



Genetics Catalogue

2022 Beef

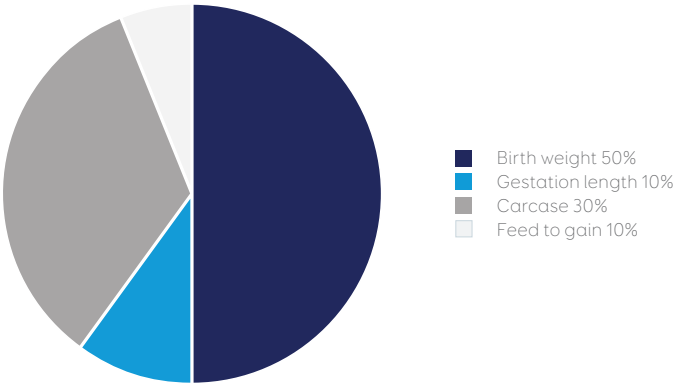
There's always room for improvement



Beef Selection Index (BSI®)

Selection indices simplify sire selection by combining key traits into one value - higher values indicating more suitable sires. LIC's BSI® emphasises traits that are relevant to the entire dairy-beef supply chain. The power in this index is that it can be compared across a number of beef breeds – Angus, Simmental, Charolais, and the composite Profit Maker®.

Trait	Weightings	
Birth weight	50%	50%
Gestation length	10%	10%
Yearling weight	5%	30%
Eye muscle area	5%	
Intramuscular fat	10%	
Carcase weight	10%	
Feed to gain	10%	10%
	100%	



Quick-select list for polled LIC beef products (for DNA-tested bulls only)							
Breed	Product Type	Pack/Bull	Polled Status		Always marks calves	Price +gst	Page
			PP	Pp			
Angus	Pack	No-choice SGL pack	✓			\$13.35	10
		No-choice beef pack	✓			\$10.65	
	Individual	720097 Rissington P260	✓			\$18.00	11
Belgian Blue	Pack	721261 Rissington Paradox	✓			\$13.35	9
		No-choice polled pack	✓			\$15.00	
	Individual	721401 Woodleigh Zircon	✓				
Charolais	Pack	721402 Woodleigh Crown	✓			\$10.65	18
		No-choice beef pack	✓		✓	\$15.00	
	Individual	716012 Kakahu Gerry	✓		✓		
Hereford	Pack	722400 Kakahu Milestone	✓		✓	\$13.35	12
		721363 Paringa Failsafe	✓		✓	\$10.65	
	Individual	720002 NZHA Cooper	✓	✓	✓	\$20.00	15
Murray Grey	Pack	819111 Shrimptons Hill 170045	✓		✓	\$13.35	13
		819113 Shrimptons Hill 170053	✓		✓	\$18.00	
	Individual	820128 Shrimptons Hill 190026	✓		✓		
Profit Maker®	Pack	819116 Shrimptons Hill 180034	✓		✓	\$10.65	24
		No-choice beef pack	✓	✓		\$10.65	
	Individual	721323 Rissington 190535	✓			\$17.00	17
Simmental	Pack	721266 Rissington Expedite	✓			\$18.25	20
		720167 Rissington Savannah	✓			\$15.00	
	Individual	No-choice beef pack	✓	✓		\$20.00	21
Speckle Park	Pack	722340 Kerrah Humdinger	✓			\$10.65	8
		719024 Rissington AF182	✓			\$17.00	
	Individual	No-choice beef pack	✓				
Stabilizer®	Pack	718032 Maungahina Maximus	✓				
		720060 Maungahina Platinum	✓				
	Individual	719022 Maungahina Northern Star	✓				
	Pack	721406 Maungahina Quicksilver	✓				
		No-choice beef pack	✓				
	Individual	719070 Focus Beef Maker	✓				
	Pack	720073 Focus Optimizer	✓				
		No-choice beef pack	✓				
	Individual		✓				



To find out more about Beefprint and how its calculated, scan the QR code.



Improve your dairy beef footprint with BeefPrint®

Approximately 70% of New Zealand export beef is dairy in origin. Selecting beef bulls for the industry's future beef supply is about efficiency and sustainability now more than ever.

LIC's BeefPrint index assigns beef bulls a score based on their estimated methane and nitrogen efficiency. The higher the score, the greater the efficiency for your farms, the environment, and the industry.

Showcase that you have chosen BeefPrint-evaluated sires for your beef calves with LIC's BeefPrint calf packs on page 5.





Angus X Dairy Calves

Beef Tags

Beef Tags

LIC is excited to offer NAIT-compliant dairy beef calf packs for the first time in 2022. No matter whether you intend to sell or rear your dairy beef calves, our selection of dairy beef tag sets will ensure ease of management and a recognised point of difference at sale time.



