+222	+0.47	+0.21	+0.09	+52	+27	+18	+225	+19	-82	76	+93	102	98	101	97	101	104	102	89	101	105	115	100	109				
K&L	DK 000000253208	Vh Strong	Stol Joc	O Man	Nat	95	+110	+27	1862	98	+114	+0.08	+0.24	+0.04	+12	+25	+9	+130	+16	-34	90	+386	104	101	101	102	107	98	103	98	108	104	100	100	103				
Kam	NL 549852661	Heuvel Sana	Maik	Cello	Gnat	94	+110	-28	686	98	+160	+0.14	+0.05	-0.05	+19	+10	+3	+82	-23	+3	89	+445	101	103	98	99	100	95	99	94	94	101	111	101	105				
AWE	DE 1501192456	Hmo Monreal	Man-O-Man	Shottle	Nat	81	+109	-13	40	84	+807	+0.03	+0.06	+0.14	+37	+34	+50	+232	-3	-73	82	+91	104	101	100	95	101	97	101	93	103	102	107	96	103				
CRV	BE 119784595	Delta Brilliant	Goldwyn	O Man	Gnat	98	+109	-2	6005	99	+945	+0.03	-0.06	+0.00	+43	+27	+43	+214	+1	-1	96	+29	99	99	100	101	102	105	106	99	102	106	109	100	106				
Dek	FR 1451887096	Angelo	O Man	Bw Marshall	Int	85	+109	-4	27	91	+667	+0.19	-0.02	+0.00	+46	+21	+30	+192	+4	-59	73	+134	106	102	93	110	95	96	102	86	98	102	97	102	99				
CRI	NL 970170196	Welcome Oman Palmer Cri-Et	O Man	Aaron	Nat	98	+109	-1	2761	99	+661	-0.16	+0.09	-0.01	+13	+32	+29	+167	+0	-5	97	+199	102	103	94	104	95	98	101	99	99	105	104	100	103				
Kam	NL 715848975	Groenibo Hardwell	Mascalese	Danillo	Gnat	83	+109	+11	111	91	+50	+0.35	+0.03	+0.06	+33	+4	+8	+88	+3	+8	74	+185	109	100	103	98	95	95	101	84	96	102	106	99	102				
Toe	NL 934021036	Kempen Juro	Fever	Design	Nat	87	+109	+22	228	94	+12	+0.12	-0.05	+0.12	+11	-4	+11	+10	+4	+8	78	+455	107	104	106	103	96	100	100	83	99	99	105	97	101				
Mas	DK 05609302036	Halnar	Hayden	Laudan	Int	83	+108	+2	16	89	+148	-0.32	-0.19	+0.00	+17	+21	+52	+137	+22	-45	75	+495	105	97	98	94	97	96	85	98	103	105	104	105					
K&L	FR 2916691773	Vouster	O Man	Ideal Acs	Int	84	+107	+7	48	91	+428	+0.17	+0.23	-0.01	+34	+36	+19	+225	+19	-3	79	+109	103	102	98	107	100	94	84	102	104	105	94	99	97				
CRV	NL 525056357	Ludiek Bluejay	Bertil	O Man	Gnat	98	+107	+0	4387	99	+625	+0.05	+0.16	-0.05	+31	+37	+24	+224	+0	+40	99	+104	107	96	98	97	99	104	101	99	98	100	106	95	100				
CRV	NL 970118312	Art-Acres Win 395	Winchester	Star Patron	Gnat	99	+107	-4	12463	99	+1517	-0.32	-0.23	-0.19	+32	+29	+50	+201	+0	-28	99	+118	95	103	104	104	103	99	101	99	98	103	94	108	101				
OBS	DE 0353816157	Manu	Man-O-Man	Jose	Nat	83	+107	+16	97	91	+1153	-0.34	-0.16	+0.00	+15	+24	+53	+146	+7	+12	74	+161	97	104	102	104	102	105	106	72	99	100	99	101	100				
Sem	CA 105889677	Gen-I-Beq Halak	Planet	Goldwyn	Int	89	+107	-19	99	94	+409	+0.18	+0.02	-0.01	+34	+16	+18	+142	-11	+19	82	+119	102	105	100	103	98	102	99	91	99	102	103	98	101				
Ves	IT 024990274239	Campogallo Zamagni	Super	Active	Int	83	+107	+0	163	89	+416	+0.12	+0.03	-0.01	+29	+17	+18	+136	+23	-24	73	+311	103	98	106	101	100	105	103	83	103	101	113	97	106				
Alt	US 69990157	De-Su Altahealy	Altameteor	Goldwyn	Nat	92	+107	-8	394	97	+1402	-0.60	-0.24	+0.10	-1	+24	+74	+119	+7	-27	85	+349	105	105	99	104	100	103	97	88	102	103	110	93	103				
WWS	US 61898316	Regancner Oman Ingles	O Man	Die-Hard	Int	86	+107	-13	40	92	+784	-0.42	-0.17	-0.01	-7	+11	+35	+41	-13	-19	80	+495	104	106	98	106	101	102	99	81	97	104	105	99	102				
CRV	NL 355478033	Beckmanshoeve Bertil	Willis	Jocko	Gnat	98	+106	-3	29944	99	+636	-0.01	+0.13	-0.07	+26	+34	+22	+201	+0	+17	99	-89	104	101	101	98	98	101	100	99	100	106	101	100	101				
Sam	UK 261437201774	Wintersell Milo	O Man	Goldwyn	Nat	89	+106	-13	261	94	+383	+0.32	-0.03	+0.07	+46	+11	+24	+149	-8	+1	82	+191	105	103	99	107	100	101	103	99	100	104	106	92	100				
Alt	NL 276999486	Barnkamper Cassanova	Addison	Labelle	Nat	97	+106	-3	1684	99	+474	-0.10	+0.10	+0.05	+11	+26	+26	+138	+0	+28	97	+208	100	104	104	102	99	98	107	97	99	99	95	96	95				
Sam	NL 693632559	Rohorst Pioneer	Malando	O Man	Nat	2n	84	+106	+17	106	92	+448	+0.68	+0.32	+0.04	+38	+11	-17	+120	+79	+41	77	-10	102	106	98	99	103	100	105	72	105	107	102	102	105			
Sem	NL 970163778	Bradale Goldwyn	James	Storm	Nat	88	+106	+6	2644	99	+151	+0.17	+0.01	-0.02	+22	+6	+5	+72	+0	+33	99	+72	105	103	103	102	97	102	100	99	97	101	113	98	105				
CRV	FR 3514051968	Gp Asotman	O Man	Hershel	Int	83	+105	-4	40	90	+628	-0.09	-0.09	-0.01	+18	+13	+28	+100	-15	-28	76	+247	107	101	99	104	102	101	100	80	99	105	106	101	104				
