



Launched in 1997 and independently owned, Normande Genetics' mission is to strengthen North American dairies by introducing the Normande breed. We believe the ultra-specialized U.S. dairy breeds suffer from functional fatigue with low fertility and longevity in both intensive and grass-based systems. By contrast, the Normande cow retains its naturally wholesome, balanced traits including muscularity, body condition, fertility and low-grain adaptability, making it an excellent choice for any cross-breeding program. In addition to its multiple contributions to herd health, Normande stands out among all breeds used in cross-breeding for its remarkable added value: extremely high components, unique cheese and beef qualities, and exceptional docility. Studies in both France and the U.S. show Normande x Holstein crosses out-perform their parent breeds, providing higher lifetime profits than Holstein purebreds.

### strength & fertility

- body condition & sturdiness: Normande's dual-purpose qualities help the breed maintain excellent condition and health on little grain or no grain
- fertility: many studies show the breed's superior fertility vs. other specialized dairy breeds
- vigorous & strong calves: easy-to-raise offspring with a good premium in both U.S. and European markets
- docility: Normande cows and bulls are known for their excellent dispositions
- reliable genetics: close to 200,000 cows on test and many new bulls every year using the most advanced genomics and testing techniques

### added value

- exceptional components: 4.3 fat and 3.67 protein reflecting Normande's centuries-old selection for high-quality butter and cheeses
- cheesemaking: ideal milk for cheese thanks to high protein %, medium-sized fat micelle, high calcium and high BB Kappa Casein prevalence (BB Kappa Casein milk yields up to 10% more than AA Kappa Casein)
- one of the highest % of A2A2 cows of any dairy breed
- beef quality: unique marbling and early maturing qualities for steers and cull cows finished on grass make Normande one of France's most successful beef labels
- branding power: selling added value products requires marketing a story. Normande cows are the source of one of the world's most fabled cheeses, Camembert, along with other highly regarded cheeses, rich cream and butter, and marbled steaks



TinoRossi

### A few tips to understand our proofs

**ISU = French Normande TPI = 26% production (12% F + 14% P) + 21.25% type (4.5% muscularity + 3% frame + 6.5% feet & legs + 7.25% udder) + 12.5% veal & steer value + 16% udder health (9.5% cell + 6.5% mastitis) + 13.5% fertility + 6% longevity + 4.75% milk speed**

**Beef value composite:** 15% frame + 22.5% muscularity + 11.25% veal growth + 10% veal conformation + 2.25% veal color + 11.25% steer growth + 27.5% steer conformation

**Feet & legs composite:** 20% rear legs rear view + 10% bone quality + 30% foot angle + 20% rear legs side view + 20% locomotion

**Sire and daughter calving ease:** average equals 89. 90 is a better calving ease; 88 is less calving ease.

### For only the seven criteria listed below, "0" is optimum.

- rump angle: + is sloped.
- back line: + is curved up.
- rear legs side view: + is posty.
- rear legs rear view: + is straight.
- foot angle: + is steep.
- udder balance: + is high rear quarters.
- teat direction: + is internal.

**Functional traits:** positive values are desirable for all.

### Why crossbreeding?

By crossbreeding with Normande you gain the double advantage of hybrid vigor and use of a "strength" breed. Hybrid vigor eliminates inbreeding and appears to provide synergy for both health and production traits; strength and body condition are equally important to health and fertility. A rotational 3-way cross is the best way to maintain hybrid vigor effects.

### aAa® numbers

Lamier.....	531426	Password.....	432561
Landel.....	345216	Pelé.....	513642
Licorice.....	453216	Pilier.....	342156
Maanonu.....	456312	Portsall.....	435261
Nestar.....	354126	Riddick.....	345216
Niville.....	531462	Taroyal.....	423516
Ocasse.....	432561	Tinorossi.....	516342
Olympe.....	342561	Treasure.....	531462
Oroi.....	435261	Twist.....	153624
Paluel.....	534126	Tzess.....	516324
Paris.....	432561		

### semen fertility ranking

+++	Olympe, Oroï, Paris, Password, Pilier, Portsall, Riddick, Seagal
++	Licorice, Pele, Paluel, Reflexion
+	Lamier, Landel, Maanonu, Nestar, Nintendo, Niville, Ocasse

