

Interpreting

Dairy Goat Genetic Evaluations

Estimated Breeding Values (or EBV's) are an estimation of the genetic value of an animal. They indicate an animal's value as a parent. Individual animals with the best EBVs for a given trait have the highest probability of producing superior progeny for that trait.

Production Traits: Goat proofs are expressed as EBV's for Milk, Fat and Protein in units of kilograms/lactation. A rating of zero is considered to reflect breed average. Bucks (and does) transmit half of the genes to their progeny and therefore 50% of their genetic value. For example, a Buck with +100 for Milk can be expected to sire daughters that produce 50 kg more milk per lactation than daughters of a Buck with 0 for Milk (if kept under the same management and environmental conditions).

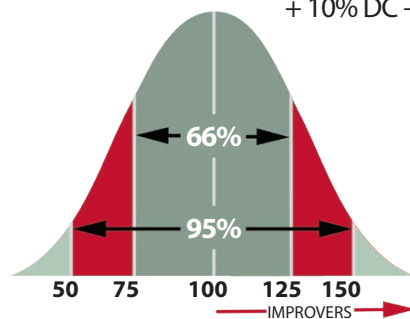
Conformation Traits: Breed average for the Conformation Traits is 5. Bucks which are rated as higher than 5 for a trait are considered to be breed improvers for that trait while those less than 5 are not.

Index Traits: Index Traits combine all important traits into one overall value. This provides a convenient way to select for several traits at once versus individually selecting traits.

Combined Index (CINDX) = 60% PINDX + 40% TINDX

Production Index (PINDX) = 50 % Milk (kg) + 50% Fat (kg)

**Type Index (TINDX) = 25% GA + 15% SL + 12% RU + 12% FU
+ 10% DC + 4% TE + 10% BC + 12% FL**



Breed Average = 100

Ranking - Buck EBV

Top 5% ~ >140

Top 10% ~ >130

Top 20% ~ >120

Top 30% ~ >110

Advantages

of Artificial Insemination

For decades, it has been known that goat breeders have significant opportunities to make rapid and substantial genetic gains with the use of goat Artificial Insemination (A.I.). This potential comes from the fact that goats naturally have a very large amount of genetic variability; traits of economic importance are very heritable (genetics can have a big impact); and goats have a relatively short generation interval. This means that goat breeders can rapidly produce more off-spring from their best females in bigger numbers.

Advantages of A.I.

- ▶ **Increased rate of genetic improvement** due to the superior genetics of the bucks (50% is passed along to the next generation).
- ▶ **Introduces unique genetics** into your herd which can be used on targeted females or bloodlines for greater potential to achieve your goals for your herd.
- ▶ **Limits the negative impact of a natural-service buck** which fails to transmit traits of importance as expected.
- ▶ **Reduces the risk of transmission of diseases** and parasites through direct contact from a buck.
- ▶ **Reduces your cost** of feeding, housing, fencing and labour related to maintaining a buck.
- ▶ **Accurate record keeping** for heats, breeding dates, and pedigrees will lead to more accurate kidding dates, culling decisions and reduced inbreeding levels.

For more details on how you can increase the genetic potential of your herd with A.I., email: goats@eastgen.ca.

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January 2023 Goat Genetic Evaluations