WWS	US 139520686	Ronelee Boliver Dashawn	Boliver	Outside	Nat	89	+105	+2	109	92	+555	-0.10	-0.11	-0.02	+14	-9	+23	+73	+23	+11	84	+360	104	99	105	100	102	102	104	92	97	100	103	101	102				
Sam	UK 364737201986	Sherdon Reliable	Iresistable	Ramos	Nat	68	+105	-22	88	79	-682	+0.62	+0.19	+0.11	+21	-8	-22	+5	-74	+37	59	+265	105	105	105	100	102	101	102	60	98	98	100	101	100				
Ves	FR 4952815479	O-Man End-Story	O Man	Jocko	Gnat	97	+104	-6	1623	99	+1354	-0.26	-0.12	-0.01	+31	+35	+61	+227	+2	-42	95	+77	100	103	102	98	102	97	104	69	103	105	101	95	100				
Dek	FR 4241809490	Henripom	Dempsey	Jake	Gnat	78	+104	-13	35	87	+96	+0.31	+0.05	-0.08	+32	+8	-3	+99	-3	-43	69	+168	105	100	95	103	101	97	100	84	99	102	114	106	111				
Toe	NL 761242914	Keyenberg Lifetime	Mavid	Lonar	Nat	85	+104	+24	291	91	+277	+0.02	+0.04	+0.13	+14	+13	+24	+90	+27	+36	77	+515	107	101	86	99	100	98	101	89	98	98	101	100	100				
Mas	DE 0353545387	Xmas	Xacobeo	Mascol	Nat	80	+104	+6	45	85	+659	-0.34	-0.06	+0.14	-4	+17	+43	+74	+8	+61	70	+143																	

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. 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 Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Ten	MS	LW	Rel	F	DS	U	F&L	T														
Melkdoel Zwart						Productie														€										Functioneel										Exterieur									
ABS	US 135778023	Gran-J Oman McCormick	O Man	Durham	Nat	98	+98	-3	7929	99	-701	+0.60	+0.17	+0.02	+19	-11	-30	-14	-2	+31	99	+199	102	111	100	108	102	102	102	99	94	98	106	96	99														
Ves	IT 020990433175	Zial Planet Viken	Planet	Titanic	Nat	93	+97	-11	965	97	+1099	-0.33	-0.22	+0.05	+14	+17	+55	+116	+10	-42	86	+393	101	105	101	100	104	96	96	93	96	107	105	98	101														
Sam	US 70316477	Way-Ok Supersonic Gable	Supersonic	Bolton	Int	68	+97	-6	24	82	+1175	-0.54	-0.21	-0.01	-4	+20	+53	+90	-12	-14	52	+377	103	102	101	99	103	99	102	45	101	102	106	97	102														
CRV	NL 372317917	Delta Barclay	Lord Bailey	Webster	Gnat	98	+96	+2	1688	99	+417	+0.13	+0.04	+0.02	+30	+18	+21	+143	+2	+73	97	+8	103	99	105	104	99	94	97	99	98	97	99	104	101														
Toe	NL 437185378	Danillo	Goldwyn	O Man	Nat	98	+96	-4	12498	99	+352	+0.05	+0.07	+0.01	+20	+19	+17	+125	-9	-26	99	-144	103	102	101	104	94	92	99	99	98	108	109	106	109														
Alt	US 66757460	Welcome Altaport	Trump	Satire	Int	85	+96	-13	25	91	+171	+0.43	+0.00	-0.01	+46	+6	+7	+123	-5	-11	76	+151	105	98	92	101	103	95	101	82	101	103	113	104	110														
Gex	US 62768990	Va-Early-Dawn Sudan Cri	Jammer	Sailor	Nat	97	+95	-5	1942	99	+1008	+0.07	-0.08	+0.04	+50	+27	+50	+231	-8	-20	95	+325	100	96	93	98	102	106	105	99	105	104	101	101	103														
K&L	FR 6204626038	Survivor	Jesther	Gelpro	Nat	98	+95	+3	6042	99	+774	-0.54	-0.16	+0.11	-19	+12	+46	+23	+6	+12	99	+669	106	96	105	90	98	99	100	99	106	105	108	101	107														
ABS	UK 949241225123	Ballycairn Planet Maximum	Planet	Shottle	Int	83	+94	-3	44	90	+753	-0.34	-0.15	+0.00	-10	+12	+34	+59	+1	-25	76	+412	101	104	95	101	101	93	103	77	101	104	104	102	104														
Sam	NL 647447224	Noorder Palmiro	Pilot	Survivor	Nat	77	+93	-29	101	85	+838	+0.00	+0.00	+0.00	+36	+29	+38	+206	-2	+42	70	+432	101	95	95	95	98	98	100	76	103	97	101	100	101														
Sam	NL 872953615	Heuvel Headline	Twist	Paramount	Nat	76	+93	-8	107	84	+337	+0.40	+0.12	-0.02	+51	+23	+14	+206	-8	-2	69	+222	93	101	104	96	104	101	100	76	103	105	99	104	103														
Alt	US 69522869	Hendel Altabring	Bowser	Shottle	Nat	84	+93	-13	58	86	+878	-0.25	-0.10	-0.02	+13	+21	+38	+125	-17	-14	81	+128	98	104	103	101	101	102	100	83	96	101	110	99	104														
Sam	UK 906014028847	Laurehill Regent	Prince	Maestro	Nat	79	+93	+4	44	84	+782	+0.70	+0.14	+0.01	+23	-16	-35	-28	+6	+49	67	+478	102	102	104	103	101	98	98	102	75	96	100	103	104	103													
ABS	US 68771348	Mr Goldnoaks Messiah	Badger-Bluff Fa	Shottle	Int	86	+92	-19	38	91	+1451	-0.18	-0.21	+0.00	+43	+29	+66	+229	+0	-36	78	+128	99	99	104	98	105	104	100	87	101	105	105	98	103														
ABS	US 62175933	Pine-Tree Martha Sholten	Shottle	O Man	Int	88	+92	+2	54	93	+793	-0.07	-0.01	+0.00	+27	+27	+36	+178	-9	+18	83	+321	99	99	100	102	103	97	104	85	98	103	101	97	99														
