

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

NVI melkdoel = 0,37\*Inet+0,07\*lvd+5,5\*UGH+6,5\*VRU+2,0\*Uier+2,5\*Beenwerk+2,0\*GEB+3,0\*KGH+0,37\*BVK  
NVI dubbeldoel = 0,33\*Inet+0,09\*lvd+5,7\*UGH+5,5\*VRU+5,5\*Uier+5,5\*Beenwerk+2,0\*GEB+5,0\*VL

Perspublicatie stierindexen Zwartbont

Ki Ai	Stiernummer Bull number	Stiername Bull name	Erf-fact Her-fact	Vader Sire	M-vader MGS	B S	N N	Bt Rel	NVI NVI	+/- +/-	dtrs daus	Productie											BVK SECM	Bt Rel	Lvd Lon	Ugh Udh	Vru Fer	Gin Cal	Geb DCE	KA Temp	MS MS	Kgh CLW	Bt Rel	Exterieur				
												Bt Rel	NVI NVI	+/- +/-	dtrs daus	Bt Rel	kgM kgM	%V %F	%E %P	%L %L	kgV kgF	kgE kgP												kgL kgL	INET INET	+/- +/-	€	F F
CRV	NL 671125486	<b>Delta Reloader</b>		Finder	G-Force	Gnat		93	<b>+339</b>	<b>+29</b>	442	96	+1567	-0,13	-0,15	+0,05	+53	+39	+77	<b>+294</b>	<b>+43</b>	€3	90	+844	110	104	108	104	102	96	107	97	96	98	105	105	104	
CRV	NL 965020345	<b>Willen's Hoeve Woody</b>		Jansz	Jetset	Gnat		93	<b>+269</b>	<b>+2</b>	1470	92	+2126	+0,03	+0,02	+0,03	+93	+76	+107	<b>+539</b>	<b>+22</b>	+27	84	+401	108	92	104	102	101	96	109	99	94	106	110	109	112	
Syn	DE 0361838685	<b>Ricreas</b>		Ricreas	Bandaroes	Gnat	Gn	76	<b>+229</b>	<b>-8</b>	149	84	+1330	+0,02	+0,01	+0,01	+93	+41	+60	<b>+345</b>	<b>-49</b>	-2	79	+836	104	107	95	100	100	106	88	101	104	105	103	105	105	
CRV	NL 895652300	<b>Capnation Benello</b>		Bernell	Balisto	Gnat		93	<b>+287</b>	<b>+5</b>	515	98	+785	+0,02	+0,04	+0,03	+35	+31	+39	<b>+212</b>	<b>+19</b>	+40	90	+667	111	105	105	102	101	97	107	97	95	96	104	106	103	
Tot	CA 12610944	<b>Alexerin Charm</b>		Dg Charley	Altaispring	Gnat		87	<b>+283</b>	<b>+71</b>	252	93	+1864	-0,08	-0,02	+0,10	+71	+63	+96	<b>+436</b>	<b>+35</b>	+29	85	+271	104	105	106	102	101	97	108	92	100	105	103	98	101	
Syn	NL 872871665	<b>Summerlake</b>		Dg Charley	Balisto	Gnat		87	<b>+278</b>	<b>+74</b>	211	94	+990	+0,45	+0,12	+0,07	+86	+46	+52	<b>+385</b>	<b>+73</b>	+19	86	+400	109	103	99	104	102	92	104	93	101	103	106	104	106	
WWS	US 3148279820	<b>Twin-Ridge Revelation</b>		Solution	Jedi	Nat		76	<b>+271</b>	<b>+90</b>	56	83	+1433	-0,06	-0,11	+0,20	+55	+39	+86	<b>+301</b>	<b>+46</b>	+19	78	+831	110	102	106	100	102	98	103	87	101	100	109	95	102	
Alt	NL 685695366	<b>Peak Altazarek-Et</b>		Altatopshot	Rubicon	Nat		89	<b>+269</b>	<b>+49</b>	387	93	+1643	+0,20	+0,02	+0,14	+91	+59	+90	<b>+460</b>	<b>+48</b>	+58	85	+634	101	101	98	104	105	103	107	93	94	98	107	96	99	
CRV	NL 729539557	<b>Weelder Empire</b>		Bravo	G-Force	Gnat		88	<b>+266</b>	<b>+37</b>	10935	99	+209	+0,38	+0,20	-0,02	+43	+25	+8	<b>+195</b>	<b>+26</b>	+60	97	+585	109	104	106	108	97	90	107	99	93	90	101	108	101	
Alt	US 73953444	<b>Bomaz Altatopshot</b>		Supershot	Altaembassy	Nat		92	<b>+264</b>	<b>-20</b>	454	98	+1523	+0,21	+0,14	+0,02	+86	+67	+72	<b>+477</b>	<b>-13</b>	-8	91	+342	103	104	106	101	104	96	107	96	103	105	99	95	98	
ABS	CA 110807391	<b>Dexpro Mojo</b>		Medley	Jedi	Nat		80	<b>+261</b>	<b>+85</b>	87	85	+1299	+0,04	+0,10	+0,12	+59	+55	+71	<b>+371</b>	<b>+93</b>	-23	77	+992	108	103	99	96	100	98	103	83	105	105	106	92	101	
Syn	NL 715952290	<b>Topstone</b>		Altatopshot	Rubicon	Nat		84	<b>+261</b>	<b>-2</b>	179	91	+1607	-0,14	-0,04	+0,08	+54	+52	+82	<b>+351</b>	<b>-22</b>	-8	84	+511	106	103	105	99	99	98	106	93	105	106	105	103	107	
CRV	NL 666841779	<b>Delta Epsilon</b>		Sunfit P	Topgear	Gnat		83	<b>+260</b>	<b>+3</b>	114	89	+1541	+0,16	+0,04	+0,09	+82	+58	+80	<b>+434</b>	<b>+66</b>	+4	83	+639	107	96	99	99	98	99	104	93	97	101	109	105	107	
K&L	DK 05622204110	<b>Vh Bube Bernell</b>		Bube	Vh Tolstrupgaard	Gnat		95	<b>+260</b>	<b>+13</b>	2377	99	+947	-0,18	+0,00	+0,01	+23	+33	+44	<b>+197</b>	<b>+14</b>	+76	94	+547	105	108	101	101	99	96	110	90	105	101	105	102	107	
CRV	NL 946221484	<b>Delta Treasure</b>		Finder	G-Force	Gnat		97	<b>+260</b>	<b>+37</b>	3153	99	+514	+0,02	-0,04	+0,04	+24	+14	+27	<b>+116</b>	<b>+32</b>	+44	95	+772	109	108	107	105	105	99	101	99	94	98	108	105	105	
STG	US 3133483358	<b>Siemers Charley Merryguy</b>		Dg Charley	Montross	Nat		76	<b>+259</b>	<b>+46</b>	17	83	+2470	-0,20	-0,18	+0,03	+82	+66	+109	<b>+476</b>	<b>+44</b>	+39	79	+435	103	105	100	101	104	101	98	98	100	106	97	101		
Alt	US 3147224052	<b>Peak Altaleg</b>		Quantum	Altaispring	Nat		80	<b>+258</b>	<b>+77</b>	69	85	+804	+0,15	+0,24	+0,05	+49	+51	+42	<b>+325</b>	<b>+137</b>	+14	77	+592	109	103	105	100	103	97	104	82	100	102	109	93	101	