BeefPrint® Tag Set

- NAIT HDX Birth ID Tag set
- Double medium
- Only available in green

Exclusively available for farmers who utilised LIC BeefPrint-evaluated beef sires. BeefPrint sires have feed intake and environmental footprint efficiency estimates per kg of meat product. When feed is the #1 cost of production and intake is correlated to emissions, make sure your dairy beef animals are recognised for their efficiencies with a Beefprint tag set.

\$5.99



Angus X Dairy Tag Set*

- NAIT HDX Birth ID Tag set
- Double medium
- Only available in green

Out of an exciting partnership with AngusPure NZ Ltd and Allflex, Angus X Dairy tag sets are now available through LIC. Angus X tag sets are available for calves by on-the-hoof or AB registered/performance recorded Angus cattle, of which every Angus bull supplied by LIC is. Get recognition for quality and give buyers certainty in the parentage of your premium beef stock with Angus X Dairy tag sets.

\$5.99

** Also available: Angus x BeefPrint Tag Set for LIC's BeefPrint-evaluated Angus sires.*

For more information or to check whether your beef sires are BeefPrint-evaluated contact your LIC representative.

How to Read an Individual Beef Sire Page

Tag icons indicate that progeny of this sire or product is eligible for the corresponding calf tags on page 5.

Average gestation lengths of the sire's dairy beef progeny will be displayed for bulls that have reliable NZAEL gestation length BVs based on recorded calvings, or average gestation lengths from the B+LNZ Genetics Dairy Beef Progeny Test

Polled The polled gene is dominant and carriers are born without horns. Homozygous polled ("100% polled") bulls will always produce polled offspring, whereas 50% of offspring from heterozygous polled ("50% polled") bulls will have horns.

Calving ease (%) EBVs are based on calving difficulty scores, birth weights and gestation lengths of pure beef progeny. More positive EBVs are favourable.

Gestation length (days) EBVs
estimate the length of pregnancy for a sire's progeny. More negative EBVs indicate shorter gestation lengths.



400 day weight (kg) EBVs are based on a sire's purebred progeny weights at this age. More positive EBVs indicate heavier progeny (faster growth).

Intramuscular fat (%) EBV (also known as marbling) estimates the genetic difference in the % of intramuscular fat at the 12/13th rib site in a standard carcass. More positive EBVs are usually favoured

BSI See page 2 of the beef section.

% rank indicates how good or bad a sire is for a trait. Lower values indicate superior bulls. For example a % rank of 5 indicates that they are in the top 5% for that trait, and better than the other 95% of sires.


Genetic Evaluation This will either be a within-breed or multi-breed evaluation. Within-breed evaluation EBVs and rankings can only be compared for bulls of the same breed. Multi-breed EBVs for Simmental, Charolais, Angus, and Profit Maker can be directly compared on page 25. Stabilizer® uses a distinct multi-breed platform so its EBVs cannot be compared to other bulls within this catalogue.

718115 Rissington 160043


Breeder: Rissington Cattle Company


Individually \$18.00 +gst




Proven Progeny Averages

Gestation Length	Birthweight
276 days	32.8 kg



100% Polled


Non Carrier



Not a Dilution Carrier


Within-breed Evaluation

Dairy Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
Calving Ease	11.4	Hard				Easy	1
Gestation Length	-12.8	Long				Short	1
Birthweight	-1.9	Heavy				Light	1
Beef Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
400 Day Weight	76	Light				Heavy	55
Carcase Weight	61	Light				Heavy	25
Eye Muscle Area	3.5	Small				Large	65
Intramuscular Fat	4.1	Less				More	1



BEEFPRINT®


Methane Efficiency


Nitrogen Efficiency

BSI®

\$Feeder

1000

\$305

Birthweight For bulls that have been used in the B+LNZ Genetics Dairy Beef Progeny Test, the average birthweights from their dairy beef progeny will be shown.

Red Carrier Red coat colour is recessive to black, so bulls can carry red coat colour without expressing it. If red carriers are mated together then red calves are possible.

Dilution Carrier Some breeds can carry the dilution gene which is dominant. It dilutes black base coats to grey/silver and red coats to gold/yellow.

Birthweight (kg) EBVs are based on the recorded birthweights of a sire's purebred progeny. Lower EBVs indicate lighter calves.

Carcase weight (kg) EBVs are based on a sire's purebred progeny weights at the time of slaughter. More positive EBVs indicate heavier carcasses.

Eye muscle area (sq cm) EBVs estimate muscling. More positive EBVs indicate progeny are likely to be more muscled and have larger higher-value cuts of meat.

BeefPrint See page 3 of the beef section.

\$Feeder Is a Leachman economic index that estimates the additional profit gained between weaning and slaughter for pure beef progeny and incorporates traits like feed to gain. Higher values are more favourable.