Sem	CA 7816429	Gillette Windbrook	CD	Fbi	Blitz	Nat	98	+92	-2	2926	99	+580	+0.15	-0.08	-0.02	+39	+13	+25	+143	+7	-21	97	+216	102	95	106	97	100	87	103	99	102	105	106	104	107													
Gex	US 64188829	Willra Boliver Sequoia	Boliver	Ramos	Nat	94	+92	+4	706	98	+431	-0.09	+0.02	-0.01	+10	+17	+19	+96	+17	-43	89	+167	105	103	106	100	101	93	99	94	101	103	106	97	102														
ABS	US 64519111	Welcome Genomics	Altabaxter	Alfon	Int	86	+91	-4	41	91	+1436	-0.06	-0.20	+0.00	+67	+30	+65	+283	+6	+51	79	+89	99	93	108	104	103	94	97	85	99	99	103	99	101														
Kam	NL 489715994	Montreux 50	Shottle	Archibald	Gnat	97	+91	+2	1695	99	+897	-0.13	-0.09	-0.08	+26	+23	+33	+159	+7	-20	95	+169	100	100	100	100	110	103	104	96	100	102	96	104	100														
WWS	US 62265473	Beery-Val Bolton Abram	Bolton	O Man	Nat	92	+91	-1	289	97	+372	+0.24	-0.05	-0.02	+38	+8	+15	+117	+0	+10	89	+277	104	101	96	98	103	98	102	92	99	102	106	96	101														
CRV	NL 377829950	Gooslar Diamond	Jocko	Willis	Gnat	99	+91	-6	9323	99	+63	+0.29	+0.12	+0.07	+28	+13	+9	+115	+0	+63	99	+472	100	98	101	103	101	99	104	99	93	98	100	98	97														
CRV	NL 662846181	Peeldijker Percher	Snowflever Cd	Atlantic	Gnat	87	+91	-16	212	93	+174	+0.07	-0.03	+0.09	+14	+3	+16	+47	+13	+19	77	+186	102	100	103	103	105	106	98	93	104	104	110	107	111														
WWS	US 62297934	Bomaz Marion Emerald 648	Marion	Klassic Lynch	Nat	97	+90	+4	2910	99	+465	+0.50	+0.15	-0.08	+66	+30	+14	+266	+7	-35	96	+201	101	96	100	97	101	97	103	99	106	104	105	103	107														
CRV	NL 76597315	Apina Health	Levi	Ramos	Gnat 2n	98	+90	+0	3701	99	+407	+0.05	-0.07	-0.05	+22	-8	+14	+83	-7	+10	95	+368	102	105	100	103	100	104	100	99	101	102	97	97	97														
ABS	UK 341546703132	Chalclyffe Ransom	Ramos	Mtoto	Nat	87	+90	-16	138	92	-538	-0.14	+0.11	+0.01	-11	-10	-24	-71	+0	-27	80	+347	103	105	106	102	104	101	105	86	98	103	107	104	106														
K&L	FR 2244592229	Cosinus	Maxwell	O Man	Nat	91	+89	-8	242	95	+1442	+0.37	+0.00	+0.00	+24	+50	+66	+275	-27	-67	84	+291	101	98	102	97	100	103	97	82	106	105	105	93	101														
WWS	US 62190170	E-Longview Cm	Sharky	Outside	Int	85	+89	+3	16	90	+922	-0.04	-0.17	+0.00	+35	+16	+42	+152	+6	+26	77	+198	104	99	102	103	105	104	99	87	98	99	104	96	99														
GGI	DK 03001001766	Iowa	Altaiota	Regancrest-Hhf	Gint	84	+89	+17	19	87	+950	-0.28	-0.26	+0.26	+13	+8	+69	+81	+1	-63	73	+187	102	105	99	101	102	106	99	89	101	105	111	100	107														
Sem	CA 9908842	Blunose Risingstar	Stol Joc	Shottle	Int	87	+88	+2	101	92	+1081	-0.32	-0.04	+0.00	+14	+34	+49	+184	+14	-10	79	+319	105	94	104	98	102	97	96	87	104	103	107	99	105														
Kam	NL 946000131	Marwil Wake Up	Wyman	Stol Joc	Gnat	82	+88	-23	104	90	+925	-0.25	+0.00	-0.06	+15	+32	+36	+174	-12	-5	74	+248	102	102	98	104	98	96	99	84	100	101	107	92	100														
Dek	FR 56304045030	Cypriede	Bolton	Shottle	Nat	93	+88	-14	889	97	+534	+0.05	+0.05	+0.06	+27	+23	+30	+160	-5	-10	88	+190	103	96	98	94	107	98	101	95	101	103	109	102	107														
CRV	NL 466786085	Aurora Ormsby	Shottle	O Man	Gnat	98	+88	-4	2540	99	+866	-0.19	-0.13	+0.13	+19	+18	+52	+129	+0	-37	97	+274	101	98	100	94	102	105	104	99	104	103	107	102	106														
CRV	NL 422992648	Delta Logan	Win 395	Willis	Gnat	98	+88	+2	4170	99	-71	+0.20	+0.25	-0.17	+14	+19	-18	+102	+7	-34	99	+103	99	105	103	102	103	102	104	99	99	100	100	101	100														
GGI	DE 0350369071	Hmo Jelbas	Jefferson	Eminenz	Int	82	+88	-1	39	90	+335	-0.27	-0.07	+0.00	-10	+5	+15	+4	-26	-4	77	+426	101	106	101	98	101	97	96	78	102	100	101	105	104														
Alt	US 132135953	Honeycrest Ruffian	Bw Marshall	Star Patron	Int	90	+87	+15	49	94	+1790	-0.42	-0.28	-0.01	+32	+33	+81	+227	+47	+42	82	+14	102	97	90	107	98	97	100	92	95	98	109	99	102														
CRV	NL 970173683	De-Su Oman Goli-Et	O Man	Bw Marshall	Gnat	99	+86	-9	8700	99	-417	-0.02																																					

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. 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 Sire	MGS	S	N	Rel	NVI	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Ten	MS	LW	Rel	F	DS	U	F&L	T														