WWS	US 3142325034	<b>Trent-Way-Js Ronald</b>	RF	Salvatore Rc	Salvatore Rc	Nat		89	<b>+258</b>	<b>+73</b>	463	93	+1160	-0,16	-0,08	+0,08	+33	+32	+61	<b>+219</b>	<b>+64</b>	+28	85	+583	106	106	103	103	102	105	95	92	100	112	101	104	105	
CRV	BE 418630184	<b>Delta Lawrence</b>		Trust	Barley	Gnat	Gn	94	<b>+257</b>	<b>+39</b>	339	89	+984	+0,02	+0,13	+0,06	+44	+47	+51	<b>+300</b>	<b>-78</b>	+84	83	+421	101	104	104	105	103	102	107	93	97	98	106	105	105	
Sem	CA 12857528	<b>Silveridge V Einstein</b>		Topnotch	Duke	Nat		78	<b>+255</b>	<b>+55</b>	52	86	+1065	+0,22	+0,10	+0,03	+67	+49	+52	<b>+357</b>	<b>+13</b>	-10	79	+557	104	106	104	100	103	96	107	90	105	105	110	91	103	
CRV	NL 648817776	<b>Trivand Natan</b>		Adagio-P	Doorsopen	Gnat		86	<b>+255</b>	<b>+12</b>	611	91	+1541	-0,13	-0,05	-0,06	+52	+48	+64	<b>+325</b>	<b>+6</b>	-23	85	+180	106	105	104	100	94	93	108	96	97	105	109	106	108	
Alt	US 3142181416	<b>Peak Altaabba</b>		Blowtorch	Rubicon	Nat		85	<b>+254</b>	<b>+49</b>	264	92	+1752	+0,04	-0,15	+0,04	+79	+45	+84	<b>+376</b>	<b>+85</b>	-1	83	+514	104	106	106	100	103	100	98	90	102	104	106	100	104	
CRV	NL 710287748	<b>Delta Founder</b>		Nobel	Jupiler	Gnat	Gn	81	<b>+253</b>	<b>+7</b>	88	87	+1464	-0,42	-0,05	+0,03	+19	+46	+70	<b>+250</b>	<b>-33</b>	+3	82	+517	106	106	105	102	99	97	106	91	105	104	104	106	107	
Alt	US 3138499077	<b>Peak Altaaltue</b>	RF	Salvatore Rc	Monterey	Nat		86	<b>+251</b>	<b>-12</b>	214	93	+2018	-0,14	-0,07	+0,04	+70	+63	+97	<b>+434</b>	<b>-12</b>	+20	84	+495	105	100	105	102	101	97	100	91	96	102	104	101	102	
CRV	NL 738287780	<b>Weelder Esperanto</b>		Final	G-Force	Gnat		97	<b>+251</b>	<b>+3</b>	3963	99	+1325	-0,19	-0,10	-0,04	+37	+36	+56	<b>+242</b>	<b>+13</b>	+76	97	+476	102	103	104	104	99	103	110	99	95	99	107	107	106	
CRV	NL 731719510	<b>Willen's Hoeve Rapper</b>		Esperanto	Jetset	Gnat		82	<b>+250</b>	<b>-9</b>	39	89	+1220	+0,17	+0,06	+0,03	+69	+48	+59	<b>+389</b>	<b>+33</b>	-14	84	+537	105	98	106	99	103	101	110	92	104	107	108	105	109	
CRV	NL 678449129	<b>Delta Eloy</b>	RF	Cauzzi	Finder	Gnat		87	<b>+250</b>	<b>-8</b>	1887	90	+538	+0,54	+0,14	+0,03	+73	+32	+27	<b>+293</b>	<b>-10</b>	-39	85	+358	105	105	105	101	101	88	106	92	104	105	113	111	111	
Syn	DE 0360324663	<b>Gywer</b>	RF	Gymnast	Lobach	Gnat		86	<b>+249</b>	<b>+56</b>	150	93	+2169	-0,39	-0,10	-0,01	+49	+64	+98	<b>+395</b>	<b>+54</b>	+2	84	+398	105	104	106	106	96	95	104	93	97	101	107	93	99	
Kam	NL 648498303	<b>Koepen Random</b>		Ranger	Board	Gnat		88	<b>+249</b>	<b>+23</b>	898	92	+899	+0,36	+0,24	+0,04	+73	+55	+45	<b>+392</b>	<b>+7</b>	-10	87	+205	101	99	102	100	102	103	109	97	105	103	109	118	116	
ABS	NL 3141486470	<b>Delta Supreme Entity</b>		Quantum	Rubicon	Nat		92	<b>+249</b>	<b>+46</b>	18	89	+2473	-0,30	-0,17	+0,03	+82	+41	+76	<b>+386</b>	<b>+24</b>	+81	+396	105	106	105	100	105	100	99	100	99	100	99	100	99	99	
ABS	NL 742757381	<b>K&amp;I Oh Ballwether</b>		Altatopshot	Silver	Nat		85	<b>+249</b>	<b>+32</b>	280	91	+817	+0,40	+0,19	+0,14	+64	+39	+41	<b>+307</b>	<b>-13</b>	+11	83	+309	107	105	102	100	104	99	101	92	97	104	107	107	107	
ABS	US 3138277108	<b>Cal Roy-Al Yoda</b>		Jedi	Woodcrest Mogul	Gnat		91	<b>+248</b>	<b>+23</b>	430	96	+1338	+0,22	+0,04	+0,11	+79	+51	+72	<b>+397</b>	<b>+22</b>	+10	88	+637	103	100	106	100	107	102	102	95	102	104	108	101	106	
Tot	NL 674527779	<b>Retraitehoeve Hero</b>		Superhero	Montross	Gnat		84	<b>+247</b>	<b>-7</b>	98	91	+1460	+0,09	+0,11	+0,13	+71	+62	+80	<b>+427</b>	<b>+24</b>	+28	83	+436	104	103	102	100	103	102	105	89	105	106	104	92	100	
Alt	US 3131664037	<b>Peak Alta depot</b>		Hotshot	Montross	Gnat		88	<b>+247</b>	<b>+29</b>	83	93	+429	+0,24	-0,10	+0,13	+40	+6	+32	<b>+118</b>	<b>+6</b>	+29	85	+784	115	107	103	100	93	92	103	90	97	98	101	97	98	
Tot	US 3142041200	<b>Mr Frazzled Aristocrat</b>		Frazzled	Co-Op Day Tuffe	Nat		82	<b>+246</b>	<b>+69</b>	125	90	+1527	-0,05	-0,11	+0,03	+60	+42	+73	<b>+320</b>	<b>+93</b>	-14	82	+409	109	105	107	98	102	97	101	92	99	102	109	95	102	
STG	US 3132352407	<b>St Gen Superhero Swift</b>		Superhero	Co-Op Day Tuffe	Nat		79	<b>+245</b>	<b>+56</b>	53	87	+1686	-0,22	-0,01	+0,09	+48	+58	+86	<b>+364</b>	<b>+68</b>	-10	78	+622	104	103	103	97	104	106	85	100	104	110	101	106	106	
CRV	NL 665667174	<b>Delta Floris</b>		Empire	Reflector	Gnat		90	<b>+245</b>	<b>+29</b>	385	95	-21	+0,46	+0,14	-0,07	+40	+12	-7	<b>+131</b>	<b>+6</b>	+7</																