## Normande proof and price list – production and type breeding values – december 2024

	production								frame					muscle				feet & legs								udder							functionals & health								pedigree			price										
	reliability	daughters	ISU (Normande TPI)	protein lbs	fat lbs	protein + fat (lbs)	protein %	fat %	milk	stature	body width	body depth	width at pins	rump angle	back line	feed efficiency	body condition	muscularity	beef value composite	rear legs side view	bone quality	foot angle	rear legs rear view	locomotion	feet & legs composite	digital dermatitis (hairy warts)	corns (interdigital hyperplasia)	sole ulcer	foot health composite	fore udder attachment	udder balance	udder depth	rear attachment	teat direction	front teat placement	ligament	udder composite	milk speed	temperament	somatic cell count	clinical mastitis	udder health composite	longevity	fertility cows	fertility heifers	calving-1st AI interval	fertility composite	calving ease	kappa casein	beta casein	sire	maternal grand sire	NAAB code	price
Lamier	95	452	116	9	48	57	0.01	0.30	271	-1.2	-1.1	-1.2	-1.2	1.1	-0.2	-0.7	-0.3	-0.4	-1.1	0.5	1.9	-0.5	1.0	0.7	0.6	0.8	0.9	-0.1	0.5	0.8	1.9	0.2	0.3	0.3	0.1	0.3	0.7	0.7	0.8	0.8	0.3	0.7	0.4	0.6	-0.3	-0.5	0.2	2.2	AB	A2A2	Holen Hoz	Fambrien	183N046	\$20
Landel	95	741	122	35	62	97	-0.15	-0.07	1676	-0.8	-0.9	-0.8	-1.2	-0.6	-0.5	-0.5	-0.5	-1.0	-0.5	0.1	0.6	-0.5	0.2	0.4	0.1	0.7	0.1	1.2	0.5	1.3	0.7	0.4	0.7	0.5	0.3	-0.1	0.5	0.0	-0.8	0.8	-1.4	-0.2	1.0	1.8	0.9	-1.6	1.3	1.5	AB	A2A2	Handelles	Bouclier	183N045	\$20
Licorice	95	1348	122	55	48	103	0.26	0.17	682	-0.1	-0.2	0.1	-0.9	0.5	1.0	0.4	-0.3	-0.6	-1.4	1.5	-0.5	0.9	1.2	2.0	1.5	0.3	0.6	-0.3	0.2	0.7	1.2	-0.2	1.5	0.9	0.4	1.0	0.8	-0.6	-0.4	0.0	0.5	0.2	0.2	0.5	1.5	-0.2	0.9	1.2	BB	A2A2	Iroquois	Atome	183N043	\$23
Maanonu	95	735	13	90	110	200	0.05	0.00	2519	-0.3	-0.4	0.2	-0.7	-1.0	-0.2	1.4	-1.7	-1.3	-1.4	-0.8	0.2	0.5	0.8	0.2	0.3	-0.6	-1.0	-0.3	-0.5	1.4	1.1	0.5	0.8	1.8	2.0	1.8	1.5	0.8	-0.3	-0.1	1.6	0.6	-0.6	-0.9	0.8	-0.8	-0.5	1.4	AB	A2A2	Fortain	Folden	183N053	\$23