Melkdoel Zwart										Productie										€										Functioneel										Exterieur									
Fer DE 0536835315	Ranger	Roylane Socra R	Ito	Nat		89	+79	-13	345	95	+448	+0.22	+0.05	+0.07	+39	+20	+27	+172	-7	-7	80	+117	100	101	105	98	102	108	98	88	100	104	106	95	101														
WWS US 132582764	Robthom Moscow	Bw Marshall	Integrity	Int		88	+79	-4	39	93	+1299	-0.66	-0.43	+0.00	-11	-2	+59	+43	-10	+42	83	+457	107	102	91	97	98	98	93	98	95	105	98	100															
Dek FR 4240917397	Vaulcule	O Man	Hershel	Nat		98	+78	-1	4244	99	+344	+0.26	+0.10	+0.09	+38	+21	+24	+173	+0	-28	99	-58	107	96	106	101	102	97	101	99	101	103	101	99	101														
Sem US 135556243	Crockett-Aeres Eight	O Man	Mto	Nat		98	+78	-1	5126	99	+511	+0.03	+0.07	+0.04	+25	+24	+27	+159	-4	-10	99	+312	101	103	96	104	104	90	97	99	104	108	97	97	99														
ABS US 142415407	Jeffrey-Way Sellabull PP	PP	Eamhardt P	Nat		72	+78	+6	39	82	+302	+0.02	+0.06	+0.05	+15	+16	+18	+103	+17	-19	63	+331	100	104	102	99	104	94	78	98	105	102	95	99															
Alt US 3004886516	Rosylane-Llc Altatonic	Regancrest-Hhf	Ramos	Nat		80	+78	+8	30	83	-352	+0.04	-0.08	+0.05	-12	-19	-12	-107	+12	+33	72	+118	104	110	104	102	98	105	104	74	92	97	106	98	99														
Sam NL 871440767	Idaho Joe	RF	Altaiota	Nat		77	+76	-2	107	87	+857	-0.14	+0.02	-0.21	+23	+32	+59	+197	-32	+25	69	+144	100	98	97	100	100	101	102	67	101	101	100	98	99														
WWS NL 970139971	Unrieta Zlati II Et		Zelo	Int		84	+76	+9	27	91	-161	-0.76	-0.03	+0.00	+39	-8	-7	+89	+9	+33	79	+427	106	97	101	92	99	101	86	97	102	95	99	96															
Alt NL 741423753	Ockema Altamonday	Explode	Man-O-Man	Int		81	+76	+0	27	89	+1245	-0.36	-0.35	-0.01	+17	+8	+56	+85	+9	-31	61	+125	108	100	99	98	99	99	100	79	104	100	110	96	104														
CRV NL 383090074	Woudhoeve 1042 Impuls	O Man	Jesther	Gnat		99	+75	+3	39639	99	+759	-0.10	+0.04	+0.16	+23	+30	+50	+186	+0	-10	99	-5	99	104	102	99	103	103	103	99	104	106	98	93	97														
Alt NL 568554490	Jongsteins Altahavanna	Man-O-Man	Roumare	Nat		74	+75	-3	29	81	+71	+0.08	+0.11	+0.25	+10	+12	+25	+78	-2	-11	66	+252	106	98	102	100	105	101	55	100	102	110	97	104															
WWS CA 7525863	Pol Butte Mc Beemer	Mccutchen	Goldwyn	Nat		86	+74	-23	185	90	+1034	-0.14	-0.21	+0.09	+30	+15	+56	+141	-42	-28	75	+150	95	97	107	103	107	109	105	89	101	102	116	100	109														
Alt NL 385038533	Isidorus Altoasan	O Man	Major	Nat		98	+74	-1	9991	99	+107	+0.08	+0.05	+0.01	+12	-8	+6	+60	+0	-18	99	+32	99	109	89	102	102	101	109	99	100	106	95	101	99														
Alt US 61978010	Shawnee Alastratos	RF	September Storm	Durham	Int	82	+74	+10	20	89	-62	-0.36	-0.12	-0.01	-34	-13	-2	-125	+10	+30	77	+233	109	104	102	98	98	101	82	98	95	111	102	106															
WWS US 140602463	Mr Atwood Brokaw	Atwood	Regancrest-Hhf	Int		88	+73	+11	51	93	+590	-0.01	-0.02	-0.01	+24	+19	+26	+136	-5	-16	80	-10	98	101	95	92	110	103	103	91	100	101	117	99	109														
CRV US 137959529	Morningview Ho-Ho	Shottle	Manfred	Int		79	+73	+19	22	88	+1397	-0.46	-0.36	-0.01	+13	+12	+63	+95	+45	+1	78	+326	101	102	102	93	103	96	64	97	100	99	97	97															
CRV NL 543311755	De Vrendt Paulus PP	RF PP	Mitey	Nat		90	+73	+3	171	95	-56	+0.28	+0.06	+0.17	+22	+3	+12	+62	+9	+44	83	+87	104	101	105	99	98	110	103	90	89	94	98	98	94														
GGI US 135999398	Emerald-Acr-Sa T-Brigade	Best	Durham	Gint		88	+72	+9	82	94	-197	+0.73	+0.09	-0.13	+54	+1	-20	+112	+19	+21	80	+144	98	97	99	99	98	101	105	89	100	101	103	106	105														
Bov US 69628071	Shema Iota Chester	Altaiota	Klumbs Durham	Nat	2n	81	+72	-3	89	88	+572	-0.11	-0.12	+0.19	+14	+9	+44	+80	+14	-52	71	-2	102	103	106	100	104	102	101	75	106	105	108	99	106														
Ves NL 695320074	Weghehorster The Answer	Lonar	Northern	Nat		95	+72	-17	837	99	-21	+0.14	+0.12	-0.11	+13	+11	-9	+70	+75	+42	92	+116	101	102	95	99	94	99	103	93	97	100	95	105	99														
Sem CA 11738617	Blondin Crasdale City PP	PP	Eamhardt P	Colt P	Int	75	+71	-4	31	90	+867	-0.54	-0.13	-0.01	-15	+18	+39	+54	-22	-13	60	+537	100	101	105	105	106	101	103	74	98	103	102	95	98														