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

NVI melkdoel = 0,37\*Inet+0,07\*lvd+5,5\*UGH+6,5\*VRU+2,0\*Uier+2,5\*Beenwerk+2,0\*GEB+3,0\*KGH+0,37\*BVK  
NVI dubbeldoel = 0,33\*Inet+0,09\*lvd+5,7\*UGH+5,5\*VRU+5,5\*Uier+5,5\*Beenwerk+2,0\*GEB+5,0\*LV

### Persoonlijcke stierindexen Zwartbont

Ki	Stiernummer	Stiername	Erf-fact	Vader	M-vader	B	N	Bt	NVI	+/-	Productie										BVK		Bt	Lvd	Ugh	Vru	Gin	Geb	KA	MS	Kgh	Bt	F	T	U	B	Ext		
											Rel	NVI	+/-	dtrs	Bt	kgM	%V	%E	%L	kgV	kgE	kgL																INET	+/-
Ai	Bull number	Bull name	Her-fact	Sire	MGS	S	N	Rel	NVI	+/-	dtrs	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SECM	Rel	Lon	Udh	Fer	Cal	DCE	Temp	MS	CLW	Rel	F	DS	U	F&L	T		
Alt	US 313291895	G-Deruyter Altinat		Jedi	Kingboy	Nat		82	+223	+6	73	89	+1586	-0,47	-0,07	+0,02	+18	+48	+75	+257	-14	€	€	76	+524	108	108	104	95	101	98	99	76	100	100	105	88	96	
CRV	NL 646871474	Bakkele Sturman		Rafey P Rf	Balisto	Gnat		89	+222	+10	209	95	+1249	+0,27	+0,11	+0,03	+80	+54	+89	+411	-6	+80	81	+368	103	97	98	92	103	100	105	94	99	99	100	102	101		
ABS	NL 715962043	Salvatore Schmeer	RF	Salvatore Rc	Rubicon	Nat		83	+222	+49	115	90	+1844	-0,19	-0,06	+0,04	+44	+91	+306	+6	-11	83	+546	103	103	102	105	107	106	90	100	103	108	103	106	106	106	106	
Syn	NL 75076885	Veenhuizer K&I Jameson		Jetset	Balisto	Gnat		82	+222	+43	28	89	+997	+0,02	+0,06	+0,08	+44	+41	+53	+234	+50	-1	84	+869	109	97	101	104	105	101	103	90	102	102	113	97	106	106	
ABS	DE 053892053	Dg Charley		Supershot	Mogul	Gnat		92	+222	+44	128	97	+1286	-0,24	-0,08	+0,04	+30	+37	+63	+234	+33	+57	91	+465	105	106	106	102	101	95	102	96	96	97	101	98	98		
Tot	DE 0540362468	Calvin		Casino	Finder	Gnat		78	+221	-30	57	85	+1781	-0,16	-0,11	-0,03	+59	+50	+78	+352	-37	+7	81	+532	101	101	104	107	99	103	105	90	99	100	103	104	103		
Alt	US 3129037884	Mr Salvatore	RF	Supershot	Dymenholm S Sy	Nat		92	+221	+6	221	97	+1994	-0,40	-0,30	+0,13	+41	+37	+105	+269	-12	+4	90	+408	107	103	103	105	102	93	103	96	100	106	108	101	106		
CRV	NL 921967114	Bov FINDER		Balisto	Epic	Gnat		98	+221	+17	17569	99	-148	+0,46	+0,14	+0,09	+34	+7	+1	+109	+13	+13	99	+630	109	104	109	104	101	98	106	99	102	102	103	107	106		
CRV	NL 75356472	Delta Castor		Barclay	Atlantic	Gnat		95	+220	+20	2120	98	+1111	-0,02	-0,22	-0,08	+45	+61	+43	+358	+29	+44	91	+202	101	101	102	98	103	97	108	99	101	102	105	103	105	106	
Alt	US 3138766709	Aardema Altanixie		Altarobson	Woodcrest Mogul	Nat		79	+220	+37	116	90	-14	+0,87	+0,46	-0,15	+76	+40	-14	+319	+22	-5	78	+435	102	104	105	98	102	106	83	101	102	108	104	107	105		
Tot	US 3138948156	Aurora Mitchell		Mitchell	Bomboro	Nat		88	+220	+40	410	94	+951	+0,13	+0,01	-0,05	+53	+34	+39	+262	+50	-4	84	+298	107	103	103	101	102	102	105	93	99	100	111	101	106		
Sem	US 3141495129	Siemens Darwin		Superhero	Silver	Nat		90	+218	+39	508	95	+1524	+0,03	-0,10	+0,08	+68	+43	+78	+343	+26	-29	86	+348	102	104	102	100	100	103	104	95	103	106	111	101	108		
CRV	NL 660112422	Diepenhoek Citadel		Balisto	Altabanco	Gnat		93	+218	+12	654	98	+171	+0,07	+0,07	-0,17	+13	+23	+6	+123	+9	+13	90	+459	104	111	107	104	101	101	106	97	98	101	104	101	102		
CRV	US 3145229850	Peak Lukaku		Eldorado	Rubicon	Gnat		84	+217	+36	77	87	+1171	-0,12	-0,16	+0,17	+62	+25	+71	+254	+20	+20	83	+811	105	99	106	104	102	101	102	90	103	104	105	104	106		
CRV	NL 869710894	Midwouter Martin		Adorbale	Malki	Gnat		91	+214	-8	1018	99	+1932	-0,20	-0,23	-0,07	+63	+66	+53	+428	+17	+16	87	+187	98	99	99	101	105	105	108	99	103	104	107	106	108		
Kam	NL 632592108	Vdr Sting		Barclay	Barclay	Gnat	Gn	83	+214	+76	188	89	+1293	+0,13	+0,17	-0,08	+68	+62	+51	+412	+17	+24	84	+423	102	94	104	102	99	99	97	106	91	100	102	105	106	108	
K&L	US 69763386	View-Home Day Missouri		Day	Roylane Socra R	Nat		93	+214	+11	384	98	+2609	-0,64	-0,26	-0,09	+37	+61	+109	+381	+21	+57	93	+420	103	105	100	105	100	95	98	102	96	87	93	105	95	95	
WWS	US 70071611	S-S1 Mogul Reflector		Mogul	Super	Nat		97	+214	+9	5228	99	+1004	-0,23	-0,05	-0,01	+20	+40	+45	+220	+6	+10	96	+489	102	103	104	96	108	107	107	99	103	101	109	107	110		
Sem	CA 12192429	Silveridge V Eugenio		Supershot	Mocutchen	Nat		93	+214	+33	413	98	+1394	-0,19	-0,25	+0,06	+40	+23	+70	+199	+10	-4	91	+384	105	106	107	100	103	101	104	95	100	103	110	101	106		
CRV	NL 565103198	Delta Jigger		Esperanto	Reflector	Gnat		94	+214	+38	8107	96	+220	+0,05	+0,07	-0,04	+14	+14	+6	+89	+68	+13	91	+781	105	103	101	103	103	97	111	99	101	102	108	110	110		
Alt	CA 13024756	Progenesis Altapledge		Guarantee	Jedi	Nat		80	+213	+35	105	86	+1022	+0,17	+0,19	-0,05	+60	+54	+42	+360	+42	+18	74	+487	104	104	107	101	104	102	99	77	98	99	104	89	96		
Alt	US 3138125233	Kp-Ack Altamorison		Altarobson	Montross	Nat		81	+213	+57	134	88	+724	+0,49	+0,17	+0,05	+78	+41	+38	+343	+23	-7	80	+245	105	106	102	100	105	99	100	85	106	103	102	99	103		
CRV	NL 659618111	Delta Relevant		Altarobson	Chevrolet	Gnat		95	+213	+4	569	89	+749	+0,35	+0,17	-0,03	+65	+42	+31	+318	-1	+51	94	+493	109	98	105	103	102	103	95	97	100	101	104	104	102		
CRV	NL 632593588	Delta Paddock PP	PP	Sunff P	Laurent P Rf	Gnat	Gn	83	+213	+48	234	88	+602	+0,18	-0,00	-0,09	+43	+21	+19	+182	+28	-5	83	+417	107	101	102	104	101	97	112	91	101	99	103	111	108		
CRV	BE 413723696	Barnkamper Majestic		Simba	Montross	Gnat		88	+212	+39	908	91	+739	-0,21	-0,08	+0,00	+11	+18	+34	+107	+25	+82	86	+649	105	105	103	105	102	98	110	91	93	90	104	97	97		
ABS	US 314194296	Abs Grimson		Spectre	Rubicon	Nat		87	+210	+79	189	92	+1253	+0,34	+0,01	+0,04	+87	+45	+61	+386	+86	+13	84	+592	106	100	103	100	100	100	95	92	105	103	101	98	101		
DE	0539898941	Fighter		Finder	Racer	Gnat		82	+210	+25	52	89	+1537	-0,18	-0,02	+0,07	+47	+51	+77	+331	+34	+47	84	+475	101	100	106	102	102	105	103	90	97	101	105	100	102		
WWS	US 3145055197	S-S1 Bg Frazzed Speedy		Frazzed	Marty	Nat		78	+210	+37	52	86	+1859	-0,23	-0,22	-0,03	+54	+41	+82	+306	+70	+10	79	+618	109	101	106	99	104	97	87	101	100	102	91	97			
CRV	NL 593401100	Delta Yeti	RF	Endurance	Silver	Gnat		89	+209	+13	1035	93	+799	+0,28	+0,12	+0,01	+61	+39	+37	+299	+4	-19	87	+429	104	103	104	101	106	99	104	89	102	106	103	103	105		
ABS	US 314512007	Apra Bluebe		Spectre	Mr Mogul Delta	Nat		84	+208	+8	189	93	+1093	-0,48	-0,19	+0,01	+82	+34	+51	+402	+19	+10	84	+199	104	101	103	100	105	99	101	91	105	102	106	107	108		
Ves	NL 595849688	Mars Frassinio		Toggear	Missouri	Nat		86	+208	+24	295	93	+1469	-0,40	-0,04	-0,17	+21	+47	+50	+252	+58	-8	85	+538	108	99	98	96	87	85	109	91	100	104	108	105	108		
CRV	NL 884786706	Delta Yes		Ranger	Malki	Gnat		87	+208	+39	418	91	+903	-0,18	-0,05	+0,09	+56	+27	+50	+243	-4	+17	86	+183	101	104	100	102	103	95	109	96	108	106	109	109	113		
ABS	US 3141559636	Denovo 14242 Kokomo		Blowtorch	Mr Mogul Delta	Nat		88	+208	+29	636	94	+1546	-0,26	-0,24	-0,05	+39	+29	+76	+224	+40	-20	84	+474	107	107	103	99	103	104									

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

NVI melkdoel = 0,37\*Inet+0,07\*lvd+5,5\*UGH+6,5\*VRU+2,0\*Uier+2,5\*Beenwerk+2,0\*GEB+3,0\*KGH+0,37\*BVK  
NVI dubbeldoel = 0,33\*Inet+0,09\*lvd+5,7\*UGH+5,5\*VRU+5,5\*Uier+5,5\*Beenwerk+2,0\*GEB+5,0\*VLI

Perspublicatie stierindexen Zwartbont

Table with columns: Ki Stiernummer, Stiername, Erf-fact, Vader, M-vader, B, N, Bt, NVI, +/-, dtrs, Bt, kgM, %V, %E, %L, kgV, kgE, KgL, INET, +/-, BVK, Bt, Lvd, Ugh, Vru, Gin, Geb, KA, MS, Kgh, Bt, F, T, U, B, Ext. Includes sub-sections: Melkdoel Zwart, Productie, and Exterieur.

