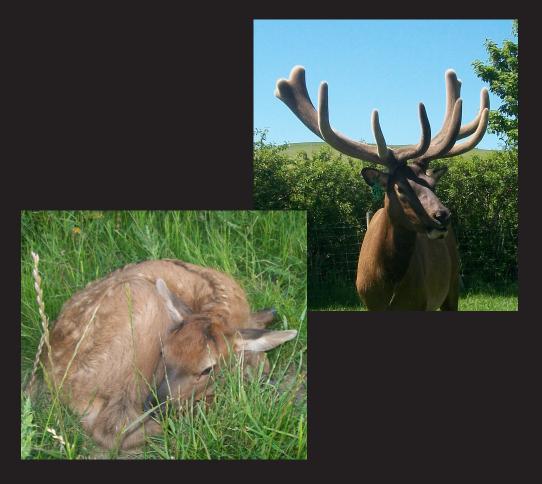


Your Genetic Key to Profit



- eBVs for GrowtheBVs for Velvet
 - eBVs for Carcass Traits

JANUARY 14TH 2014, 3.00PM

Annual on farm auction of ELK/WAPITI Sires and Yearling Cows





Welcome to this our 11th on farm sale at Tikana where we are very proud of the offering presented. It is satisfying to reflect on our progress. Prior to having our own sale we were part of the Southern Elite Elk & Wapiti group in the late 1990's and early 2000's. In those days the benchmark to qualify for the Gold section meant producing 3yr olds cutting greater than 5 kg - we used to manage 2 or 3 each year. Now the bottom 2 or 3 in our sale exceed 5.0kg.

This year's offering includes eight 3year old bulls cutting EWSupreme velvet – double the number we had last year.

Our involvement in DEERSelect and the use of eBVs has enabled us to also make rapid progress in traits other than velvet. An eBV(estimated Breeding Value) is the genetic merit of an individual for a given trait once all environmental factors are removed. This year all bulls and yearling cows are offered with their ranking within the sale for Growth eBV , Velvet eBV and Eye Muscle Area ceBV.

As is normal in all populations there will never be a "superdeer" which ranks highest for all traits. What this does allow however is for buyers to select based on traits most important to them and their farming operation. You may for example place more importance on growth and carcass composition than velvet - the information is there for you to make the call.

We are continuing to collect saliva each year from all fawns to determine their CARLA levels. The technology to determine heritability of parasite tolerance in deer based on CARLA is still being developed. We aim to offer deer in future with an eBV for parasite tolerance.

Prospective purchasers are welcome to visit prior to sale day. Just give us a call to arrange a time to view the animals and discuss how best we can accommodate your requirements. We thank past purchasers and welcome them and new buyers to our 2014 offering.

Dave Lawrence & Donna Day



Estimated Breeding Values – eBV

Breeding values put a figure on the genetic worth of an animal for a given trait and indicate the amount that the progeny of that animal will gain or loose for that trait. They are an invaluable tool for selection but will never replace eye appraisal. Both are important. An exceptionally high growth eBV is desirable but not much good if the animal is undershot or has poor feet conformation.

The Tikana eBV,s for growth, velvet and eye muscle area (EMA) at this stage are **within herd values** only. As such the actual value is of little meaning. That is why we have given a rank for these traits rather then a value for the sires on offer (we are happy to provide values for anyone interested). Once further testing is undertaken and evaluated then the results of the DPT will provide meaningful linkages between herds. We will then have **across herd values** and these values will become very relevant. This was expected to be completed by the end of 2013 but has been delayed further

The best growth eBV Eastern sires have over recent years been trialed against a range of Wapiti sires (none of which have been evaluated in DEERSelect and therefore have unknown eBVs). The results have not surprisingly been very consistent with the progeny of the Wapiti sires achieving target weights earlier. The mind boggles when you imagine how a Wapiti sire with known high growth eBV would compare.

Technology to measure carcass composition already exists in the sheep industry. The installation of Viascan technology at Alliance's Makarewa DSP will allow deer carcasses to be defined by % of shoulder, loin and rump. All yearlings from the 2011 & 2012 DPT crop have gone through this evaluation. The aim is to have deer with a higher proportion of meat in the higher value cuts – rump and especially loin. Scan measurements of EMA in live sheep has a correlation to the higher value cuts in lamb. Work to date in deer would also suggest the two are correlated. We now have 4 years EMA scan data from Tikana and so are able to produce ceBV EMA for all our deer. There has been a noticeable improvement in EMA measurements in the short time we have been selecting for this trait

Sheep farmers can select rams with an eBV for parasite tolerance. This is based on the CARLA test which measures the protective immunoglobulin produced in saliva in response to parasite challenge. Applying the same principles on saliva samples from deer, the results look encouraging at this stage. There looks to be a sire effect in the DPT animals and the data accumulated from our Tikana herd strongly suggests a dam effect as well. This test will undoubtedly have significant practical application in future.



CONDITIONS OF SALE

- 1. The sale will be conducted by PGG Wrightson with the conditions of sale as set down by the New Zealand Stock and Stations Agents Association, a copy of which is exhibited in the office on sale day.
- 2. Each lot becomes the purchaser's property and risk at the fall of the hammer.
- 3. Warranties and Insurance are covered under separate headings.
- 4. Terms are strictly cash unless prior arrangements are made with the auctioneers. Accounts not paid within 14 days of sale shall bear interest, at current rate per annum from the date of sale.
- 5. The sale is conducted exclusive of GST.
- 6. A buyers commission of 4% is payable to non-participating companies and recognised independent agents introducing and accompanying purchasers to the sale providing prior arrangements (No later that 24hrs prior to sale) are made with PGG Wrightson.
- 7. Intending purchasers are required to register with the auctioneers prior to the commencement of the sale.
- 8. Except as otherwise expressly provided in these conditions, no guarantee, representation or warranty of any kind is made or given as to the soundness, condition or other quality of any livestock sold in this sale.