Dairy Beef Progeny Test (DBPT)



Dairy Beef Progeny Test (DBPT)

Beef + Lamb New Zealand (B+LNZ) Genetics and LIC are working together to fulfil growing demand for quality beef genetics suitable for New Zealand dairy cows and support a continued focus on animal welfare.

The B+LNZ Genetics Dairy Beef Progeny Test aims to improve the quality of dairy beef animals in the industry by identifying and enabling wider use of elite bulls for producing dairy beef. Beef breeders can nominate their best bulls to be tested and access a potential path to the dairy market for the first time by working with LIC.

The progeny test aims to identify and prove bulls that are easier-calving, short gestation length, have excellent growth rates, and high intramuscular fat (marbling). Over 20 beef bulls are selected each year and AB mated to >1,500 crossbred dairy cows, with the resulting calves grown out for analysis. Below are some of the elite beef bulls that have been proven as suitable for use over dairy cows through the progeny test scheme.

716012 Kakahu

Gerry

Breeder: Kakahu Stud

Breed: Charolais

Commentary:

From one of New Zealand's most well-respected studs, Kakahu Gerry's dairycross progeny are delivering as much as the beef progeny. His progeny held the number one spots for growth to weaning age along with the heaviest weights at 200, 400, and 600 days of age, and carcase weight out of the first four cohorts.

DBPT	DBPT
BWT	GL
39.1 kg	282.6

Individually

\$15.00_{+gst}

See page 18 for EBVs



718115 Rissington 160043

Breeder: Rissington Cattle Company

Breed: Angus

Commentary:

This extremely well-proven bull came through as one of the top five bulls in the Dairy Beef Progeny Test for low birthweight and was the shortest gestation bull to date. Rissington 160043 is homozygous for polled, so all of his calves will be polled at birth, and homozygous for the black coat so he will not produce any red calves, even when crossed over Jerseys or crossbred cows.

DBPT BWT 32.9 kg	DBPT GL 275.8 days
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Individually

\$18.00

+gst



820128 Shrimptons Hill 190126

Breeder: Shrimpton's Hill Hereford

Breed: Hereford

Commentary:

From the world's leading short gestation Hereford stud, this bull is an excellent homozygous polled option with guaranteed colour-marking. His first calves were born in 2021 so we look forward to following their progress over the coming years, but his EBVs put him to have extreme calving ease and still achieve above breed average growth and carcase weights.

DBPT
BWT

Due 2022

DBPT
GL

Due 2022

Individually

\$18.00_{+gst}

See page 13 for EBVs



Stabilizer®

- Low birthweight for beef cattle (approximately 33kg in Focus Genetics' Stabilizer® calves)
- Stabilizer® calves wean earlier at heavier weights relative to purebred Angus
- No-choice pack bulls are either heterozygous or homozygous polled

Stabilizer® are a multi-breed composite combining the calving ease, marbling, and moderate size of the Angus and South Devon with the muscle and growth of the European Gelbvieh and Simmental.

Product options:

- No-choice Stabilizer® beef pack - \$10.65 + GST
- Your choice of Stabilizer® bull - \$17.00 + GST

719070 Focus Beef Maker

Breeder: Focus Genetics

Commentary:

Highly proven homozygous polled red bull with exceptional carcase values including trait-leading eye muscle area (muscling) and intra muscular fat for eating quality. Beef Maker scanned one of the highest physical eye muscle areas of his cohort so lives up to his name with progeny weaning early and heavy.

Individually \$17.00
+gst



Proven Progeny Averages

Gestation Length

284.4 days



100% Polled



Red Carrier



Not a Dilution Carrier

Multi-breed Evaluation

Dairy Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
Calving Ease	6.7	Hard					Easy 15
Gestation Length	-4.6	Long					Short 10
Birthweight	0.1	Heavy					Light 15
Beef Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
400 Day Weight	62	Light					Heavy 45
Carcase Weight	27	Light					Heavy 85
Eye Muscle Area	9.1	Small					Large 5
Intramuscular Fat	1.5	Less					More 1



720073 Focus Optimizer

Breeder: Focus Genetics

Commentary:

Highly proven homozygous polled black bull whose calves have performed exceptionally well at weaning. Trait leader in eye muscle area (muscling) means that calves should attract premiums for carcase values. Exceptionally docile progeny are a drawcard.