STG US 70714273	Wind-D-Aeres Ivan PP	RF PP	Colt P	Planet	Int	80	+71	-5	22	89	+800	-0.43	-0.17	-0.01	-7	+12	+36	+45	+10	+13	75	+470	105	102	96	99	99	100	98	64	98	100	106	94	99														
CA 75888022	Gillette Jordan	BY	Goldwyn	Durham	Nat	98	+71	-7	2576	99	+318	-0.07	-0.20	+0.03	+7	-7	+17	-9	+0	+15	97	+74	101	105	105	103	87	101	102	99	96	102	108	100	103														
Ves IT 028990183102	Gegania Prince Felino	Prince	Toystory	Nat		79	+71	-3	36	86	-890	+0.67	+0.27	+0.01	+15	-10	-40	-22	-15	+31	71	+230	104	104	100	102	103	98	99	75	102	99	103	102	103														
GGI NL 359507595	Broeks Elburn	RF	Mr Bums	O Man	Nat	95	+69	-1	813	98	+1302	-0.47	-0.08	-0.05	+8	+37	+54	+185	-8	-29	89	+252	100	102	90	97	94	98	95	96	108	106	102	99	104														
Kam NL 362151552	Creijland Set Up	Dustin	Celsus	Gnat		98	+69	+2	2221	99	-143	+0.01	+0.27	-0.16	-5	+18	-20	+57	+0	+33	97	+72	93	106	105	107	100	98	107	99	96	94	100	100	98														
Dek US 69791606	Morningview Glow P	RF PO	Colt P	Windy Knoll Vic	Gint	77	+69	+26	21	86	+1101	-0.57	-0.25	+0.09	-9	+14	+59	+56	+19	+22	68	+384	103	104	101	96	105	103	98	80	100	100	106	90	98														
Mas DE 0768768423	Schaffner	Shottle	Rubens	Int		89	+69	-5	67	94	+312	-0.36	-0.22	+0.00	-19	-9	+14	-73	-26	+0	83	+567	106	105	102	92	107	95	100	91	98	100	102	96	98														
GGI NL 203822621	Limburger	Lord Lily	Sunny Boy	Int		89	+68	-1	41	93	-128	-0.32	+0.09	+0.01	+22	+3	-5	+57	-3	+19	85	+157	104	102	97	101	95	98	103	90	96	99	101	98	98														
WWS NL 970137153	Bay-Bob Amateur-Et	Rubytom	Cleitus Luke	Nat		98	+68	-9	2175	99	-80	-0.04	+0.15	-0.11	-7	+10	-13	+22	+0	+33	97	-75	95	106	99	101	95	97	106	99	98	100	100	108	104														
Toe BE 010603890	Kendale Belfast	Sterling	Goldwyn	Nat		90	+67	+15	290	96	-16	+0.29	+0.10	+0.01	+25	+8	+0	+85	+11	-14	84	+91	106	100	97	98	96	97	95	89	99	102	111	100	106														
CRV NL 422992655	Barnkamper Marathon	Shottle	Major	Gnat		98	+67	+4	2300	99	+577	-0.32	-0.11	+0.07	-5	+10	+33	+40	+4	-2	97	+213	99	103	101	97	101	93	99	99	99	101	106	103	105														
CRV NL 465477157	Dome's Navarro	Mascol	Melchior	Gnat		98	+67	-7	6018	99	-129	-0.14	+0.13	-0.06	-18	+7	-11	-12	+1	+33	99	+228	98	99	95	105	95	102	106	99	94	94	106	112	107														
Alt US 62253394	Ufm-Dubs Altaesquire	O Man	Mark Sam	Nat		98	+66	+1	8317	99	+408	+0.49	+0.12	-0.01	+62	+25	+18	+238	+0	-34	99	-158	95	103	98	108	103	97	103	99	102	108	97	99	100														
WWS US 132053536	Jafra Marsh Binky-Et	Bw Marshall	Star Patron	Int		87	+66	+10	34	92	+909	-0.11	-0.19	+0.00	+49	+13	+41	+169	+23	+29	81	+222	103	98	97	102	98	93	97	85	103	99	103	99	102														
Kam NL 322820009	Jongsteins Buckman	Besne Buck	Sunny Boy	Nat		98	+66	+4	2546	99	+508	-0.10	-0.10	-0.03	+12	+8	+20	+64	+4	+27																													

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

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Ki Stiernummer	Stiernaam	Erf. Vader	M-vader	B	N	Bt	NV1	+/-	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 Sire	MGS	S	N	Rel	NV1	+/-	daus	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCF	Ten	MS	LW	Rel	F	DS	U	F&L	T				
Melkdoel Zwart										Productie										Functioneel										Exterieur									
Ves	IT 019500292622	Go-Farm Ford Virzal	Ford	Skywalker	Nat	98	+53	+7	2899	99	+380	-0.19	+0.03	+0.11	-1	+16	+27	+72	+4	-38	99	-202	101	103	105	94	99	95	102	99	103	102	102	102	103				
WWS	NL 875918314	Merwehoeve Aquilani	Damion	Sanchez	Nat	79	+53	+27	77	87	+211	-0.38	-0.02	+0.05	-25	-6	+14	-24	+51	-62	70	+303	101	101	107	99	105	101	104	81	105	108	106	102	107				
CRV	NL 777430664	Newhouse Ronald	Acrostar	Secret	Gnat	99	+53	+0	19847	99	-390	+0.09	+0.09	+0.13	-9	-6	-7	-46	-2	+42	99	+36	104	104	102	96	88	89	104	99	97	95	100	100	98				
AWE	FR 2216979219	Biarritz	Buckeye	Morty	Int	85	+52	-13	25	91	+1757	-0.42	-0.35	+0.00	+31	+24	+80	+188	-42	-8	78	+161	102	95	94	97	100	95	86	100	102	103	98	101					
Sem	CA 105543854	Delaberge Democracy	RF Mr Bums	Shottle	Int	82	+52	+8	25	90	+112	+0.31	+0.02	+0.00	+32	+6	+5	+93	+6	+1	69	+145	105	99	93	99	102	98	82	98	102	99	100	99					
CRV	NL 536235671	Jhs Highlight	Man-O-Man	Goldwyn	Gnat	98	+52	+1	1542	99	-135	+0.30	+0.09	+0.06	+20	+3	-1	+54	+0	-39	96	-59	97	104	102	104	100	104	105	99	99	101	109	100	105				