Disclaimer

All details and descriptions as to stock referred to in this catalogue have been supplied to PGG Wrightson by the vendor and have not been independently verified by PGG Wrightson.PGG Wrightson, its employees and agents make no representations or warranties or acknowledgement of any kind whatsoever in relation to any part of this catalogue (including but not limited to accuracy or completeness of details and descriptions of stock {and other contents}).

Purchasers, advisers and all other persons viewing or dealing with the stock must make their own assessment on the stock and the information in this catalogue.

PGG Wrightson, its employees and agents are not responsible or liable in any way whatsoever, whether in contract, tort (including negligence), or otherwise, to any person for any loss or any damage whatsoever arising directly or indirectly from any information or misrepresentation included or omitted from this catalogue.



Animal Inspection

Inspection prior to sale by arrangement with Brian Duggan, or Dave Lawrence. On the day of sale, stock may be viewed from 1.30pm.

Velvet

Velvet from sale bulls will be on display on sale day and remains the property of the vendor.

Tb Status

Tikana has a C10 status. We are on triennial testing. Last whole herd test completed on 19/7/13

Johnes Status

All stock on offer have a certified negative blood test for Johnes (Paralisa).

Quality Assurance

Tikana is QA accredited #1553.

Grazing

Grazing is available for a limited period, while purchasers await transport arrangements. Any grazing arrangements must be made with PGG Wrightsons office on sale day. All care and no responsibility. All deer must be insured.

Insurance

Transit and Livestock Insurance can be arranged by the Auctioneers who recommend these insurances to all purchasers. PGG Wrightson Aon Insurance will be available on the day.

Guarantee

If a bull proves to be sterile, it will be replaced by an animal of similar quality or the purchase price refunded. The guarantee refers specifically to sterility and not to any other condition due to accident or illness. No claims after 12 months of sale.

ENQUIRES PGG Wrightons

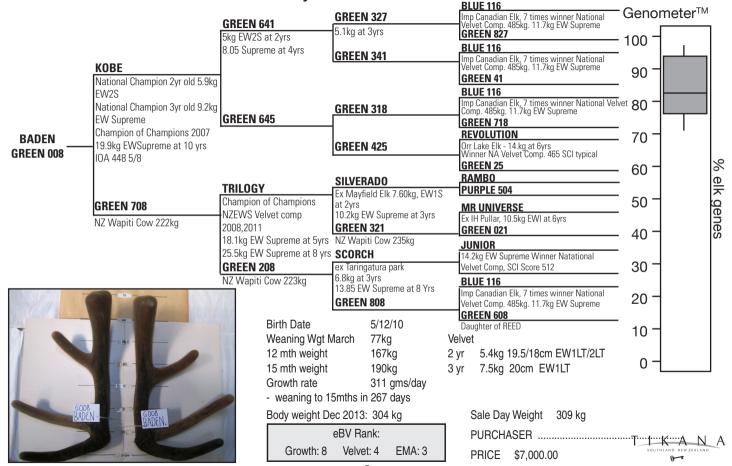
Brian Duggan Mobile 027 432-4212 Graham Kinsman Mobile 0274 22 3154