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

NVI melkdoel = 0,37\*Inet+0,07\*lvd+5,5\*UGH+6,5\*VRU+2,0\*Uier+2,5\*Beenwerk+2,0\*GEB+3,0\*KGH+0,37\*BVK  
NVI dubbeldoel = 0,33\*Inet+0,09\*lvd+5,7\*UGH+5,5\*VRU+5,5\*Uier+5,5\*Beenwerk+2,0\*GEB+5,0\*VLI

Perspublicatie stierindexen Zwartbont

December 2023

Table with columns: Ki Stiernummer, Stiername, Erf-fact, Vader, M-vader, B, N, Bt, NVI, +/-, dtrs, Bt, kgM, %V, %E, %L, %K, %G, KGL, INET, +/-, BVK, Bt, Lvd, Ugh, Vru, Gin, Geb, KA, MS, Kgh, Bt, F, T, U, B, Ext. Rows include various sire names like Heidenskipster Spitfire, Delta Fitness, Venetiair Viggo, etc.

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

NVI melkdoel = 0,37\*Inet+0,07\*lvd+5,5\*UGH+6,5\*VRU+2,0\*Uier+2,5\*Beenwerk+2,0\*GEB+3,0\*KGH+0,37\*BVK  
 NVI dubbeldoel = 0,33\*Inet+0,09\*lvd+5,7\*UGH+5,5\*VRU+5,5\*Uier+5,5\*Beenwerk+2,0\*GEB+5,0\*VLI

**Publicatie stierindexen Zwartbont**

**December 2023**

Ki	Stiernummer	Stiernamen	Erf-fact	Vader	M-vader	B	N	Bt	NVI	+/-	dtrs	Bt	kgM	%V	%E	%L	kgV	kgE	Kgl	INET	+/-	BVK	Bt	Lvd	Ugh	Vru	Gin	Geb	KA	MS	Kgh	Bt	F	T	U	B	Ext										
																																						Ai	Bull number	Bull name	Her-fact	Sire	MGS	S	N	Rel	NVI
																												<b>Productie</b>										<b>Exterieur</b>									
																												<b>pnt</b>										<b>€</b>									
WWS	US 3139198083	Cookiecutter Highte		Copycat	Mr Mogul Delta	Nat		80	+151	+56	141	87	+895	+0,14	-0,14	+0,11	+52	+18	+52	+199	+69	€	79	+484	107	102	104	96	102	102	96	89	95	98	107	87	95										
CGI	DE 0122993464	Stavello	RF	Styxx	Galaxy	Gnat		82	+151	+46	87	89	+835	-0,33	-0,12	+0,12	+4	+16	+27	+82	+22	€	82	+272	104	107	102	103	96	99	103	89	94	97	106	104	103										
STG	US 3132351503	St Gae-1st Grade Colby		1st Grade	Capital Gain	Nat		83	+151	+19	16	83	+870	-0,19	-0,26	+0,17	+12	+5	+47	+72	+153	€	86	+323	108	105	100	99	107	99	102	102	102	112	101	107	107										
STG	US 312198315	Mr Rubi-Aronaut 73287		Rubicon	Shotglass	Nat		87	+151	+19	192	94	+995	+1,05	+0,38	+0,11	+40	-5	-37	+52	+15	€	+29	86	+316	104	107	104	101	91	92	100	97	102	102	109	102	107									
Tot	DE 0770497966	Nh Sunview Gltz		Kerrigan	Balisto	Gnat		88	+150	+10	495	94	+723	+0,42	+0,08	+0,03	+71	+33	+30	+293	-17	€	+21	86	+236	103	100	106	98	106	96	106	100	93	100	101	103	98									
ABS	US 3141494533	Danovo 7947 Gltz		Jeddi	Rubicon	Nat		84	+150	+16	219	91	+361	+0,27	+0,31	+0,08	+40	+41	+24	+259	+5	€	-13	83	+419	100	106	104	100	105	93	97	89	105	106	106	92	101									
Alt	US 3142181099	Peak Altalawson		Altarobson	Mr Mogul Delta	Nat		89	+150	-19	306	94	+735	+1,22	+0,67	+0,01	+68	+29	+34	+252	-29	€	-7	84	+285	100	104	108	99	101	105	100	102	103	102	101	98	101									
CRV	NL 656787711	LW Crescendo		Stellando Rf	Planet	Gnat		86	+150	+0	2724	99	+1070	+0,00	-0,07	+0,00	+45	+30	+49	+232	-3	€	+57	95	+169	97	104	106	104	98	104	102	99	100	102	100	99	100									
Tot	DE 0360175103	Adlon P	PO	Adagio-P	Rubicon	Gnat		84	+150	+54	75	91	+239	+0,10	+0,10	+0,03	+19	+17	+8	+112	+34	€	-49	83	+277	107	105	102	98	97	100	103	91	99	106	108	103	106									
K&L	SE 0113574132	Vh BjOrkil Alonso Access		Rubicon	Bookem	Nat		77	+150	+16	87	86	+590	+0,35	+0,29	-0,01	+4	+3	-28	+12	-70	€	+4	77	+364	104	107	107	101	107	93	106	80	101	101	102	106	105									
Ves	NL 940038439	Drouner Topman		Topgear	Balisto	Gnat		77	+149	-20	53	85	+1798	-0,48	-0,02	-0,16	+25	+60	+65	+318	-1	€	-1	81	+209	103	102	99	96	94	91	99	70	101	102	97	106	102									
Alt	US 3141559953	No-Fla Altaronson		Rowdy	Midnight	Nat		83	+149	+33	119	91	+1267	+0,03	-0,08	-0,05	+57	+36	+53	+283	+43	€	-4	82	+426	106	96	105	103	104	103	89	103	103	107	94	102										
Dek	US 3128463273	Szyruczk Silvr Blowntorch		Silver	Altaok	Gnat		89	+149	-32	107	94	+711	+0,24	+0,02	-0,05	+53	+27	+28	+230	-28	€	-27	86	+177	105	105	103	97	102	99	96	93	102	103	106	98	103									
AWE	DE 0770405808	Fabulus		Flattop	Balisto	Gnat		86	+149	-43	79	91	+292	+1,02	+0,32	-0,09	+75	+17	-21	+221	-39	€	+39	83	+262	110	98	101	99	101	98	99	90	98	99	103	95	98									
Tot	NL 639058814	Hul-Stein breezer		Achiever	Otzoberfest	Nat		80	+149	+17	81	88	+57	+0,68	+0,07	+0,07	+63	+8	-4	+164	+9	€	+43	79	+277	102	103	105	102	104	97	101	98	96	100	106	98	101									
WWS	US 3131902881	Leaning-Horse Helix 22137		Hang-Time	Jacey	Gnat	2n	80	+149	+24	252	95	+81	+0,41	+0,18	-0,03	+40	+19	+1	+162	+2	€	+37	85	+229	106	103	107	100	103	109	108	100	104	93	100	101	106	98								
GGI	DE 0668519827	Balisto		Rubicon	Epic	Gnat		96	+148	-10	1060	99	+614	+0,42	+0,40	-0,11	+66	+59	+18	+366	-11	€	+37	95	+231	97	95	104	101	104	99	102	99	96	106	104	101	101									
ABS	IT 036990601858	Dotti Madley Orthid		Medley	Silver	Nat		86	+148	+17	435	90	+429	+0,49	+0,13	+0,12	+64	+27	+31	+254	+38	€	-19	83	+275	100	102	102	96	101	103	100	93	102	105	106	105	107									
ABS	US 3013115112	Rosylane-Llc Spock		Silver	Supersire	Nat		89	+148	+26	228	95	+748	+0,44	+0,06	+0,14	+74	+20	+48	+252	+9	€	+9	86	+225	101	103	105	100	104	101	96	92	101	104	104	102	104									
WWS	US 143189741	Wa-Del Yuder Bandares		Woodcrest Mogul	Massey	Gnat		92	+148	+17	482	97	+151	+0,35	+0,16	+0,00	+24	+9	-7	+85	+20	€	-40	90	+605	106	105	102	97	101	109	101	96	103	104	107	101	106									
CRV	NL 632175000	Delta Storer		Ranger	Paragon	Gnat		91	+147	+14	2480	94	+83	+0,50	+0,26	+0,05	+40	+20	+1	+166	+25	€	-73	89	+232	105	103	103	102	108	96	102	99	105	104	110	107	111									
GGI	DE 0770217596	Barbados		Racer	Racer	Gnat		82	+147	+51	47	89	+204	+0,35	+0,04	+0,00	+22	-4	-9	+27	+10	€	-12	83	+304	108	103	101	98	103	100	108	90	99	101	108	106	107	102								
Tot	NL 941059013	Dg Reckless		Rubicon	Cashcofn	Nat		72	+146	-13	37	82	+1258	+0,19	-0,13	+0,13	+73	+31	+71	+302	-46	€	+2	71	+349	99	101	104	101	99	103	100	100	70	104	104	97	102									
CRV	NL 661726969	Double W Rotary		Galore	Snowfiver Cd	Gnat		95	+146	+4	848	99	+1412	-0,35	+0,09	+0,13	+24	+40	+78	+238	+4	€	-8	94	+423	105	97	96	100	104	104	103	99	100	103	105	105	106									
US	3137661391	Seagull-Bay Ahnder		Achiever	Spruce-Haven St	Gnat		79	+146	+30	109	87	+829	+0,29	-0,10	-0,04	+63	+19	+34	+220	+49	€	+47	76	+215	104	100	105	103	109	102	85	98	98	100	100	99	106									
Kam	NL 933611975	Koepnon Rumour		Rush Hour Cd	Board	Gnat		85	+146	+6	282	90	+501	+1,12	+0,08	+0,04	+32	+25	+19	+175	-28	€	-3	85	+132	106	98	104	103	103	99	104	83	102	103	108	107	109									
STG	US 3135087360	Lexvold Ss Cahill		Montross	Altaok	Gnat		80	+146	+42	24	85	+1404	-0,53	-0,24	+0,12	+5	+24	+76	+132	+7	€	-7	80	+464	101	103	102	101	103	97	109	86	102	102	108	98	104									
Sem	CA 12302901	Progenesis Ostle		Doorsopen	Berti	Gnat		86	+146	+14	70	93	+533	+0,10	-0,09	-0,08	+32	+10	+17	+113	+10	€	+4	85	+230	111	103	103	98	101	96	99	92	94	100	108	95	100									
CRV	NL 938401263	Buisweerd Moubt		G-Force	Berti	Gnat		86	+146	+14	15186	99	+582	+0,72	+0,37	-0,07	+35	+10	-32	+105	+11	€	+76	99	+273	111	102	103	99	100	97	94	99	98	97	98	101	98									
STG	US 3131903851	Mr Atropo		Altagrip	Numero Uno	Nat		83	+146	+24	59	90	+85	-0,19	-0,18	-0,01	+22	+8	-42	+163	+1	€	+14	83	+588	106	106	104	100	99	103	101	98	102	103	104	101	101									
Sem	CA 12608917	Progenesis Kristoff	CD	Willarsb Abbott	Supershot	Nat		83	+145	+47	109	89	+1442	-0,10	-0,07	+0,03	+51	+43	+69	+304	+40	€	+5	79	+279	103	98	102	103	104	98	98	86	98	102	106	99	102									
WWS	US 3132417775	Woodcrest King Doc		Kingbro	Macsh	Nat		94	+145	-7	1583	99	+1511	-0,12	-0,13	-0,09	+52	+39	+60	+287	-3	€	-2	93	+140	98	103	100	108	100	100	99	96	101	99	100	104										
Kam	NL 632591910	Vdr Saul Hudson		Barclay	Malki	Gnat	Gn	85	+145	+18	472	90	+419	+0,36	+0,27	-0,08	+51	+40	+12	+275	-13	€	-13	85	+344	100	98	97	99	96																	