Nestar	95	778	167	123	161	284	0.02	0.02	3628	-0.5	-0.2	0.1	-0.3	-0.6	0.0	2.9	-0.1	-0.2	1.3	0.1	0.7	-0.2	0.1	0.7	0.2	0.5	1.3	0.3	0.6	0.4	0.4	-0.7	0.8	-0.3	-1.0	0.3	-0.1	-0.9	0.0	2.5	1.1	2.2	0.6	0.3	0.3	-1.9	-0.1	1.0	AB	A2A2	Jesse	Unnoel	183N058	\$24
Nintendo	95	691	116	62	48	110	0.09	-0.12	1591	0.9	0.0	0.2	0.2	-0.7	-0.1	0.6	-0.7	-0.6	-0.5	0.7	0.7	-0.9	0.8	0.3	0.2	0.6	0.4	0.7	0.3	0.8	0.8	0.8	2.8	0.6	1.1	0.4	1.0	0.5	0.2	0.3	0.1	0.2	-0.1	-0.4	-0.6	-1.5	-0.9	1.0	BB	A2A2	Jobyjoba	Holen Noz	183N056	\$23
Niville	95	369	140	40	77	117	0.00	0.17	1287	0.1	0.7	0.6	1.1	-1.6	0.2	0.8	1.2	0.1	1.0	0.5	0.1	-0.8	0.1	1.0	0.1	0.5	-0.3	0.8	0.4	0.6	0.3	-0.3	1.4	0.4	0.4	0.8	0.4	0.8	-0.3	1.0	-0.7	0.4	1.1	1.0	0.5	0.7	1.1	1.1	BB	A2A2	Landel	Atome	183N057	\$21
Ocasse	95	256	155	42	125	167	0.10	0.64	948	0.3	1.0	0.5	-0.8	2.1	1.0	1.9	0.9	1.4	1.7	0.4	-0.1	1.7	-0.2	1.2	1.0	0.1	0.2	0.3	0.1	0.9	0.0	0.4	-0.2	0.0	0.2	0.4	0.3	-0.4	-0.1	1.2	0.4	1.0	0.8	0.8	0.7	0.4	1.0	1.1	AB	A2A2	Lepanto	General	183N061	\$23
Olympe	94	170	126	51	84	134	0.39	0.60	172	-0.2	-0.3	-0.4	0.2	-0.2	1.4	1.5	0.3	0.3	0.9	2.0	0.8	1.3	0.9	2.2	1.9	1.4	1.1	0.8	1.0	0.6	0.7	-0.1	-0.4	0.5	0.0	-0.1	0.2	1.0	-0.3	-0.4	-1.1	-0.8	-0.7	0.0	-0.7	0.7	-0.1	1.6	BB	A2A2	Maneville	Fornells	183N059	\$22
Oroi	95	873	142	68	117	185	-0.11	0.05	2508	-0.4	0.9	0.5	0.6	0.3	0.8	1.7	0.2	1.0	1.1	0.1	0.3	1.0	1.3	1.3	1.1	1.0	0.6	-1.1	0.2	0.4	0.2	0.7	0.4	0.9	0.2	1.1	0.7	1.2	-0.8	0.3	0.5	0.4	0.9	-1.2	-1.1	0.5	-1.2	0.7	BB	A2A2	Fuseos Isy	Ibernatus	183N063	\$24
Paluel*	95	204	152	51	40	90	0.12	-0.03	1151	-0.4	0.6	0.1	-0.5	2.0	1.3	0.9	0.7	1.0	0.8	0.8	-0.5	0.7	0.5	0.7	0.6	-0.6	-0.4	0.4	-0.1	0.4	0.5	0.7	0.2	0.5	-0.3	0.9	0.6	-0.5	-0.1	1.5	0.2	1.1	2.1	2.3	1.0	1.0	2.3	1.2	BB	A2A2	Milko	Himpala	183N075	\$25
Paris	78	17	137	64	64	128	0.07	-0.07	1712	0.8	1.2	0.7	0.6	1.1	-0.2	1.4	0.7	1.1	0.8	0.9	-0.5	1.9	0.6	0.9	1.3	1.1	0.7	-1.0	0.2	0.2	-0.1	0.2	0.2	0.0	0.6	0.9	0.4	-1.2	0.6	0.6	1.4	1.0	0.2	0.1	0.0	-0.4	0.0	0.1	BB	A2A2	Fuseos Isy	Uvray	183N065	\$24
Password	88	67	157	101	101	202	0.16	-0.02	2499	0.9	1.4	1.2	-0.1	-0.1	0.6	2.4	0.0	0.0	0.1	0.1	0.5	-0.1	0.2	0.0	0.1	-0.2	0.2	-0.6	-0.2	0.2	0.6	0.2	0.9	-0.3	0.9	-0.3	0.4	-0.8	0.0	1.5	1.6	1.7	1.7	1.0	0.4	0.8	1.1	0.6	AB	A2A2	Mille DT	Folden	183N066	\$25