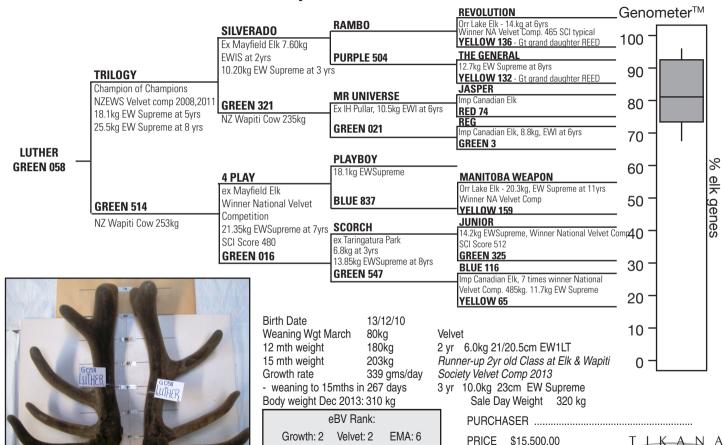
Vendor

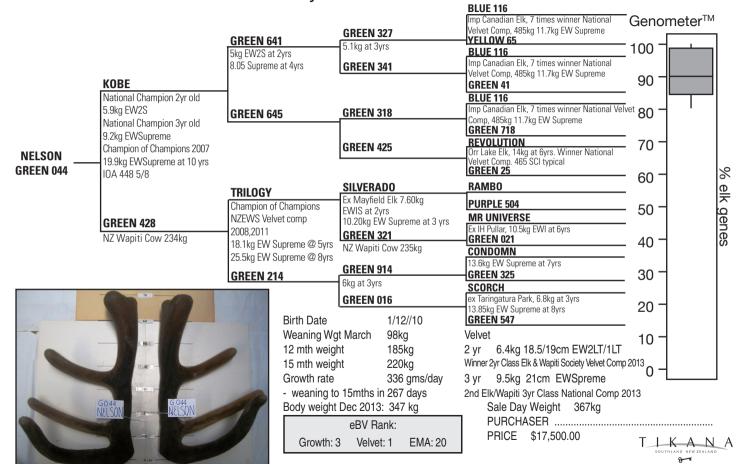
Dave Lawrence Phone/Fax (03) 236-4117

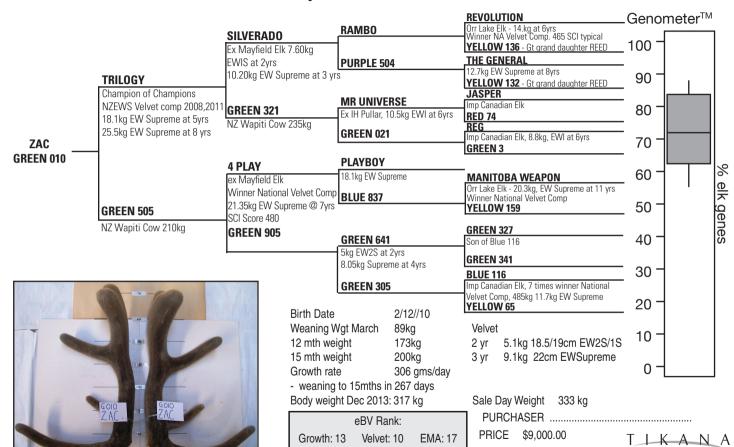
Email: info@tikana.co.nz

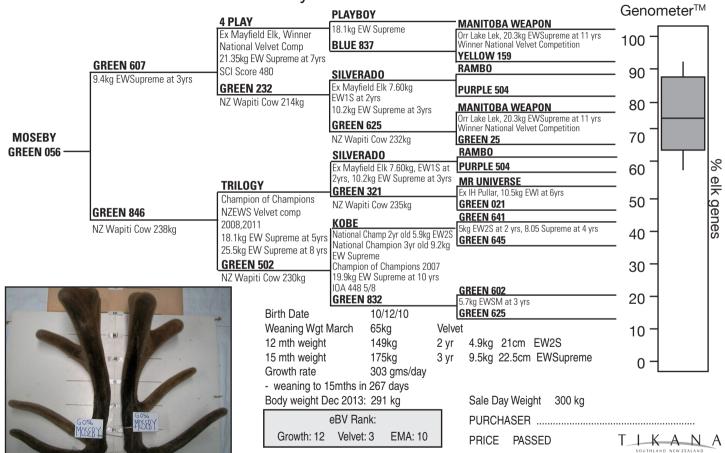




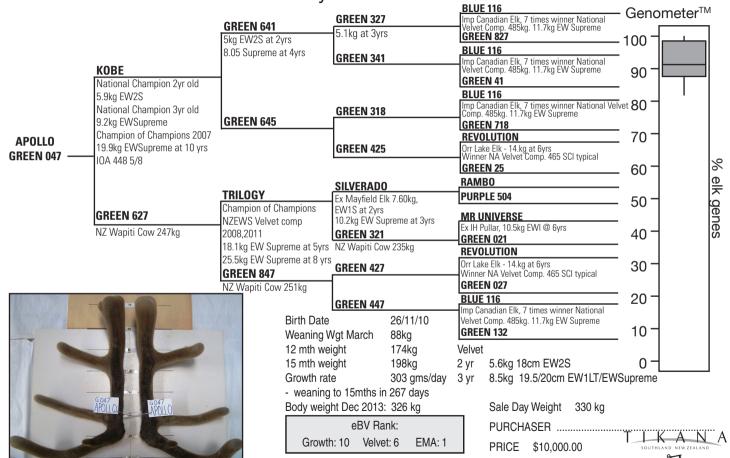


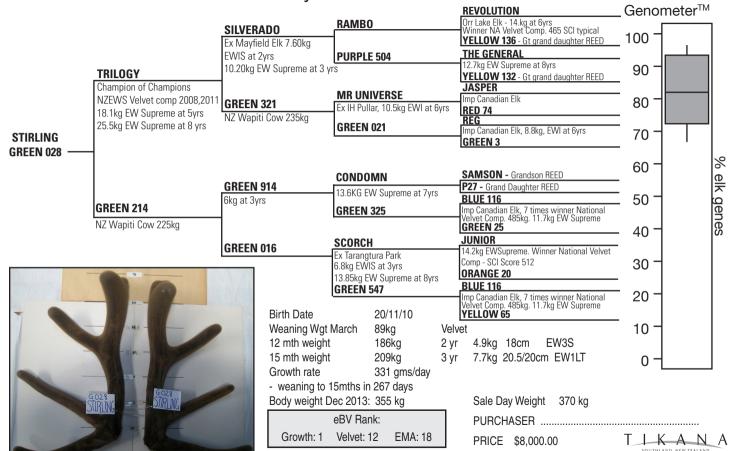


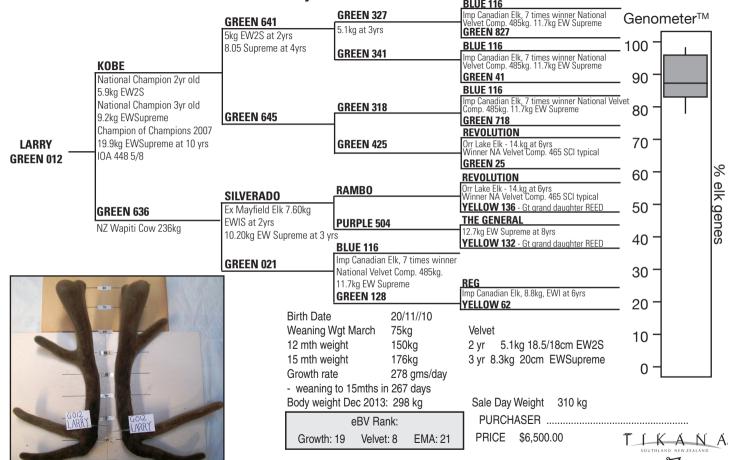




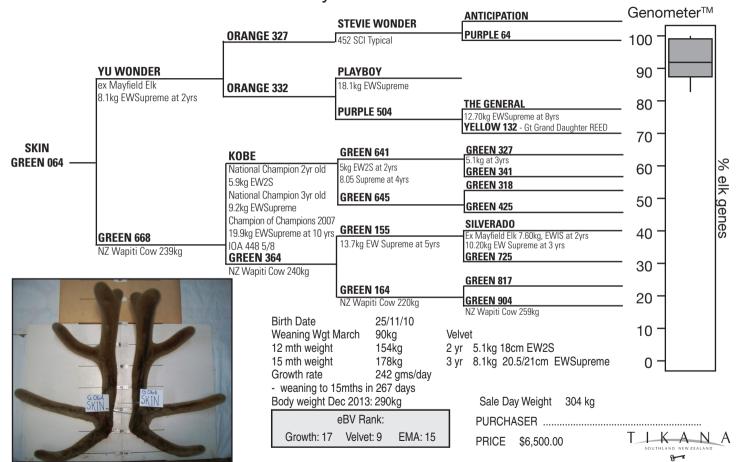
TIKANA 3 yr old NEW ZEALAND ELK BULL

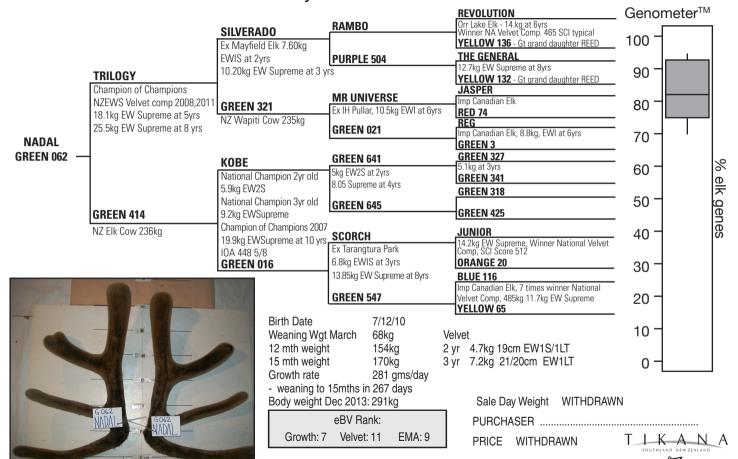


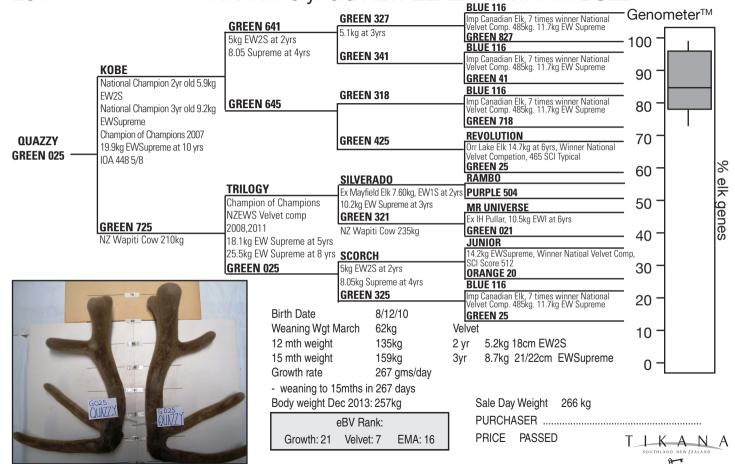




TIKANA 3 yr old NEW ZEALAND ELK BULL



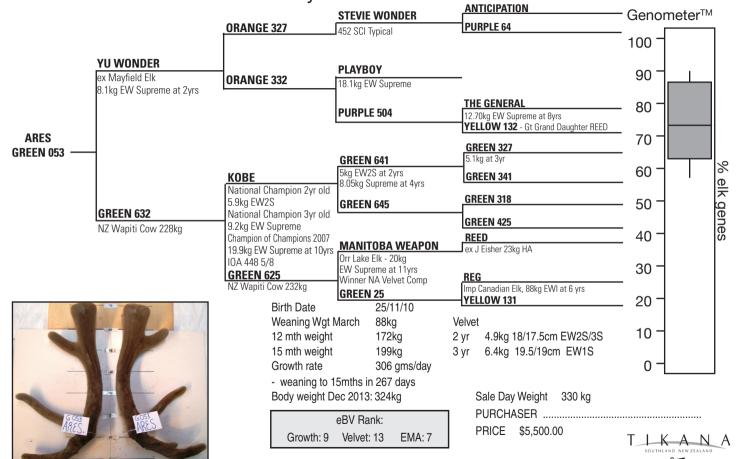


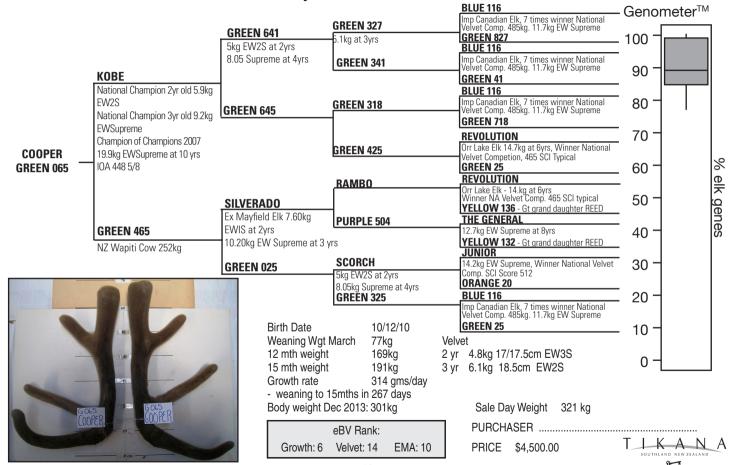


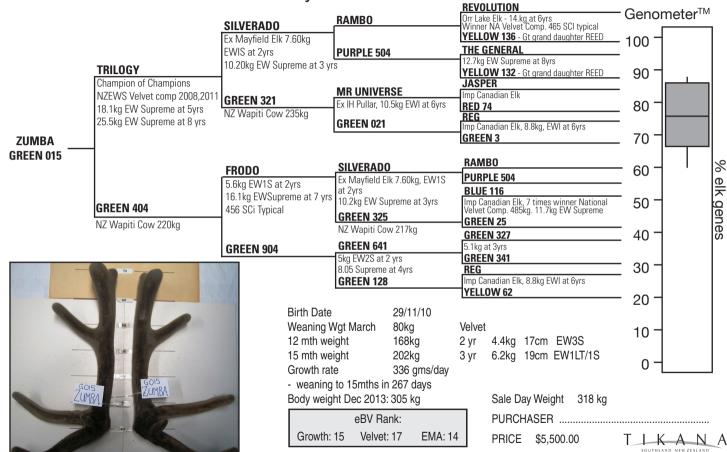
TIKANA 3 yr old NEW ZEALAND ELK BULL







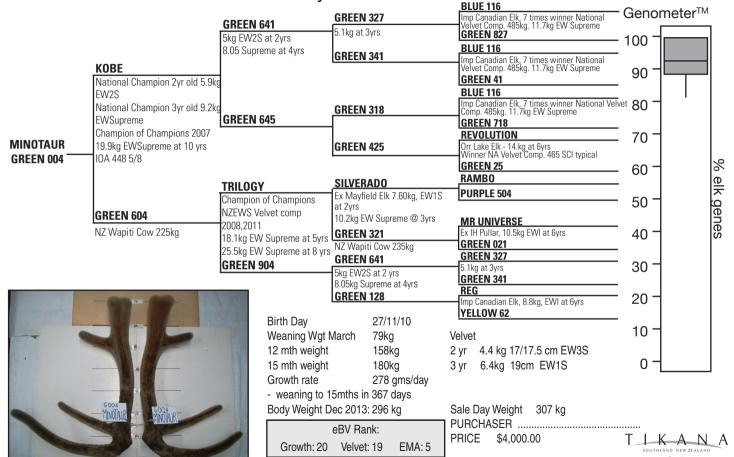






	-		·).			BLUE 1	116			
		GREEN 641		GREEN 327		Imp Can	Imp Canadian Elk, 7 times winner National Velvet Comp. 485kg. 11.7kg EW Supreme GREEN 827		Genometer™	