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

NVI melkdoel = 0,37\*Inet+0,07\*lvd+5,5\*UGH+6,5\*VRU+2,0\*Uier+2,5\*Beenwerk+2,0\*GEB+3,0\*KGH+0,37\*BVK  
NVI dubbeldoel = 0,33\*Inet+0,09\*lvd+5,7\*UGH+5,5\*VRU+5,5\*Uier+5,5\*Beenwerk+2,0\*GEB+5,0\*VLI

Publicatie stierindexen Zwartbont

Table with columns: Ki Stiernummer, Stiername, Erf-fact, Vader, M-vader, B, N, Bt, NVI, +/-, dtrs, Bt, kgM, %V, %E, %L, kgV, kgE, KGL, INET, +/-, BVK, Bt, Lvd, Ugh, Vru, Gin, Geb, KA, MS, Kgh, Bt, F, T, U, B, Ext. It lists various cow and bull data with their genetic indices and performance metrics.

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

NVI melkdoel = 0,37\*Inet+0,07\*lvd+5,5\*UGH+6,5\*VRU+2,0\*Uier+2,5\*Beenwerk+2,0\*GEB+3,0\*KGH+0,37\*BVK  
 NVI dubbeldoel = 0,33\*Inet+0,09\*lvd+5,7\*UGH+5,5\*VRU+5,5\*Uier+5,5\*Beenwerk+2,0\*GEB+5,0\*VL