Sem	US 137012381	R-E-W Seaver	Goldwyn	Durham	Nat	98	+52	+2	7496	99	+312	-0.28	-0.06	+0.00	-12	+5	+14	-1	+2	-25	99	+311	105	98	93	98	95	95	101	99	102	104	114	102	110				
Ves	IT 017990676878	Aquila Jeeves Bagolino	Jeeves	Stomatic	Nat	92	+52	+10	1237	96	+95	-0.36	-0.16	-0.04	-28	-11	+1	-104	+45	-13	85	+652	104	103	98	91	101	97	100	95	102	102	104	101	104				
Sam	NL 422179520	Maniac Ps	O Man	Emerson	Nat	97	+51	-11	1569	99	+303	+0.03	+0.07	-0.01	+16	+17	+13	+107	-5	-8	96	+390	97	105	99	109	100	98	97	97	100	103	98	93	96				
ABS	US 61757559	Welcome Penny maker	BR Lancelot	Aaron	Nat	92	+51	-1	383	96	-17	-0.05	+0.05	+0.13	-5	+4	+11	+9	+8	+18	86	+81	102	105	106	101	95	95	97	91	95	98	106	95	99				
K&L	NL 970134767	Merdrignac	Labelle	Acrostar	Int	90	+51	-5	49	94	+739	-0.32	-0.30	-0.01	+1	-3	+33	+0	-17	+64	85	+193	105	104	102	100	101	94	97	93	93	94	99	94	93				
Dek	NL 970159133	Ostwald	Winchester	Fatal	Int	87	+50	+2	28	91	+799	-0.03	+0.04	-0.01	+39	+38	+44	+251	+3	+37	82	+123	97	95	108	99	102	107	98	90	100	98	92	95	93				
Ves	IT 019500355190	San Fiorano Step Fibrax	Turlypin	Tugelo	Nat	98	+50	+2	2572	99	+652	-0.15	-0.03	-0.06	+14	+20	+24	+119	+0	+1	97	-49	96	104	101	100	104	100	94	99	99	102	106	101	104				
Dek	NL 970119207	Jesther	CV Mountain	Elton	Nat	98	+50	+1	7282	99	+1290	-0.55	-0.28	+0.12	+0	+17	+71	+91	+2	+1	99	+194	104	95	100	91	95	97	102	99	103	103	101	101	102				
ABS	UK 366192300459	Sherdon Irresistable	Maestro	Zelati	Int	83	+50	-20	51	91	-606	+0.73	+0.23	+0.01	+34	-2	-27	+55	-35	+20	73	+57	101	103	106	98	97	102	97	78	98	101	102	97	99				
CRV	US 135488612	Wa-Del Rice Holman	O Man	Mito	Nat	98	+49	-2	5318	99	+667	-0.33	-0.17	+0.03	-3	+7	+33	+32	-4	-50	99	+42	108	105	101	104	103	95	98	99	103	105	100	94	98				
CRV	NL 484260514	Lowlands Upgrade	Paramount	Dustin	Gnat	97	+48	+4	1854	99	+1444	-0.63	-0.20	-0.02	-3	+30	+64	+136	+0	+25	94	+60	95	96	99	94	101	105	101	99	100	100	109	104	107				
Sam	NL 893665027	Farmers Wish J.H. Mr. White	Maik	Bookie	Nat	90	+48	+27	348	96	+198	-0.11	-0.33	-0.02	-1	-23	+7	-94	+29	-64	82	+251	104	104	102	101	98	98	102	88	102	105	109	103	108				
CRV	NL 570534101	Delta Sherlock	RF Fidelity	Paramount	Gnat	98	+47	+11	3950	99	-10	+0.00	+0.02	+0.05	+0	+1	+4	+5	+23	+36	95	-55	106	97	100	97	104	97	97	99	98	101	106	108	107				
Alt	NL 233409942	Ijsselvlied Julius	Jocko	Lucky Leo	Nat	98	+46	+1	6463	99	+763	-0.33	-0.08	+0.02	+1	+19	+37	+91	+2	-4	99	+464	100	94	105	100	103	101	104	99	103	101	97	99	99				
Alt	NL 970187026	Valley-Drive Zesty Et	Bw Marshall	Star Patron	Nat	98	+46	-2	8952	99	+590	-0.36	-0.16	+0.11	-9	+6	+37	+17	+0	-21	99	+191	105	99	93	102	95	94	103	99	106	101	101	104	102				
WWS	US 52774524	Ralima Gold Crown	CD Goldwyn	O Man	Nat	97	+44	+2	1859	99	+392	+0.00	-0.01	+0.08	+17	+13	+25	+97	-6	-29	96	-20	99	104	106	105	101	111	94	99	102	106	103	98	102				
CRV	NL 777435607	Newhouse Spiceman	CV Royal	Celsius	Gnat	98	+43	+2	2978	99	+470	+0.39	+0.13	-0.10	+56	+28	+12	+236	+4	+93	99	+141	98	91	101	102	94	97	100	96	94	91	99	93					
CRV	NL 360454909	Delta Roppa	Abrian	Jocko	Gnat	98	+42	+4	5674	99	+540	-0.30	-0.01	+0.03	-5	+18	+27	+71	+0	+36	99	+56	91	103	100	97	103	104	103	99	94	95	109	100	102				
CRV	NL 371297106	Escalator	Lucente	Lava	Gnat	91	+41	-6	156	96	-455	-0.20	-0.20	+0.05	+1	-3	-25	-3	-7	-9	88	+165	100	105	94	92	100	104	97	90	100	103	108	100	105				
Sam	NL 538153368	Farmers Wish Ilbe Pirlo	RF Jetudo	Alves	Nat	95	+41	-7	897	98	-203	+0.18	+0.00	-0.07	+7	-7	-15	-19	-12	+13	90	-12	104	106	101	100	102	106	95	93	96	101	98	101	98				
CRV	NL 232136885	Katshaar Kirby	CV Ronald	Jabot	Gnat	98	+41	-1	16451	99	-46	-0.29	-0.03	+0.08	-27	-4	+5	-72	+0	-2	99	+292	104	102	102	95	88	96	103	99	108	105	98	102	103				
Sam	NL 201500129	Cosmo	Cash	Acrostar	Nat	98	+41	-2	4539	99	-537	+0.06	+0.02	+0.02	-18	-17	-23	-114	+0	+3	99	+288	97	106	102	102	94	98	109	99	95	99	104	101	101				
CRV	NL 216354702	Sand-Hill Delta Nevada	Novalis	Cash	Gnat	99	+40	-1	26696	99	+86	-0.10	-0.08	+0.00	-5	-4	+4	-26	+0	+31	99	+367	99	104	108	100	92	101	99	99	99	92	98	96	95				