		5kg EW2S at 2	Zure	5.1kg at 3yrs	3	GREEN	omp. 485kg. 11.7kg Evv Supreme I 827	Г		٦.
		8.05 Supreme	,		_	BLUE 1		_ 100 _		
	КОВЕ	l siss supremis	ac 17.0	GREEN 34	1	Imp Can	adian Elk, 7 times winner National omp. 485kg. 11.7kg EW Supreme			
	National Champion 2yr old	-				GREEN		_ 90 -		
	5.9kg EW2S					BLUE 1		_ ~		
	National Champion 3yr old	1		GREEN 31	0	Imp Can	adian Elk, 7 times winner National \	/elvet		ıl
	9.2kg EWSupreme	GREEN 645		UNCEIN 31	0	GREEN	85kg. 11.7kg EW Supreme	^(*) 80 –		ı
DOM 41 DO	Champion of Champions 2007			1			UTION	-		
RONALDO	19.9kg EWSupreme at 10 yrs			GREEN 425		Orr Lake	Orr Lake Elk - 14.kg at 6yrs Winner NA Velvet Comp. 465 SCI typical			1
GREEN 016 —	IOA 448 5/8					GREEN				١.
					_	RAMB		[−] 60 [−]	'	%
		TRILOGY		SILVERAD	k 7.60kg, EW1S at 2yrs			- ''		<u>0</u>