Perspublicatie stierindexen Zwartbont

December 2023

Ki	Stiernummer	Stiernaam	Erf-fact	Vader	M-vader	B	N	Bt	NVI	+/-	Productie													BVK	Bt	Lvd	Ugh	Vru	Gin	Geb	KA	MS	Kgh	Bt	F	T	U	B	Ext	
											dtrs	Bt	kgM	%V	%E	%L	kgV	kgE	kgL	INET	+/-	SECM	Rel																	Lon
Ai	Bull number	Bull name	Her-fact	Sire	MGS	S	N	Rel	NVI	+/-	dous	Rel	kgM	%F	%P	%L	kgF	kgP	kgL	INET	+/-	SECM	Rel	Lon	Udh	Fer	Cal	DCE	Temp	MS	CLW	Rel	F	DS	U	F&L	T			
Melkdoel	Zwart																																							
Kam	NL 759464722	Katershorst Job		Jorben	Bookem	Gnat		90	+113	+7	555	95	+308	+0,16	+0,20	+0,04	+28	+29	+18	+183	+38	-19	87	+48	105	100	98	100	96	104	96	105	104	105	99	104		104		
GGI	DK 0337281619	Dante		Danne	Byrke	Gnat		82	+113	-29	34	89	+1538	-0,56	-0,17	-0,04	+7	+36	+66	+162	+7	+32	84	+51	105	98	104	102	100	98	96	95	98	99	102	101	101		101	
GGI	DE 0537281320	Bockem		Danne	Bockem	Gnat		80	+113	-3	17	86	+105	+0,03	+0,10	+19	+14	+99	+20	+19	+19	+19	+32	84	+115	105	103	104	102	100	102	99	101	100	104	97	101		101	
Sem	US 3135766889	Melary Fuel		Duke	Kingboy	Nat	2n	99	+112	-22	421	96	+2167	-0,08	-0,21	-0,08	+85	+52	+90	+419	-24	+45	87	-51	97	98	100	96	99	107	99	95	102	108	95	102		102		
CRV	NL 661726440	Double V Rodeo		Regard	Snowfever Cd	Nat	2n	95	+112	-6	601	99	+287	+0,28	+0,11	+1,11	+38	+20	+23	+169	+0	-4	94	+59	103	99	103	103	101	97	102	97	100	104	105	106	106		106	
WWS	CA 11591480	Delaberge Pepper		Mogul	Planet	Nat		95	+112	+20	1967	99	-340	+0,55	+0,20	+0,08	+32	+5	-9	+85	+6	-29	96	+248	105	102	104	102	107	101	100	99	103	107	109	103	108		108	
Tot	NL 964549056	Hul-Stein Carolia		Josuper	Mogul	Nat		70	+111	-4	19	82	+1189	+0,06	-0,06	-0,02	+56	+35	+52	+277	-13	+0	78	+188	96	102	105	100	100	98										
CRV	NL 599978140	Delta Conan		Commander	Sterngold	Nat		94	+111	-20	516	98	+117	+0,26	+0,26	-0,01	+28	+27	+4	+171	+2	-25	94	+175	104	95	102	102	103	103	105	97	99	103	107	109	109		109	
Dek	FR 0802065846	Joik		Brekem	Epic	Nat	2n	85	+111	+2	64	92	+226	+0,40	+0,30	-0,12	+25	+18	-21	+120	+10	-60	85	+142	104	105	102	103	103	106	96	104	91	104	104	100	104		104	
Alt	US 3142181436	Peak Altabentley		Jedi	Silver	Nat		75	+110	+33	25	85	+772	-0,07	+0,01	+0,19	+26	+28	+54	+186	+59	-9	79	+264	102	103	100	99	102	96	85	102	102	108	92	101		101		
Dek	FR 4242646974	Nuberon		Superhero	Silver	Nat		89	+110	+10	1297	93	+223	+0,66	+0,26	+0,03	+47	+15	-8	+158	-11	-31	87	+138	103	103	103	100	99	105	97	105	107	93	102		102			
WWS	US 71303599	Le-O-La Mogul Gambler		Mogul	Atwood	Nat		85	+110	+57	29	88	+1210	-0,37	-0,29	+0,02	+14	+13	+57	+100	+46	+14	83	+575	102	98	103	102	100	103	102	88	99	101	110	99	105		105	
AWE	DE 0359171051	Bali P	FO	Battlecry	Jacey	Nat		81	+110	+22	18	86	+15	+0,24	+0,05	+0,05	+22	+5	+5	+68	+52	-7	82	+283	109	103	102	99	98	100	98	88	99	102	109	93	101		101	
WWS	US 3131003289	S-S-1 Silver Spike		Silver	Jacey	Nat		91	+109	-8	388	97	+1641	-0,35	-0,30	+0,09	+33	+26	+84	+201	-17	-17	89	-5	104	103	104	97	104	103	93	95	94	104	110	97	103		103	
Sem	CA 12020854	Boldi V Aplitude		Davinici	Epic	Nat		87	+109	+47	357	92	+635	+0,06	+0,05	+0,07	+33	+17	+36	+150	+91	-22	82	+306	101	104	100	100	95	94	102	93	103	114	100	106		106		
Sem	NL 334490407	Answer Solution		Solero	Legend	Nat		83	+109	+57	201	90	+112	-0,15	+0,05	+0,03	-9	+8	-8	+16	+21	+66	82	+442	103	104	102	100	100	93	101	107	88	98	93	94	97	93		93
ABS	US 72851690	De-Su 12147 Allstar		Balisto	Numero Uno	Nat		89	+108	-5	442	93	+776	-0,07	-0,12	+0,05	+26	+39	+31	+254	+3	-19	84	+353	100	100	104	99	101	107	102	92	104	103	104	94	101		101	
CRV	NL 684231664	Delta Leonardo		Reflector	Let It Snow	Nat	2n	96	+108	-16	2359	99	+759	-0,18	+0,06	+0,10	+15	+32	+44	+176	-29	+14	95	+189	104	99	98	94	103	104	99	99	103	103	104	103	105		105	
Sem	CA 12571509	Claynock Miami		Ocd Commander L	Silver	Nat		79	+108	+26	136	90	+568	-0,16	+0,10	+0,15	+39	+10	+40	+135	-7	-6	80	+85	105	102	103	97	104	95	88	100	101	109	96	103		103		
ABS	US 3135087305	Stantons Erving		Modesty	Main Event	Nat		77	+108	-10	25	85	+198	+0,37	+0,02	-0,01	+42	+9	+8	+128	-30	+50	79	+267	101	101	102	96	99	104	85	94	95	106	98	100		100		
WWS	US 3145229820	Peak Tropic		Hotline	Rubicon	Nat		89	+107	+21	663	92	+472	+0,45	+0,15	+0,12	+62	+30	+33	+263	+28	-41	85	-91	100	100	104	101	96	99	101	86	97	103	110	100	105		105	
Sem	US 3129016101	Stantons Performer-P	FO	Powerball P	Numero Uno	Nat		81	+107	+20	52	86	+1485	-0,45	-0,17	-0,01	+16	+34	+67	+193	+32	+33	79	+313	98	105	102	99	103	98	99	84	91	97	102	90	96		96	
Tot	DE 035449298	Bg Rialto		Sixpack	Balisto	Nat		80	+107	-15	57	87	+198	+0,46	+0,31	-0,01	+31	+20	-10	+144	-39	+11	80	+314	99	102	101	104	102	102	103	87	101	103	110	99	106		106	
DE	0666188940	Mercury		Mogul	Ronelea Toystr	Nat		84	+107	+26	16	86	+382	-0,05	-0,17	+0,00	+12	-2	+17	+22	-22	+46	83	+291	106	102	103	104	101	105	99	83	96	93	106	100	101		101	
Alt	US 3200824825	Peak Altaspmlet		Altoberot	Modesty	Nat		74	+106	+2	61	83	+168	+0,67	+0,25	+0,00	+51	+16	-8	+170	-20	+21	78	-12	99	105	103	101	99	101	103	86	103	100	100	96	99		99	
ABS	US 3128557283	Ihg Abs Jericho Et		Josuper	Mogul	Nat		95	+105	+9	1552	99	+465	+0,15	+0,04	+0,00	+34	+20	+21	+160	+6	-13	94	+113	100	104	100	100	110	108	102	97	104	106	104	101	105		105	
ABS	US 73709027	Larrest Collude		Balisto	Roylane Socra R	Int		86	+105	+5	25	91	+418	-0,13	+0,04	+0,00	+6	+18	+19	+82	+16	+38	75	+265	104	104	104	107	100	106	96	88	97	103	106	93	98		98	
Sem	CA 12208511	Claynock Felix		Supershot	Mccutchon	Nat		77	+105	-2	37	85	+492	-0,21	+0,02	+0,13	+1	+19	+35	+91	-6	-17	79	+185	101	104	103	103	106	101	104	82	98	102	105	102	103		103	
WWS	US 72128216	Mr Mogul Delta 1427		Mogul	Roylane Socra R	Nat		89	+105	-13	55	99	+370	+0,13	+0,13	+0,10	+28	+1	+26	+71	-32	+59	82	+362	100	106	102	104	106	95	94	97	108	108	95	100	106		106	
WWS	US 312501993	S-S-1 Montross Duke		Supershot	Supershot	Nat		84	+105	-10	935	99	+399	-0,15	+0,11	-0,09	+9	+8	+1	+16	-2	+15	83	+232	101	103	101	100	100	97	93	93	103	108	97	102	106	103		103
Alt	NL 949033866	Westerand Altaspring		Mogul	Garard	Nat		95	+104	-1	2169	99	+391	+0,05	-0,05	-0,01	+47	+30	+46	+236	-9	+7	96	+161	96	101	101	97	96	101	101	99	106	104	108	99	106		106	
CRV	NL 586848551	Delta Leverage		Inductor	Bravo	Nat		90	+104	+17	733	94	+484	+0,78	+0,30	-0,01	+45	+8	-23	+120	+11	+40	87	+224	107	100	102	109	107	95	96	97	97	98	102	98	99			

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

NVImkeldoel = 0,37\*Inet+0,07\*lvd+5,5\*UGH+6,5\*VRU+2,0\*Uier+2,5\*Beenwerk+2,0\*GEB+3,0\*KGH+0,37\*BVK  
 NVIdubbeldoel = 0,33\*Inet+0,09\*lvd+5,7\*UGH+5,5\*VRU+5,5\*Uier+5,5Beenwerk+2,0\*GEB+5,0\*VLi