CRV	NL 259840073	Delta Stilist	Novalis	Cash	Gnat	98	+38	-4	19529	99	+145	+0.25	+0.17	-0.06	+15	+10	-12	+69	+0	+40	99	+29	95	99	108	104	98	95	108	99	100	100	96	100	98				
CRV	NL 210154182	Lord Bailey	Lord Lily	Labelle	Gnat	98	+38	+7	4185	99	-201	+0.33	-0.14	-0.04	+38	-6	+6	+57	+4	+20	99	+89	106	97	100	97	89	95	95	99	103	98	100	102	102				
Alt	NL 385608329	Barnkamper Subliem	Kirby	Addison	Nat	97	+38	+8	2017	99	+625	-0.34	-0.11	+0.08	-5	+11	+36	+45	+2	-23	97	+192	103	104	99	100	100	103	95	97	108	105	102	95	102				
Alt	NL 362604676	Batenburg Jorik	Eminenz	Lucky Leo	Nat	98	+38	+5	8330	99	-148	+0.05	+0.14	+0.00	-2	+7	-7	+22	+0	-3	99	+65	97	105	104	95	103	99	102	99	104	100	99	99	100				
Sam	NL 737919394	Wegdelhorst Black Velvet	Advance	Prince	Nat	92	+36	-8	325	97	-123	+0.12	-0.03	+0.01	+5	-7	-5	-20	-7	+40	89	+52	99	105	97	99	104	94	102	88	100	98	96	103	99				
CRV	NL 262656584	Holm Rafael	CV Addison	Cash	Gnat	98	+35	+4	21014	99	+267	+0.21	+0.12	+0.03	+30	+20	+15	+150	+0	+51	99	-57	104	95	98	101	99	98	100	99	108	102	97	97	100				
K&L	NL 970115159	Jocko Besn	Besne Buck	Southwind	Nat	99	+35	+1	11093	99	+1194	-0.48	-0.15	-0.01	+3	+27	+53	+133	+2	-12	99	+205	97																

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

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Ki Stiernummer	Stiernaam	Erf. Vader	M-vader	B	N	Bt	NV1	+/-	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 Sire	MGS	S	N	Rel	NV1	+/-	daus	Rel	kgM	%P	%P	%L	kgF	kgP	kgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Ten	MS	LW	Rel	F	DS	U	F&L	T				
Melkdoel Zwart										Productie										€										Functioneel									
Alt US 62085114	Bosside Altaross	O Man	Boss	Nat		98	+19	-2	14938	99	-394	-0.09	-0.05	+0.06	-24	-18	-13	-128	+0	-54	99	+371	107	105	104	101	106	105	105	99	100	104	100	91	96				
CRV NL 461674583	Etazon Laurel	Blackstar	Sexation	Nat		98	+19	+8	11318	99	-363	-0.24	-0.10	-0.05	-36	-21	-21	-168	+0	-22	99	+394	107	104	101	91	106	107	100	99	105	102	102	99	102				
GGL NL 970132033	Jeff Et	Aerostar	Juror	Nat		97	+18	+5	1998	99	-830	+0.42	+0.15	-0.06	-2	-17	-43	-87	+0	+19	97	+237	104	98	107	108	104	106	100	99	96	102	100	103	101				
GGL NL 970179333	Jardin	Jocko	Tonic	Nat		98	+15	+5	3450	99	+706	-0.16	+0.12	-0.10	+15	+36	+23	+186	+0	-1	99	-76	98	97	102	99	103	98	97	99	96	101	103	93	97				
CRV NL 834961199	Veneriete Willis	Scout	Carousel Amos	Gnat		98	+15	+3	4260	99	-1009	+0.78	+0.30	+0.03	+18	-12	-44	-25	+0	+29	99	+105	108	97	95	102	98	105	98	99	94	100	101	101	99				
Ves IT 12990018692	Meridiana Fez	Ford	Skywalker	Nat		96	+13	-17	1561	99	+185	-0.07	-0.11	+0.11	+2	-3	+18	-3	+4	-29	94	+213	103	100	102	94	104	101	97	94	100	101	97	100	99				
Sem NL 970093165	Startmore Rudolph	Aerostar	Mattador	Nat		98	+13	-4	6655	99	+8	-0.28	-0.21	-0.05	-24	-18	-4	-125	+0	-16	99	+295	105	107	103	108	101	100	97	99	94	97	102	93	95				
Ves IT 006920009167	Alpag Iron Active	Boss Iron	Manfred	Nat		98	+12	+0	3302	99	-66	+0.12	-0.10	-0.07	+8	-11	-9	-31	+0	+2	99	+284	100	104	106	106	94	96	95	99	98	102	100	94	97				
CRV NL 970130462	Magnus	Pontiac	Ned Boy	Nat		94	+12	+2	2931	99	-663	+0.24	+0.05	+0.00	-9	-19	-30	-106	+4	+17	92	-23	98	103	103	107	105	95	99	95	98	97	111	102					
CRV NL 777434192	Newhouse Sneeky	CV Jimtown	Sunny Boy	Gnat		98	+11	+3	8873	99	+378	-0.07	-0.07	-0.01	+10	+7	+16	+55	+0	+70	99	+102	99	103	98	104	98	100	103	99	92	94	90	90	86				
SZO IT 019990815781	Go-Farm Royal Eudon	Million	Shottle	Int		85	+11	-27	131	92	+466	+0.07	-0.22	+0.00	+26	-4	+21	+45	+3	-60	77	+106	101	101	97	99	103	104	90	105	106	110	93	104					
CRV NL 352127675	Ruud 115 Wilson	Spock	Lucky Leo	Gnat		98	+11	+27	4223	99	-348	+0.13	+0.06	-0.01	-4	-7	-17	-42	+0	-17	99	+91	94	104	102	98	106	105	100	99	103	105	101	106	105				
Alt NL 284985758	Nederhorst Darwin	Addison	Labelle	Nat		98	+10	+5	7914	99	+106	+0.16	-0.02	+0.18	+19	+2	+21	+54	+4	+64	99	-38	102	96	100	102	99	103	102	99	97	97	99	97	97				
NL 931248841	Leo	Lonar	Basar	Nat		83	+10	-12	116	92	+215	-0.05	-0.12	-0.05	+5	-3	+5	+0	+2	+47	75	+221	102	99	101	99	101	100	100	71	97	96	101	93	95				
Dek NL 970110628	Nietcove	Star Patron	Oscar	Nat		97	+10	-1	1582	99	-452	+0.23	-0.03	-0.05	+0	-18	-25	-81	-2	-31	97	+126	101	104	100	101	107	105	99	99	108	102	105	101	106				