		Champion of C			upreme at 3yrs	,	IIVERSE	_ 50 -		elk genes
	GREEN 606	NZEWS Velvet comp 2008,2011 18.1kg EW Supreme at 5yrs			' '		lar, 10.5kg EWI at 6yrs	- "		je
	NZ Wapiti Cow 221kg				IZ Waniti Cow 235kg			_ 40 _		le e
		25.5kg EW Su		, ,	· ·	GREEN		_ 40		lo
		GREEN 032	preme at 0 yr.	5kg EW2S at		5.1kg at	,			
		GIILLIA 032		8.05 Suprem	,	GREEN		_ 30 🕇		
And the second						TARIN	GA / Supreme, Winner National Velvet	_		
				GREEN 73	2	Comp 3		20 -		
			Birth Date)	4/12/10	GREEN		_		
	-110-		Weaning \	Wgt March	78kg	Velve	t	10 -		
			12 mth we	eight	168kg	2 yr	4.6kg 18/17cm EW2S/3S	١٠		
- (D.46)			15 mth we	eight	188kg	3 yr	6.3kg 19.5/18.5cm EW1	LT/2S		
			Growth ra	te	303 gms/day			υL		J
			 weaning 	to 15mths	in 267 days					
	G016		Body weig	ght Dec 201	3: 306 kg	Sale	Day Weight 314 kg			
	GOIG RONALDO	17		eBV R	ank:	T PU	IRCHASER			
	10-2		Growth:	14 Velve	t· 16 FMΔ· 12	PRI	CF \$4 200 00	тік	΄ Δ ΝΙ	_