Price	Breed	Name	Registration Number	OVERALL INDEXES			PRODUCTION TRAITS					CONFORMATION TRAITS							PEDIGREE				
				Combined	Production	Type	Daughter /Herd	Milk (kg)	Fat (kg)	% Fat Dev.	Protein (kg)	% Protein Dev.	Teats	Fore Udder	Rear Udder	Median Susp. Ligament	Dairy Character	Body Capacity	General Appearance	Feet & Legs	Sire	Dam	Buck
ALPINE																							
\$50	Petite-Anse Colt	<i>DA VINCI</i>	CA145825	126	138	92	15/2	193	2.34	-0.39	4.07	-0.13	4.6	4.8	4.9	5.1	4.9	4.7	5.1	4.9	Weaver's Colt	Petite-Anse Sirius Akinou	0072AI00006
\$40	Petite-Anse Captain	<i>EOMER</i>	CA145827	115	106	120	1/1	51	-0.21	-0.25	1.23	-0.05	4.8	5.1	5.2	5.0	5.5	5.0	5.4	5.2	PJ-Bailey's Denali Cpt America	Petite-Anse Wallace Saturn	0072AI00009
\$55	Petite-Anse Colt	<i>ERCULES</i>	CA145831	144	138	126	0/0	171	2.99	-0.16	4.03	-0.05	4.9	5.1	5.2	5.2	5.1	5.0	5.6	5.1	Weaver's Colt	Petite-Anse Wallace Zircon	0072AI00007
\$30	Pleasant-Grove Mink	<i>MAESTRO **</i>	A112317	106	60	172	9/3	-166	-3.58	0.11	-4.07	0.06	5.1	6.5	5.8	5.8	4.4	4.8	6.0	5.2	Pleasant-Grove Super Standout	Pleasant-Grove Super Mink	OCF AI-04
\$45	Yamaska Vaza	<i>SKYPE</i>	CA143684	120	128	95	1/1	98	3.19	0.14	2.24	0.04	4.7	4.8	5.2	5.2	4.7	4.7	5.0	5.0	Vaza	Yamaska Nirvana Freckles	0072AI00008
\$30	Weavers	<i>SOLAR STORM</i>	A124013	105	82	137	4/1	-88	-1.23	0.19	-2.36	0.00	4.9	5.3	5.8	5.4	5.1	5.2	5.3	5.1	Howcroft QBS Sential	Weaver's LAvenir Sunshine	0072AI00002
\$30	Weavers	<i>SUPER NOVA</i>	A124012	102	82	130	1/1	-58	-2.10	-0.10	-2.13	-0.05	4.8	5.2	5.7	5.3	5.0	5.1	5.3	5.1	Howcroft QBS Sential	Weaver's LAvenir Sunshine	0072AI00003
SAANEN																							
\$30	Kampfire Emmott's	<i>ADAM</i>	S129137	96	91	105	6/2	-27	-1.12	-0.11	-1.00	-0.06	6.0	5.4	5.0	5.1	5.3	5.0	4.6	5.1	Kampfire E Otis's Emmott	Brighter Future's Ashley	0072EN00009
\$25	Kampfire Emmott's	<i>ANDREW</i>	S129135	96	87	112	0/0	-40	-1.72	-0.15	-1.10	-0.04	5.7	5.5	5.4	5.2	5.2	4.9	4.6	5.2	Kampfire E Otis's Emmott	Kampfire Shawnee's Allison	0072EN00010
\$40	Grasshill Trooper	<i>CLIMAX</i>	S127293	122	115	118	0/0	54	1.61	-0.10	1.70	-0.01	5.6	5.4	5.8	5.3	5.3	4.8	4.8	5.0	Grasshill True Test Trooper	Grasshill Nightrider Cymbal	0072EN00008
\$75	Grasshill KP	<i>CLOVERLEAF</i>	S126305	112	113	102	0/0	58	1.05	-0.05	1.57	0.03	5.6	4.9	5.0	5.2	4.9	4.9	5.0	5.0	Grasshill Knight Prince	Grasshill Dynamo Cinnamon	0072EN00017
\$35	Grasshill Tribute	<i>CORNERSTONE</i>	S111981	97	77	128	7/1	-111	-1.59	0.09	-2.72	0.01	5.9	5.6	5.8	5.4	5.4	5.0	4.7	5.0	Grasshill Dynamo Tribute	Grasshill S Cersten	0072EN00006
\$42	Kapra Vista LGI	<i>DESTINY</i>	CS147653	126	141	104	0/0	140	4.50	0.05	4.30	0.01	5.1	5.1	5.3	5.4	5.1	5.3	4.9	4.9	Loughlin's Grand Illusion	Kapra Vista Believe N Fate	0072EN00030
\$45	Pepperpot CA	<i>DICTATOR</i>	S137788	140	134	124	2/1	170	2.18	-0.21	2.81	-0.04	5.3	5.4	5.1	5.1	5.1	5.2	5.3	5.0	Capricorn View Winner Altair	Pepperpot PPH Destiny's Child	0072EN00028