CRV NL 330064778	Delta Onedin	Cello	Fatal	Gnat		98	+9	+7	23275	99	-564	+0.43	+0.25	-0.13	+11	+1	-36	+16	+0	-8	99	-283	99	102	101	102	100	98	105	99	104	106	100	101	103				
Sem CA 9669685	Misty Springs Superpower	Bonair	Shottle	Nat		93	+6	-1	1198	97	+646	-0.06	-0.23	+0.00	+22	+1	+29	+59	+4	-4	88	+104	103	98	96	98	107	95	97	96	106	106	102	96	102				
Ves NL 970187002	Cervi Woodstock	CD Titanic	Tugolo	Nat		98	+6	+2	2062	99	-603	+0.44	+0.13	+0.04	-10	-10	-24	-27	+0	+67	97	-110	94	103	104	101	104	97	102	99	93	97	106	99	100				
Mas US 61720218	Khv Elm-Park Acme	RF CD Talent	Durham	Nat		97	+6	+7	1935	99	-419	-0.01	+0.04	+0.01	-19	-11	-18	-90	+7	-30	96	+113	99	104	98	103	95	106	101	99	103	106	111	100	108				
CRV NL 104666355	Honey Lu Border	HY Prelude	Cleitus	Gnat		98	+6	-3	2551	99	-1244	+0.88	+0.12	-0.03	+13	-34	-59	-130	-2	-11	99	+38	104	102	100	96	98	95	107	99	96	97	100	102	99				
ABS NL 970179559	Moroville Addison Banker	Addison	Manfred	Nat		97	+4	+5	1526	99	+826	-0.45	-0.09	+0.01	-8	+20	+39	+77	+0	-50	96	-119	106	98	102	97	101	99	94	98	108	106	99	98	102				
Sem NL 970178176	Bofran Lucky Star	Estimate	Rudolph	Nat		97	+4	+7	1530	99	-840	+0.65	+0.07	+0.04	+16	-24	-35	-75	+4	+7	97	+169	96	105	101	98	105	106	101	99	103	102	107	97	103				
CRV NL 260368346	Green-Valley Obelisk	BR Basar	Cash	Gnat		99	+2	+0	17226	99	-144	-0.09	-0.01	-0.04	-14	-6	-10	-57	+0	+6	99	-130	100	100	95	98	94	96	110	99	100	103	99	105	103				
CRV NL 791229118	Proud	HY Prelude	Cleitus	Gnat		98	+1	+2	16353	99	-54	+0.04	-0.17	+0.02	+1	-17	-1	-68	+0	-26	99	+149	105	100	96	89	103	99	105	99	105	104	98	99	101				
CRV NL 319957882	Delta Lava	BL CV Ugela Bell	Cleitus	Gnat		98	+1	-2	45165	99	-596	+0.14	+0.11	-0.01	-14	-12	-28	-87	+0	+26	99	+216	98	101	91	98	90	98	103	99	89	102	105	104	102				
GGL NL 292911026	Emil 2	Emerson	Esquimau	Nat		97	+0	-1	2388	99	+154	+0.16	+0.04	+0.04	+21	+9	+11	+84	+0	+18	97	+197	103	99	93	95	105	101	94	99	99	101	96	93	94				
CRV NL 465480580	Ganvo Prospect	Jefferson	O Man	Gnat		90	-3	-17	135	95	+1296	-0.49	-0.17	-0.11	+6	+28	+48	+142	-4	+62	86	+31	95	100	101	106	98	97	97	91	97	94	94	90	90				
ABS IT 028990195876	Guthi Jeeves Airgon	Jeeves	Jenny Lou	Nat		92	-6	-17	858	96	+433	+0.15	-0.12	+0.04	+32	+4	+23	+91	-28	-63	86	+189	101	98	86	94	102	101	93	95	106	103	103	101	104				
CRV NL 721221966	Woeste Polder Black Gold	RF Redgold	Fitlist	Nat	2n	81	-7	-4	105	89	-545	-0.23	+0.13	-0.06	-42	-8	-30	-130	+18	-46	74	+254	100	101	103	98	97	98	104	81	101	102	95	106	101				
Sam NL 533851708	Heuvel Vertongen	RF Lucative	Paramount	Nat		89	-8	-32	330	95	+1006	-0.34	+0.00	-0.02	+10	+35	+44	+178	-18	-26	83	-155	96	98	101	96	103	100	91	88	104	105	100	98	101				
Mas NL 449373721	Boswell	Buckeye	Outside	Nat		87	-11	+9	116	93	+4	-0.18	-0.13	+0.08	-16	-11	+7	-77	+3	-59	83	+35	101	102	99	103	99	91	101	78	106	101	107	100	106				
Toe NL 890130180	Delthe Ezra 2 Rf	RF Timotheus	Delthe Jains	Nat		80	-14	+7	105	90	-1343	+0.42	+0.04	-0.10	-26	-44	-69	-256	+26	-12	71	+384	99	111	102	102	94	100	103	65	96	98	89	101	93				
NL 548193569	Hopeful Eighthron	Eight	Ronald	Nat		80	-26	-23	145	89	-667	+0.18	+0.20	+0.04	-14	-7	-27	-66	-13	-17	72	-76	107	102	92	96	100	89	101	75	98	105	95	96	95				
Sam NL 644311313	Brakels Bobax	BR Altabaxter	Bonatus	Nat		94	-44	-9	760	98	-183	+0.24	+0.10	-0.17	+13	+2	-23	+29	-2	-19	92	-262	95	97	100	99	103	92	101	92	103	103	107	99	105				
Dek FR 4437472239	Amerit Dt	Merinit	Jocko	Nat		81	-52	-3	67	90	+554	-0.17	-0.20	-0.13	+8	+1	+13	+25	+5	+3	76	-134	99	94	104	99	101	102	99	76	98	101	94	99	96				
Viv DE 0354064958	Vivax Leverage	Stuurman-Duu	Scooby-Duu	Nat		82	-52	-7	100	91	-1154	+0.17	+0.08	+0.14	-36	-34	-42	-228	+10	-30	74	-32	103	105	108	98	103	91	95	75	100	102	105	98	102				
CRV NL 386834026	Elagaaster Casino	Dynasty	Addison	Gnat		91	-61	+7	160	96	+436	-0.24	+0.01	+0.02	-4	+16	+22	+64	+15	+7	87	-208	100	95	98	98	101	98	100	91	100	100	90	95	92				
CRV NL 416227147	Green-Valley Frost	Dawson	Jocko	Gnat		89	-66	+26	132	97	+463	-0.43	-0.12	-0.03	-20	+5	+18	-16	+10	+20	70	-163	93	97	99	97	104	103	99	92	105	102	103	100	103				