

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).

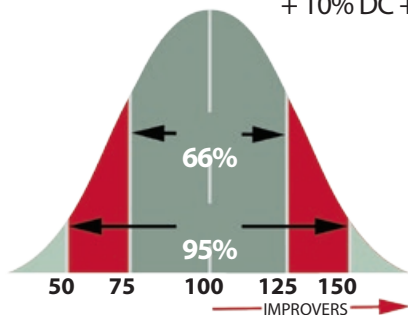
Conformation Traits: Breed average for the Conformation Traits is 5. Bucks which are rated as higher than 5 for a trait are considered to be breed improvers for that trait while those less than 5 are not.

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.

Guelph Office

760 Mill Road, Guelph, ON
N1H 6J1 Tel: (519) 821-2150
1-888-821-2150
Fax: (519) 763-6582

Kemptville Office

Box 99, Kemptville, ON
K0G 1J0 Tel: (613) 258-5944
1-888-821-2150
Fax: (519) 763-6582

EastGen

Invest in your future



Dairy Goat

Proofs December 2018

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 Semen Code	
ALPINE																							
\$45	Petite-Anse Colt	<i>DA VINCI</i>	CA145825	128	131	106	0/0	139	2.49	-0.25	3.30	-0.11	5.0	4.9	5.0	5.2	4.9	4.8	5.3	4.9	Weaver's Colt	Petite-Anse Sirius Akinou	0072AI00006
\$40	Petite-Anse Captain	<i>EOMER</i>	CA145827	120	112	120	0/0	54	1.04	-0.09	1.56	-0.04	4.8	5.1	5.2	5.0	5.2	5.1	5.4	5.1	PJ-Bailey's Denali Cpt America	Petite-Anse Wallace Saturn	0072AI00009
\$50	Petite-Anse Colt	<i>ERCULES</i>	CA145831	146	132	137	0/0	128	3.11	-0.02	3.38	-0.06	5.4	5.2	5.3	5.2	5.0	5.1	5.7	5.1	Weaver's Colt	Petite-Anse Wallace Zircon	0072AI00007
\$30	Pleasant-Grove Mink	<i>MAESTRO **</i>	A112317	115	71	172	9/2	-133	0.23	-2.32	0.07	-3.16	5.2	6.6	5.8	5.8	4.5	4.8	5.9	5.2	Pleasant-Grove Super Standout	Pleasant-Grove Super Mink	OCF AI-04
\$45	Yamaska Vaza	<i>SKYPE</i>	CA143684	134	138	127	0/0	130	4.25	0.07	3.18	-0.02	5.2	5.3	5.5	5.4	5.0	5.1	5.2	5.1	Vaza	Yamaska Nirvana Freckles	0072AI00008
\$30	Weavers	<i>SOLAR STORM</i>	A124013	110	88	136	96/1	-66	-0.57	0.25	-1.57	0.02	5.1	5.3	5.9	5.3	5.1	5.2	5.2	5.2	Howcroft QBS Sential	Weaver's LAvenir Sunshine	0072AI00002
\$30	Weavers	<i>SUPER NOVA</i>	A124012	114	95	133	9/1	-24	-0.36	-0.05	-0.64	-0.04	5.0	5.2	5.8	5.3	5.1	5.2	5.2	5.2	Howcroft QBS Sential	Weaver's LAvenir Sunshine	0072AI00003
SAANEN																							
\$35	Kampfire Emmott's	<i>ADAM</i>	S129137	96	86	113	0/0	-23	-0.17	0.01	-0.85	-0.06	5.5	5.4	5.2	5.4	5.1	5.1	5.0	5.0	Kampfire E Oti's Emmott	Brighter Future's Ashley	0072EN00009
\$30	Kampfire Emmott's	<i>ANDREW</i>	S129135	95	83	116	0/0	-44	-1.45	-0.13	-1.28	-0.05	5.5	5.5	5.4	5.4	5.1	5.1	4.8	5.1	Kampfire E Oti's Emmott	Kampfire Shawnee's Allison	0072EN00010
\$40	Grasshill Trooper	<i>CLIMAX</i>	S127293	112	103	119	0/0	28	1.57	-0.02	1.34	0.02	5.6	5.3	5.7	5.5	5.3	5.0	4.9	5.0	Grasshill True Test Trooper	Grasshill Nightrider Cymbal	0072EN00008
\$75	Grasshill Xmas	<i>COMET</i>	S140862	141	146	108	0/0	182	6.02	0.02	4.90	-0.04	5.3	5.2	5.4	5.3	5.2	4.9	4.9	5.1	Grasshill KP Cloverleaf	Grasshill Narrator Xmas	0072EN00024
\$45	Grasshill Tribute	<i>CORNERSTONE</i>	S111981	118	103	128	100/1	-14	1.17	0.15	0.37	0.05	5.7	5.5	5.5	5.4	5.3	5.2	4.9	5.0	Grasshill Dynamo Tribute	Grasshill S Cersten	0072EN00006
\$45	Kapra Vista LGI	<i>DESTINY</i>	CS147653	126	145	98	0/0	192	5.50	-0.07	6.50	0.02	5.3	5.2	5.2	5.9	5.3	5.8	5.2	5.0	Loughlin's Grand Illusion	Kapra Vista Believe N Fate	0072EN00030