TIKANA 3 yr old NEW ZEALAND ELK BULL



TIKANA 3 yr old NEW ZEALAND ELK BULL

		,	GREEN 327	BLUE 116 Imp Canadian Elk, 7 times winner National Velvet Comp. 485kg. 11.7kg EW Supreme	Genom	neter™	1
		GREEN 641 5kg EW2S at 2yrs	5.1kg at 3yrs	GREEN 827 BLUE 116	100 -	_	1
	KOBE	8.05 Supreme at 4yrs	GREEN 341	Imp Canadian Elk, 7 times winner National Velvet Comp. 485kg. 11.7kg EW Supreme GREEN 41	90 -	_	1
	National Champion 2yr old 5.9kg EW2S National Champion 3yr old 9.2kg	GREEN 645	GREEN 318	BLUE 116 Imp Canadian Elk, 7 times winner National Velvet Comp. 485kg. 11.7kg EW Supreme GREEN 718	80 -	ı	
CHIRON	EWSupreme Champion of Champions 2007 19.9kg EWSupreme at 10 yrs		GREEN 425	REVOLUTION Orr Lake Elk 14.7kg at 6yrs, Winner National	70		
GREEN 067	19.3kg Evvouprenie at 10 yrs 10A 448 5/8		JUNIOR	Velvet Competion, 465 SCI Typical GREEN 25 TARINGA	60 -		% el
		Ex Taringatura Park	14.2kg EW Supreme, SCI Score Winner National Velvet Comp	Imp 15kg EW Supreme, Winner National Velve Comp 3 times	50		elk genes
	GREEN 174	6.8kg at 3yrs 13.85kg EW Supreme at 8yr	ORANGE 20	Orr Lake Elk - 14.kg at 6yrs	40 -		nes
	NZ Wapiti Cow 236kg	GREEN 847 NZ Wapiti Cow 247kg	GREEN 427 GREEN 447	Winner NA Velvet Comp. 465 SCI typical GREEN 027 - Daughter REED BLUE 116 Imp. Capadian Flk. 7 times winner National	30 -		
				Imp Canadian Elk, 7 times winner National Velvet Comp. 485kg. 11.7kg EW Supreme GREEN 132	20 -		
<u> </u>		Birth Date Weaning Wgt N 12 mth weight		/elvet 2 yr 3.7kg 17cm EW3LT	10 -		
9	The state of the s	15 mth weight Growth rate	9	3 yr 5.8kg 19/20cm EW1LT	0 -		_
		9	5mths in 267 days ec 2013: 293kg	Sale Day Weight 308 kg			
	G067		eBV Rank:	PURCHASER			

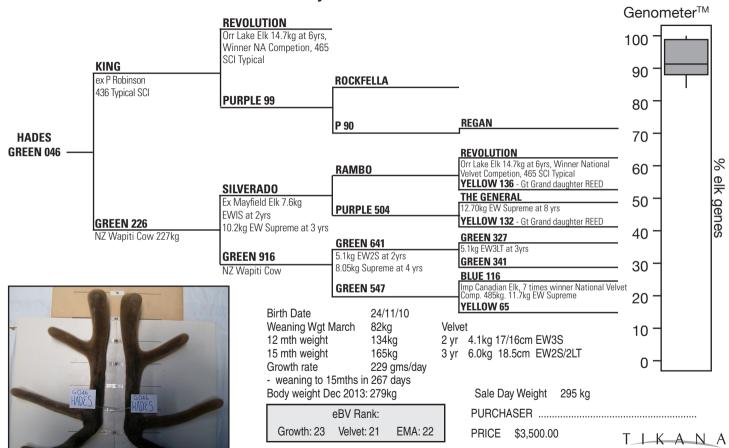
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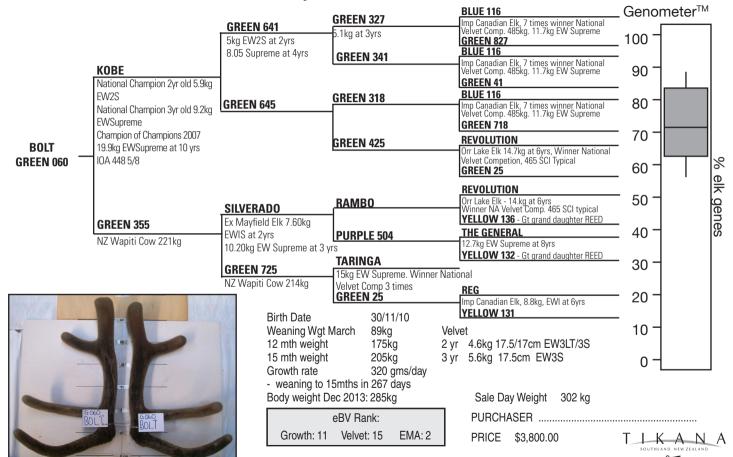
PRICE \$4,000.00