\$40	Kapra Vista Icon	<i>FRANCHISE</i>	CS125355	111	99	127	0/0	25	-0.90	-0.05	0.00	0.08	5.4	5.4	4.8	5.3	5.1	5.3	5.2	4.9	Tres Amigo Dividend Icon	Tres Amigo Alfonso Fenom	0072EN00005
\$58	Sherry's BW	<i>GRASSHOPPER</i>	CS147652	139	139	138	0/0	170	2.90	-0.05	3.60	-0.05	5.1	5.2	5.3	5.6	5.1	5.7	5.1	5.0	Kapra Vista LGI Boy Wonder	Sherry's SUV Cricket	0072EN00031
\$60	Sherry's Secret	<i>IDRIS</i>	CS147651	143	166	108	0/0	245	6.90	-0.04	5.10	-0.04	5.2	5.1	5.1	5.3	5.0	5.3	5.2	4.9	Kapra Vista Dre Not A Secret	Sherry's SUV Irish	0072EN00032
\$38	Ran-Cher Acres Vegas's	<i>JADEN</i>	S147957	112	112	105	0/0	27	1.76	0.23	0.27	-0.08	5.9	5.2	5.3	5.0	5.2	5.0	4.7	5.1	Givernay Only in Vegas	Ran-Cher Acre's Sultan's Jade	0072EN00034
\$35	Caprikorn Farro	<i>JUPITER</i>	CS147927	86	66	116	2/1	-132	-3.40	-0.04	-3.10	0.02	5.2	5.0	5.3	5.3	5.1	5.5	5.0	4.9	Caprikorn ZR Farro	Caprikorn Boss Eridana	0072EN00033
\$40	Grasshill Terrain	<i>SHERIFF</i>	S141562	126	137	93	0/0	142	3.68	-0.09	4.10	-0.01	5.3	5.2	5.3	5.1	4.9	4.7	4.7	4.9	Grasshill Buckaroo Discovery	Grasshill Duracell Shade	0072EN00013
\$38	Ran-Cher Acres Vegas's	<i>TAMRYN</i>	S148553	114	116	102	0/0	57	1.82	0.09	1.38	-0.05	5.7	5.0	5.0	4.8	5.4	5.0	4.9	5.0	Givernay Only in Vegas	Ran-Cher Acres Cecil's Tammy	0072EN00035
\$45	Kapra Vista LA	<i>WINDBREAK</i>	CS147650	120	121	120	0/0	99	1.50	-0.06	1.40	-0.01	5.4	5.0	5.2	5.5	5.2	5.4	5.0	5.0	Loughlin's Avalanche	Kapra Vista LGI Willa	0072EN00029
\$75	Grasshill Sheik	<i>WINNER</i>	S141346	119	119	108	0/0	24	1.50	0.38	1.15	0.06	4.9	5.4	5.4	5.2	5.0	4.9	4.9	4.8	Grasshill Knight Prince Sheik	Grasshill Dynamo Whim	0072EN00014
LA MANCHA																							
\$35	Double*Dutch* TEC	<i>ATREYU</i>	L145140	89	87	98	0/0	-50	-1.36	0.09	-0.74	0.06	4.8	5.0	5.1	5.1	4.9	4.9	5.0	5.0	Tempo Everclear	Merigold KWF Enchanted	0072LN00001
\$40	Raintree EZ	<i>MR DARCY</i>	L138612	103	93	118	0/0	-21	-0.90	0.13	-0.20	0.06	5.1	5.4	5.4	5.1	5.4	5.0	4.9	5.1	J-Haven's EE Livin' Easy	Raintree OL Caramel Swirl	0072LN00002
\$30	Tempo	<i>SPITZ **</i>	L112316	83	83	94	3/2	-41	-2.40	-0.29	-1.18	0.01	4.7	4.9	4.9	5.1	5.1	5.0	4.8	5.1	Tempo Liggety	Tempo Jamie	OCF LN-05
NUBIAN																							
\$30	Lakshore-Farms	<i>HITTHEJACKPOT **</i>	N112318	86	89	92	0/0	-22	-1.81	-0.19	0.33	0.10	5.1	4.7	4.7	4.8	5.1	5.1	5.1	5.0	Kastdemur's At Your Service	Lakeshore-Farms Julie's Jaguar	OCF NU-13
\$48	Haldibrook	<i>KING CANDY</i>	N132969	147	148	116	0/0	132	6.55	0.11	2.98	0.06	4.7	5.4	5.4	4.9	5.2	4.9	5.1	5.1	Hoanbu Status Symbol	Caprix IMP T-Sugar	0072NU00001
TOGGENBURG																							
\$30	La Mountain NAKG	<i>CEDARWOOD</i>	T133134	91	92	96	0/0	-11	-1.46	-0.27	-1.38	0.01	6.0	5.5	5.1	5.0	5.1	4.8	4.5	4.9	Neshaminy Acres KM Goldenrod	La Mountain GCE Zinnia	0072TO00002

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