\$35	Pepperpot CA	<i>DICTATOR</i>	S137788	108	101	114	1/1	22	-0.54	-0.18	-0.35	-0.02	5.1	5.3	5.1	4.7	5.2	5.1	5.3	5.1	Capricorn View Winner Altair	Pepperpot PPH Destiny's Child	0072EN00028
\$40	Kapra Vista Icon	<i>FRANCHISE</i>	CS125355	115	106	128	0/0	32	0.41	-0.06	0.68	-0.03	5.3	5.5	5.0	5.5	5.4	5.9	5.3	4.9	Tres Amigo Dividend Icon	Tres Amigo Alfonso Fenom	0072EN00005
\$60	Sherry's BW	<i>GRASSHOPPER</i>	CS147652	144	148	138	0/0	200	4.22	-0.31	4.45	-0.18	5.3	5.5	5.4	5.9	5.5	5.9	5.3	5.1	Kapra Vista LGI Boy Wonder	Sherry's SUV Cricket	0072EN00031
\$55	Sherry's Secret	<i>IDRIS</i>	CS147651	130	153	95	0/0	207	5.13	-0.24	3.90	-0.23	5.2	5.0	5.3	5.9	5.1	5.9	5.2	4.8	Kapra Vista Dre Not A Secret	Sherry's SUV Irish	0072EN00032
\$30	Ran-Cher Acres Vegas's	<i>JADEN</i>	S147957	98	97	101	0/0	-21	0.00	0.15	-0.74	-0.04	5.6	5.1	4.9	4.9	5.1	5.1	4.9	5.0	Givernay Only in Vegas	Ran-Cher Acres Sultan's Jade	0072EN00034
\$55	Caprikorn Farro	<i>JUPITER</i>	CS147927	141	158	115	0/0	184	6.95	0.00	4.90	-0.08	5.3	5.0	5.1	5.3	5.1	5.9	5.1	5.0	Caprikorn ZR Farro	Caprikorn Boss Eridana	0072EN00033
\$100	Grasshill Discovery	<i>RADAR</i>	S141577	135	149	93	0/0	153	5.90	0.23	4.84	0.03	5.1	4.9	5.0	5.0	5.0	4.8	4.9	5.1	Grasshill Buckaroo Discovery	Grasshill ParamourRaspberry	0072EN00023
\$30	Ran-Cher Acres Vegas's	<i>TAMRYN</i>	S148553	98	100	97	0/0	-5	0.14	0.06	0.07	-0.02	5.3	4.9	4.6	4.7	5.3	5.2	5.1	5.0	Givernay Only in Vegas	Ran-Cher Acres Cecil's Tammy	0072EN00035
\$45	Kapra Vista LA	<i>WINDBREAK</i>	CS147650	118	122	113	0/0	88	2.18	-0.10	2.36	-0.04	5.2	5.1	5.1	5.2	5.1	5.2	5.0	5.0	Loughlin's Avalanche	Kapra Vista LGI Willa	0072EN00029
LA MANCHA																							
\$40	Double*Dutch*	<i>TEC ATREYU</i>	L145140	98	94	106	0/0	-21	-0.75	0.00	-0.41	0.02	5.2	5.1	5.1	5.1	5.0	4.9	5.0	5.0	Tempo Everclear	Merigold KWF Enchanted	0072LN00001
\$45	Raintree EZ	<i>MR DARCY</i>	L138612	123	118	130	0/0	25	3.10	0.25	1.40	0.07	5.8	5.1	5.4	5.5	5.2	5.3	5.1	5.1	J-Haven's EE Livin' Easy	Raintree OL Caramel Swirl	0072LN00002
\$30	Tempo	<i>SPITZ **</i>	L112316	88	91	91	2/2	-17	-1.54	-0.26	-0.28	0.00	4.7	4.8	4.9	5.0	5.1	5.0	4.8	5.1	Tempo Liggety	Tempo Jamie	OCF LN-05
NUBIAN																							
\$30	Lakshore-Farms	<i>HITTHEJACKPOT **</i>	N112318	93	101	82	0/0	10	0.07	-0.07	-0.05	0.01	5.1	4.6	4.6	4.8	5.2	5.0	5.0	4.9	Kastdemur's At Your Service	Lakeshore-Farms Julie's Jaguar	OCF NU-13
\$45	Haldibrook	<i>KING CANDY</i>	N132969	155	159	115	0/0	165	7.91	0.05	3.76	0.08	5.1	5.4	5.3	4.9	5.2	4.9	5.1	5.1	Hoanbu Status Symbol	Caprix IMP T-Sugar	0072NU00001
TOGGENBURG																							
\$35	La Mountain NAKG	<i>CEDARWOOD</i>	T133134	91	82	111	0/0	-53	-2.38	-0.23	-1.62	0.00	5.7	5.4	5.0	4.9	5.2	5.1	5.0	4.9	Neshaminy Acres KM Goldenrod	La Mountain GCE Zinnia	0072TO00002
\$45	La Mountain GCE	<i>DOGWOOD</i>	T133140	118	114	113	0/0	89	0.30	-0.33	0.61	-0.13	5.7	5.4	5.0	4.8	5.1	4.9	5.3	4.9	Galilee EF Czoo's Emissary	La Mountain GNA Jasmine	0072TO00001