**Perspublicatie stierindexen Zwartbont**

Ki	Stiernummer	Stiernamen	Erf-fact	Vader	M-vader	B	N	Bt	NVI	+/-	dtrs	Bt	kgM	%V	%E	%L	kgV	kgE	KgL	INET	+/-	BVK	Bt	Lvd	Ugh	Vru	Gin	KA	MS	Kgh	Bt	F	T	U	B	Ext																										
																																					Productie										Functioneel										Exterieur					
																																					AI	Bull number	Bull name	Her-fact	Sire	MGS	S	N	Rel	NVI	+/-	dous	Rel	kgM	%F	%P	%L	kgF	kgP	KgL	INET	+/-	SECM	Rel	Lon	Udh
	<b>Melkdoel Zwart</b>																																																													
GGI	DE 066662248	Cantus		Commander	Supersire	Gnat		84	+93	-17	25	88	+399	+0,37	+0,23	+0,05	+51	+35	+23	+256	-3	€	-€	84	+34	100	99	99	94	105	97	103	89	97	102	104	99	101	101																							
Alt	US 7148472	Edo Derman		Atwood	Mogul	Nat		81	+93	-43	43	89	+422	+0,24	-0,02	+0,03	+40	+13	+21	+144	-31		+8	80	+287	101	98	97	92	102	105	98	93	100	110	92	105	105	105																							
STG	US 313001408	De-Su Spring Silverado		Atlaspring	Supersire	Nat		80	+91	-33	131	94	+116	+0,46	+0,17	+0,01	+40	+21	+8	+189	+15		+19	96	+77	99	103	101	98	104	99	91	104	103	103	98	102	103	108																							
WWS	US 3130641794	Peak Acubelini		Altahtrohd	Ransom	Int		80	+91	+4	48	87	+277	+0,78	+0,17	-0,01	+83	+25	+12	+280	+20		-17	77	-96	97	100	102	101	104	98	79	99	99	101	98	99	101	98																							
GGI	DE 0538281295	Balu		Balisto	Epic	Gnat		96	+91	+13	1566	99	+1239	-0,30	+0,03	-0,10	+22	+46	+46	+249	+7		+10	96	+237	102	98	103	106	101	98	98	102	103	99	93	97	104	97																							
STG	US 3134167086	Hartford Rubi-Taz		Rubiccon	Altaoak	Nat		82	+91	+24	44	87	+623	+0,25	-0,10	+0,15	+50	+12	+43	+167	+12		+3	82	+287	96	102	100	100	104	100	88	103	102	104	102	104	102	104	101																						
ABS	US 58591946	Larcrest Caballero		Mogul	Observer	Nat		85	+91	-8	77	91	-35	+0,36	+0,01	-0,04	+30	+0	-5	+62	+8		+32	82	+289	103	103	103	101	104	104	98	81	98	98	106	95	100	100	100																						
Alt	US 3140616106	Sandy-Valley Altaemoji		Bandares	Pure	Nat		84	+91	+33	108	91	-255	+0,20	+0,16	+0,02	+6	+5	+10	+30	+60		-51	79	+398	103	106	102	97	103	103	103	80	103	104	105	97	103	100	100																						
WWS	US 69981349	Seagull-Bay Supersire		Roylane Socra R	Planet	Nat		96	+90	-21	1950	99	+1152	-0,13	-0,13	+0,06	+36	+27	+59	+204	+0		+8	97	+207	102	101	103	98	107	99	97	99	105	104	98	94	98	104	94																						
Adv	DE 0357810874	Hellas		Balisto	Gnat			82	+89	+3	21	86	+264	+0,06	+0,17	+0,10	+17	+25	+21	+145	+57		-18	83	+115	104	99	102	100	101	101	92	101	104	108	98	94	100	104	98																						
NL	895144845	Willie Rolex		Rubiccon	Snowman	Gnat		81	+89	+7	28	88	+786	-0,05	-0,12	+0,01	+29	+16	+37	+138	+7		+4	84	+437	100	97	101	98	102	99	102	90	108	106	102	108	102	108	102																						
Sem	CA 12283285	Westcoat Galahad		Penmanship	Jacey	Nat		87	+89	-8	135	93	+41	+0,14	+0,15	+0,10	+14	+11	+11	+98	+14		-52	82	+309	105	105	100	101	105	106	98	87	105	104	105	95	102	100	100																						
ABS	US 718113323	De-Su 11737 Hattrick		Day	Roylane Socra R	Int		84	+89	+3	32	91	+898	-0,42	-0,24	+0,00	-3	+8	+41	+39	+5		+10	76	+305	104	103	105	103	97	104	101	76	98	98	104	95	99	100	100																						
Sarn	NL 661903733	Farmers Wish Exlor Caruso		Malki	Ramos	Nat		92	+89	+38	605	98	-339	+0,07	+0,01	-0,09	-8	-11	-23	+69	+53		-8	91	+697	105	101	104	96	92	95	108	94	105	105	104	98	103	103	98																						
Sem	CA 170359280	Comestar Laurust		Sudan	Man-O-Man	Gnat		95	+88	+20	1402	99	+991	+0,01	-0,04	-0,02	+43	+31	+43	+230	+3		+47	93	+179	100	101	98	99	98	98	98	95	99	103	95	97	103	95	97																						
Kam	NL 63989957	Platan Kjeid		Headliner	Super	Nat		95	+88	-8	150	89	+491	-0,44	+0,03	+0,04	+62	+20	+26	+220	+22		+10	82	+172	98	100	98	104	107	97	90	101	104	103	105	105	106	105	106																						
WWS	US 72044077	Morningnew Mcc Kingboy		Mccutchen	Super	Nat		95	+88	+5	960	99	+1203	-0,33	-0,23	+0,04	+18	+19	+51	+231	+13		+36	95	+17	104	103	107	95	94	97	99	99	103	102	107	94	102	100	100																						
Syn	US 3130853983	View-Home Kboy Thunder-Et		Kingboy	Numero Uno	Gnat		83	+88	+0	19	87	+569	+0,07	-0,07	-0,07	+31	+13	+19	+124	+24		+33	84	+1	93	106	105	100	106	100	89	95	96	109	95	100	100	100																							
GGI	DE 0538954484	Nuance	RF	Nugget	Snow Rf	Gnat		82	+87	+17	16	86	+796	-0,17	-0,13	+0,11	+17	+15	+47	+111	+53		+52	81	+175	104	101	99	104	95	101	102	88	93	95	106	88	94	100	100																						
Syn	DE 0360215732	Mazio PP	PP	Mission P	Balisto	Gnat		78	+87	+68	19	85	+357	-0,33	+0,01	+0,07	-15	+13	+23	+29	+55		+18	81	+315	103	103	106	105	100	98	102	88	98	97	107	92	98	100	100																						
SZO	DE 053904096	Samovar		Silver	Galaxy	Nat		87	+86	+8	21	86	+193	+0,71	+0,12	-0,11	+72	+18	-1	+225	-19		+6	81	-112	96	100	103	97	100	102	88	98	102	107	104	106	102	100	100																						
GGI	DE 0357496954	Ferro	BR	Fergus	Snowboard	Gnat		87	+86	+2	105	92	+806	-0,11	-0,04	+0,04	+24	+24	+41	+161	+24		+42	83	+100	97	101	100	99	105	101	90	98	100	107	98	102	100	100	100																						
CRV	NL 546055236	Weelder Solution		Goliath	Laudan	Gnat		95	+86	-3	1169	99	+886	-0,37	-0,10	+0,13	+2	+21	+53	+106	-25		+45	94	+25	101	99	103	104	100	98	97	104	99	97	103	102	101	101	101																						
Ves	NL 587576684	Farmers Wish Big Deal		Spell	Jorryn	Nat		88	+86	+39	423	94	-196	+0,25	+0,14	-0,12	+13	+5	-19	+42	+29		+40	86	+326	104	100	96	94	98	95	104	92	92	99	101	102	99	100	100																						
GGI	DE 1267420394	Sisko		Silver	Nog Ikaro	Nat		83	+85	-13	62	90	+1041	+0,11	-0,17	+0,16	+55	+19	+63	+212	-18		+19	85	-27	101	99	99	97	101	104	97	88	100	102	108	99	94	100	100																						
Syn	DE 0770405805	BattleShip		Battlecry	Dyton	Gnat		82	+85	-12	22	86	+245	+0,19	+0,04	-0,01	+28	+12	+10	+111	+7		-11	82	+328	103	100	100	99	95	101	99	98	98	102	106	102	104	104	104																						
K&L	DE 0359296711	Babyfon Et	RF	Battlecry	Aymentholm S Sy	Gnat		81	+84	+26	28	88	+329	-0,12	-0,20	+0,01	+3	-7	+16	+18	+14		+13	83	+258	105	104	98	102	98	98	104	90	98	98	107	97	101	101	101	101																					
Syn	DE 0359741455	Axminster		De-Su 12138 Ara	Woodcrest Mogul	Gnat		81	+83	-12	28	88	+1119	+0,09	-0,06	-0,17	+56	+33	+34	+263	+3		-11	79	+147	99	98	100	97	102	106	100	88	103	103	106	102	106	102	106																						
Alt	NL 751487024	Peak Lc Altacordial		Atlaspring	Supersire	Nat		94	+83	-5	770	99	+692	+0,08	-0,02	-0,01	+37	+22	+31	+177	-13		-26	93	+139	102	102	99	97	100	101	96	93	105	106	104	95	102	100	100																						
STG	US 313038332	Farmer Royx Bal 54505		Balisto	Mogul	Nat		82	+83	-5	188	95	+252	-0,18	+0,05	+0,01	+37	+21	+26	+220	+11		-9	87	+119	102	98	99	100	107	102	98	91	95	100	103	105	103	103																							
Tot	FR 1445852881	Dir Pedro		Gold Chip	Planet	Gnat		84	+83	+56	22	87	+606	-0,03	-0,18	+0,06	+23	+4	+33	+75	+110		+22	84	+168	103	100	100	106	109	100	104	89	99	100	106	98	102	100	100																						
ABS	US 3141494563	Denovo 7977 Boxcar		Growl	Mr Mogul Delta	Nat		83	+82	+43	183	88	+604	-0,13	+0,15	+0,16	+13	+35	+43	+184	+36																																									



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

NVI melkdoel = 0,37\*Inet+0,07\*lvd+5,5\*UGH+6,5\*VRU+2,0\*Uier+2,5\*Beenwerk+2,0\*GEB+3,0\*KGH+0,37\*BVK  
NVI dubbeldoel = 0,33\*Inet+0,09\*lvd+5,7\*UGH+5,5\*VRU+5,5\*Uier+5,5\*Beenwerk+2,0\*GEB+5,0\*VLI

Perspublicatie stierindexen Zwartbont

Table with columns: Ki Stiernummer, Stiername, Erf-fact, Vader, M-vader, B, N, Bt, NVI, +/-, dtrs, Bt, kgM, %V, %E, %L, kgV, kgE, KgL, INET, +/-, BVK, Bt, Lvd, Ugh, Vru, Gin, Geb, KA, MS, Kgh, Bt, F, T, U, B, Ext. Rows include various sire names like Progenis Othello, End of Altarmic, Veikie Dg Lee, etc.