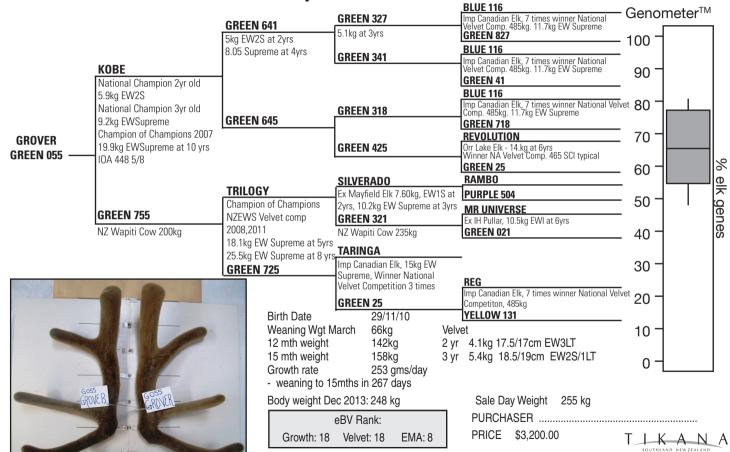
Velvet: 23

Growth: 22

TIKANA 3 yr old NEW ZEALAND ELK BULL







TIKANA YEARLING WAPITI COW

ODEEN 227

SPARTAGUS High Growth eBV 13kg EW Supreme at 6yrs GREEN 203 —	National Champion 2yr old 5.9kg EW2S National Champion 3yr old 9.2kg EWSupreme Champion of Champions 2007 19.9kg EWSupreme at 10 yrs IOA 448 5/8 GREEN 356	GREEN 641 5kg EW2S at 2yrs 8.05 Supreme at 4yrs GREEN 645 GREEN 155 13.7kg EW Supreme at 5yrs G 105	GREEN 327 5.1kg at 3yrs GREEN 341 GREEN 318 GREEN 425 SILVERADO ex Mayfield Elk 7.6kg EW1S at 2yrs 10.2kg EWSupreme at 3yrs GREEN 725 SCORCH EX Taringatura Park, 6.8kg at 3yrs 13.85kg EW Supreme at 8yrs G 305
GREEN 121 NZ Wapiti Cow 279kg	SILVERADO ex Mayfield Elk 7.6kg EW1S at 2yrs 10.2kg EWSupreme at 3yrs GREEN 321 NZ Wapiti Cow 235kg	PURPLE 504 MR UNIVERSE EX IH Pullar, 10.5kg El at 6yrs GREEN 021	REVOLUTION Orr Lake Elk 14.7kg at 6yrs, Winner National Velvet Competion, 465 SCI Typical YELLOW 136 - Gt Grand daughter REED THE GENERAL 12.7kg EW Supreme at 8yrs YELLOW 132 - Gt Grand daughter REED JASPER Imp Canadian Elk RED 74 REG Imp Canadian Elk, 8.8kg EWI at 6yrs

Birth Date 28/11/12 Weaning Wgt March 75 kg
Body weight Dec 2013: 152kg Sale Day Weight 165 kg

PURCHASER PRICE \$3,500.00

COMMENTS: Dam GREEN 121 is full sister to TRILOGY.



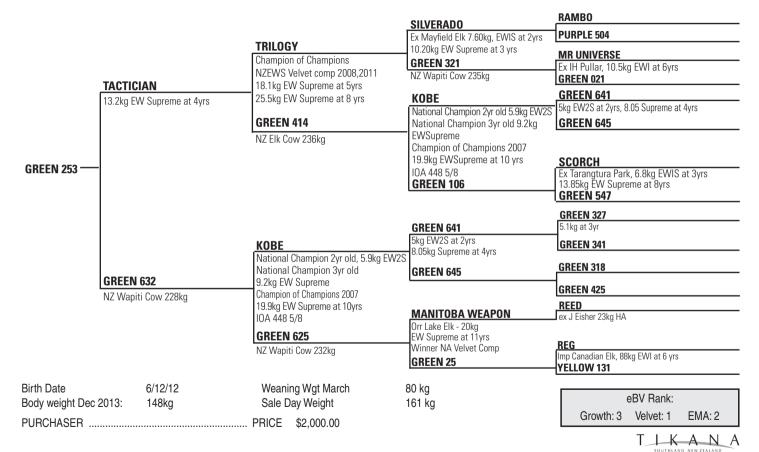
EMA: 4

eBV Rank:

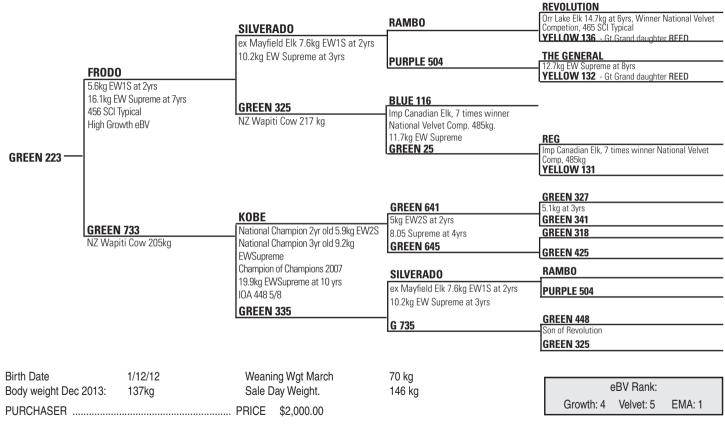
Velvet: 3

Growth: 1

TIKANA YEARLING WAPITI COW



TIKANA YEARLING WAPITI COW



TIKANA YEARLING WAPITI COW

GREEN 228	DECLAN 11.1kg EW Sypreme at 3yrs High Growth eBV	KOBE National Champion 2yr old 5.9kg EW2S National Champion 3yr old 9.2kg EW Supreme Champion of Champions 2007 19.9kg EWSupreme at 10 yrs IOA 448 5/8 GREEN 321 NZ Wapiti Cow 241kg	GREEN 641 5kg EW2S at 2yrs 8.05 Supreme at 4yrs GREEN 341 SCORCH ex Taringatura Park, 6.8kg at 3yrs 13.85 EWSupreme at 8yrs GREEN 321/93	GREEN 327 5.1kg at 3yrs GREEN 341 GREEN 318 GREEN 425 JUNIOR 14.2kg EW Supreme, winner National Velvet Competion. SCI score 512 ORANGE 20 MR UNIVERSE Ex IH Pullar, 10.5kg EWI at 6yrs GREEN 021	
	GREEN 214 NZ Wapiti Cow 225kg	GREEN 914 6kg at 3yrs GREEN 016	CONDOMN 13.6KG EW Supreme at 7yrs GREEN 325 SCORCH Ex Tarangtura Park 6.8kg EWIS at 3yrs 13.85kg EW Supreme at 8yrs GREEN 547	SAMSON - Grandson REED P27 - Grand Daughter REED BLUE 116 Imp Canadian Elk, 7 times winner National Velvet Comp. 485kg. 11.7kg EW Supreme GREEN 25 JUNIOR 14.2kg EWSupreme. Winner National Velvet Comp - SCI Score 512 ORANGE 20 BLUE 116 Imp Canadian Elk, 7 times winner National Velvet Comp. 485kg. 11.7kg EW Supreme YELLOW 65	

Birth Date	11/12/12	Weaning Wgt March	68 kg
Body weight Dec 2013:	150kg	Sale Day Weight	163 kg

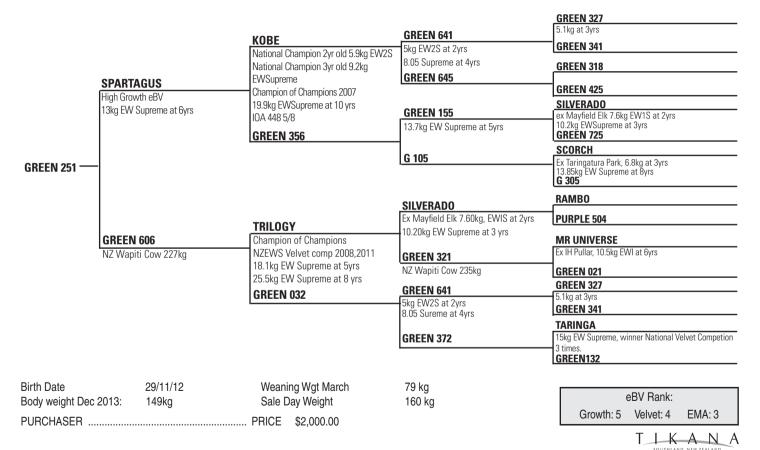
PURCHASER PRICE \$2,500.00

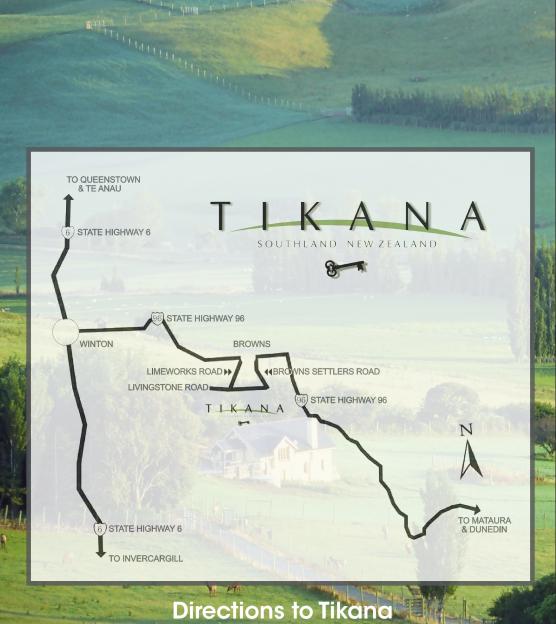
COMMENTS: Dam has produced 4 sons all cutting 5kg or better at 2 years.

eBV Rank: Growth: 2 Velvet: 2 EMA: 5



TIKANA YEARLING WAPITI COW





Record PRINT