Pelé	77	11	153	97	101	198	0.41	0.31	1492	0.1	-0.2	0.3	0.3	-0.1	0.7	2.4	-1.1	-0.6	0.5	1.1	0.1	0.8	1.7	1.5	1.4	1.6	1.2	0.3	0.9	-0.1	0.7	0.8	1.5	1.1	1.0	0.6	0.9	0.3	1.0	0.9	0.7	0.9	0.4	0.2	0.9	-1.6	0.1	0.9	BB	A2A2	Manchester	Infinity	183N067	\$24
Pilier	82	25	166	90	141	231	0.12	0.35	2328	0.4	-0.1	0.7	0.6	-1.3	0.4	2.4	0.0	-0.4	0.3	0.4	1.4	2.0	1.1	1.6	1.7	1.7	1.9	-0.2	0.9	0.6	0.8	-0.1	0.8	0.0	0.9	1.0	0.7	0.1	-0.1	1.6	0.8	1.4	0.7	1.3	0.8	-0.1	1.2	1.0	AB	A2A2	Marvel	Bainville	183N068	\$26
Portsall	79	14	146	112	95	207	0.19	-0.16	2655	1.1	-0.6	0.1	-0.2	-0.2	-0.2	1.7	-1.1	-1.5	-1.0	0.5	1.3	0.8	0.2	0.5	0.8	1.1	1.2	1.6	0.9	0.3	0.6	1.2	2.5	0.7	0.6	1.2	1.1	0.7	0.7	1.5	0.8	1.4	0.4	0.1	-0.1	-1.7	-0.4	1.3	BB	A2A2	Nintendo	Jolfover	183N069	\$24
Reflexion	74	149	95	139	233	0.26	-0.38	1965	-0.8	0.7	-0.3	-0.5	0.3	-0.2	2.8	0.4	0.6	0.2	0.2	0.2	0.0	1.7	1.6	2.0	1.2	1.3	1.4	0.2	0.6	2.0	0.8	0.3	0.7	0.4	0.6	-0.3	0.6	-0.4	-0.7	1.0	0.5	0.9	-0.1	-0.7	0.8	0.7	-0.1	0.4	BB	A2A2	Ghypsy	Jolfover	183N074	\$24
Riddick*	74	150	42	84	125	0.02	0.24	1256	0.2	-0.4	0.1	0.2	0.1	-1.4	0.4	-1.1	-1.1	-0.5	1.7	1.9	0.9	2.5	2.5	2.2	0.6	0.5	-0.5	0.2	0.5	1.2	-0.5	1.9	1.3	1.0	0.7	0.7	-0.4	-0.3	1.3	0.2	1.0	1.3	1.9	1.1	1.2	2.0	1.4	BB	A2A2	Nagua	Honfleur	183N071	\$25	
Seagal*	74	148	73	90	163	0.03	0.02	2086	0.6	0.7	0.3	0.2	-0.1	0.2	1.5	0.5	0.4	1.3	-0.1	-0.5	-1.2	0.5	-0.3	-0.5	-0.1	-0.2	0.1	-0.1	0.3	0.5	1.3	1.3	0.6	0.1	0.8	0.9	1.1	1.1	1.2	0.5	1.0	0.5	0.4	-0.1	0.1	0.1	0.1	0.9	BB	A2A2	Orfevre	Labyrinthe	183N073	\$26
Taroyal	74	161	81	103	185	0.02	-0.02	2433	0.1	0.0	0.5	0.4	-0.3	1.5	1.5	-0.6	-0.6	0.6	0.2	-0.1	0.4	0.5	0.2	0.4	-1.0	-0.5	0.5	-0.2	1.8	1.8	0.6	1.6	1.2	0.5	1.3	1.4	-0.2	0.4	2.4	-0.1	1.6	1.7	0.9	0.5	-1.1	0.6	0.9	BB	A2A2	Paluel	Jesse	183N079	\$26	
Tinorossi*	74	152	86	117	202	0.22	0.32	1903	-0.9	1.1	1.0	-1.2	-0.5	0.7	2.6	0.6	0.6	-0.6	0.4	0.6	-0.3	0.7	1.9	0.7	0.6	0.7	0.6	0.6	1.7	1.7	-0.7	0.4	0.7	0.5	0.7	0.7	-0.2	-0.9	1.0	0.9	1.1	1.8	1.4	1.4	-0.9	1.2	1.0	AB						