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

NVI melkdoel = 0,37\*Inet+0,07\*ldv+5,5\*UGH+6,5\*VRU+2,0\*Uier+2,5\*Beenwerk+2,0\*GEB+3,0\*KGH+0,37\*BVK  
NVI dubbeldoel = 0,33\*Inet+0,09\*ldv+5,7\*UGH+5,5\*VRU+5,5\*Uier+5,5\*Beenwerk+2,0\*GEB+5,0\*VLI

Perspublicatie stierindexen Zwartbont

Table with columns: Ki Stiernummer, Stiername, Erf-fact, Vader, M-vader, B, N, Bt, NVI, +/-, dtrs, Bt, kgM, %V, %E, %L, kgV, kgE, KgL, INET, +/-, BVK, Bt, Lvd, Ugh, Vru, Gin, Geb, KA, MS, Kgh, Bt, F, T, U, B, Ext. Rows include various sire names like Grashoek Mareno, Sabbona Goldfarm, and various performance metrics.

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

NVImelkdoel = 0,37\*Inet+0,07\*lvd+5,5\*UGH+6,5\*VRU+2,0\*Uier+2,5\*Beenwerk+2,0\*GEB+3,0\*KGH+0,37\*BVK  
 NVIdubbeloel = 0,33\*Inet+0,09\*lvd+5,7\*UGH+5,5\*VRU+5,5\*Uier+5,5\*Beenwerk+2,0\*GEB+5,0\*VLI

**Perspublicatie stierindexen Zwartbont**

**December 2023**

Ki	Stiernummer	Stiernaam	Erf-fact	Vader	M-vader	B	N	Bt	NVI	+/-	dtrs	Bt	kgM	%V	%E	%L	kgV	kgE	KgL	INET	+/-	BVK	Bt	Lvd	Ugh	Vru	Gin	Geb	KA	MS	Kgh	Bt	F	T	U	B	Ext												
Ai	Bull number	Bull name	Her-fact	Sire	MGS	S	N	Rel	NVI	+/-	dous	Rel	kgM	%F	%P	%L	kgF	kgP	KgL	INET	+/-	SFCM	Rel	Lon	Udh	Fer	Cal	DCE	Temp	MS	CLW	Rel	F	T	U	B	Ext												
<b>Melkdoel Zwart</b>																						<b>Productie</b>										<b>Functioneel</b>										<b>Exterieur</b>							
Toe	NL 716258304	Lv Btb Productivo		Level	Prince	Nat		92	-42	+9	612	98	-808	+0,12	+0,09	-0,04	-25	-21	-40	-151	+17	+40	90	-157	104	102	102	101	95	100	100	93	94	93	92	95	90												
Ves	NL 746035111	Farmers Wish Wag. Madiba		D Mason	Active	Nat		95	-52	+9	2308	99	-838	+0,56	+0,14	-0,05	+9	-18	-42	-68	+15	+54	95	+5	96	98	101	102	103	109	99	97	95	93	97	98	95												
Sam	NL 563274478	Big Evergreen		Spell	Win 395	Nat	2n	92	-53	-27	897	97	+222	-0,03	-0,02	-0,09	+7	+6	+2	+40	-23	+6	89	-112	101	97	103	101	98	96	90	95	103	102	98	92	96												
Sem	CA 12508113	Walnutlawn Sidekick		Willsbro Abbott	Mccutchen	Nat	2n	91	-58	+16	582	96	+1402	+0,56	+0,20	+0,03	-18	-34	-62	-196	+28	-44	86	-133	103	101	102	101	111	94	97	96	98	105	116	96	107												
Sam	NL 926622612	Weggelhorster Undercover		Emerald	Prince	Nat		92	-66	-10	749	98	-679	+1,08	+0,22	-0,15	+59	-6	-43	+86	+8	+1	91	-325	97	96	99	99	97	97	96	93	104	101	93	98	97												
Toe	NL 684640923	Max		Lothar	Survivor	Nat		65	-74	+17	51	77	-414	+0,30	-0,11	+0,17	+8	-24	-5	-83	+69	+28	61	+60	101	96	99	101	104	100	93	62	96	98	98	96	95												
WWS	US 3013721049	Mr D Apple Diamondback	RF	Doorman	Talent	Nat		92	-74	-1	639	98	-31	-0,29	-0,07	-0,01	-27	-7	-2	-86	+21	-41	91	-47	99	97	99	95	101	102	96	97	101	104	110	98	105												
Sam	NL 584546949	Keyenberg Durango		Linedancer	Deejay Red	Nat		77	-76	+74	140	85	-699	+0,17	-0,08	-0,11	-16	-31	-41	-173	+38	+39	76	-75	101	97	97	97	99	98	98	81	96	98	101	101	100												
SZO	IT 033990287543	All.Nure Secretariat		Numero Uno	Altabaxter	Gnat		93	-80	-38	515	97	-356	-0,20	-0,08	+0,07	-32	-19	-10	-148	+8	-14	91	-75	98	99	102	94	105	111	101	95	103	103	108	92	101												
Sam	NL 741835585	Farmers Wish Olbia		Spell	Roumare	Nat		89	-85	+21	335	96	+123	-0,29	-0,17	-0,04	-21	-11	+2	-89	+31	+17	87	+60	97	100	97	94	95	104	97	90	97	98	98	89	92												
Sam	NL 947608424	Batenburg Geronimo	RF	Maik	Fidelity	Nat		95	-86	+1	1904	99	+774	-0,34	-0,18	-0,14	+0	+10	+22	+48	+9	-3	95	-168	91	99	94	92	102	104	92	97	98	98	97	103	99												
Sam	NL 715904051	Grashoek Talent	RF	Vitality By Niveau	Sunflower Ps	Nat		90	-88	+25	352	96	-379	+0,37	+0,07	-0,06	+15	-7	-22	-4	+47	-1	88	-160	96	96	91	97	103	110	101	90	103	103	99	96	99												
Sam	NL 707252430	Laarvallei Level		Maik	Boolders Abald	Nat		84	-88	+35	76	92	-1437	+0,20	+0,18	+0,01	-46	-37	-65	-268	+23	+32	84	-91	104	103	102	101			96	83	97	93	96	92	92												
Toe	NL 710253631	Dol's Black Champion	BY RF	Diamondback	Ralstorm	Nat	n	79	-90	n	112	86	-949	+0,51	+0,11	-0,08	+0	-24	-50	-113	n	+11	79	+71	99	93	94	99	103	104	102	87	103	100	101	99	101												
Sam	NL 721480536	Mentor		Maik	Bonatus	Nat		94	-91	+12	773	99	-269	-0,09	+0,10	-0,10	-19	-1	-21	-50	+20	-46	94	-123	94	100	102	98	103	100	99	93	98	102	94	99	96												
Sam	NL 699288598	Plataan Friday		Otoberfest	Headliner	Nat		86	-93	-33	249	94	+493	-0,22	-0,17	-0,07	+0	+1	+16	+9	+4	-37	84	-108	94	98	96	94	102	109	88	88	105	106	106	101	106												
ABS	UK 366192300459	Sherdon Irresistable		Maestro	Zelati	Nat		81	-112	-11	70	90	-1207	+0,75	+0,26	+0,11	+6	-22	-47	-92	+11	+39	82	-398	100	98	102	94	96	103	90	80	97	96	96	93	93												
Viv	DE 0358165403	Alvin		Alltus	Simson	Nat		70	-114	+14	118	87	-221	-0,13	-0,21	-0,13	-21	-26	-21	-157	+16	+53	66	-138	98	100	101	94	94	103	65	96	92	93	83	85													
Sam	NL 717846135	Keyenberg Linedancer	PO	Malki	Enorm Pp	Nat		88	-116	-14	283	95	-181	+0,20	-0,16	-0,09	+10	-20	-16	-66	+14	+13	86	-148	98	93	89	91	98	99	98	90	103	103	99	100	101												
CRV	CA 12545306	Phryso Sheik Pb	RF	Phryso Milky Wa	Magna P	Nat		75	-158	-31	64	86	-373	-0,37	-0,19	+0,13	-47	-29	-6	-219	-6	+29	72	-324	96	97	98	92	104	99	92	77	99	97	107	96	101												
Sam	NL 616098363	Grashoek Ian	RF	Ashburton	Joeri	Nat		84	-169	+12	128	93	-1044	+0,27	+0,02	-0,03	-23	-35	-50	-207	+34	-7	82	-329	95	104	96	89	103	101	92	80	99	98	97	89	92												