Individually \$17.00
+gst



Proven Progeny Averages

Gestation Length

284.4 days



100% Polled



Red Carrier



Not a Dilution Carrier

Multi-breed Evaluation

Dairy Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
Calving Ease	14.7	Hard					Easy 5
Gestation Length	-5.8	Long					Short 1
Birthweight	-1.4	Heavy					Light 5
Beef Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
400 Day Weight	67	Light					Heavy 40
Carcase Weight	38	Light					Heavy 75
Eye Muscle Area	11.4	Small					Large 1
Intramuscular Fat	0.9	Less					More 15

Polled Belgian Blue

- LIC's polled Belgian Blue genetics are NZ-bred from Woodleigh Belgian Blues
- All bulls are homozygous polled

LIC is excited to again offer NZ-bred polled Belgian Blue genetics from Woodleigh Belgian Blues, championed by Sir Lockwood Smith. Woodleigh's focus has been on performance over and above phenotype, which has led their breeding programme to produce easier, naturally-calving animals that grow rapidly to the yearling mark and beyond. Belgian Blues have a distinctive 'double-muscled' phenotype which they are renowned for, characterised mostly by a convex shape of the rump.

Product options:

- No-choice polled Belgian Blue pack - \$13.35 + GST
- Your choice of polled Belgian Blue bull - \$15.00 + GST



Coat Colour Possibilities:



721401 Woodleigh Zircon

Breeder: Woodleigh Belgian Blues

Commentary:

Zircon has done six years as a herd sire and his purebred calves are moderately sized for the breed, with his first four years of calves at 41.3kg, 41.0kg, 42.5kg, and 41.3kg averages. Zircon's first dairy beef calves are due in 2022. He is only recommended for use over mature cows.

Individually \$15.00
+gst



100% Polled



721402 Woodleigh Crown

Breeder: Woodleigh Belgian Blues

Commentary:

Crown was Woodleigh's 'heifer bull' and his 21-born calves from purebred heifers averaged 34.4kg. Despite his low birth weight, his own growth performance ranked him 15th/100 yearlings. Crown's first dairy beef calves are due in 2022. He is only recommended for use over mature cows.

Individually \$15.00
+gst



100% Polled



Angus

- Homozygous polled – lack of horns in dairy-cross progeny can be helpful in identifying calves
- Low birthweight and short gestation for a beef breed
- LIC’s SGL Angus are supplied by Rissington Cattle Company in the Hawkes Bay who specialise in producing high-quality carcasses with a focus on eye muscle area (muscling) and intramuscular fat (marbling), as well as recording the feed efficiency of their beef bulls.
- All LIC Angus sires will produce progeny which are eligible for the beef calf tags on page 5

Product options:

- No-choice Angus beef pack - \$10.65 + GST
- No-choice SGL Angus pack - \$13.35 + GST
- Your choice of SGL Angus bull - \$18.00 + GST (page 11)

No-choice Angus beef pack

\$10.65 (+GST)

Within-breed pack average ranking (can only be compared to other Angus)

Calving Ease	Gestation Length	Birth Weight	Yearling Weight	Carcase Weight	Eye Muscle Area	Intramuscular Fat
Top 15%	Top 45% (280.7 days)	Top 20%	Top 1%	Top 15%	Top 10%	Top 15%

No-choice SGL Angus pack

\$13.35 (+GST)

Within-breed pack average ranking (can only be compared to other Angus)

Calving Ease	Gestation Length	Birth Weight	Yearling Weight	Carcase Weight	Eye Muscle Area	Intramuscular Fat
Top 5%	Top 5% (278.9 days)	Top 5%	Top 35%	Top 20%	Top 10%	Top 10%



Rissington yearling Angus bulls grazing at LIC

Coat Colour Possibilities:



Note: it is not uncommon for Angus x Dairy calves to have some white on them, often around the navel.



720097 Rissington P260

Breeder: Rissington Cattle Company

Individually

\$18.00
+gst



Proven Progeny Averages	
Gestation Length	
278.4 days	

100%
Polled

Not a Red
carrier

Within-breed Evaluation									
Dairy Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank		
Calving Ease	8.4	Hard				Easy	10		
Gestation Length	-9.9	Long				Short	1		
Birthweight	0.4	Heavy				Light	5		
Beef Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank		
400 Day Weight	69	Light				Heavy	80		
Carcase Weight	54	Light				Heavy	40		
Eye Muscle Area	3.2	Small				Large	70		
Intramuscular Fat	2.9	Less				More	10		

BEEFPRINT®

Methane
Efficiency

Nitrogen
Efficiency

BSI®	\$Feeder
1005	\$109

721261 Rissington Paradox

Breeder: Rissington Cattle Company

Individually

\$18.00
+gst



Proven Progeny Averages	
Gestation Length	Birthweight
Due 2023	Due 2023

100%
Polled

Not a Red
carrier

Within-breed Evaluation									
Dairy Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank		
Calving Ease	9.2	Hard				Easy	5		
Gestation Length	-9.5	Long				Short	5		
Birthweight	1.9	Heavy				Light	15		
Beef Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank		
400 Day Weight	111	Light				Heavy	1		
Carcase Weight	80	Light				Heavy	5		
Eye Muscle Area	7.7	Small				Large	15		
Intramuscular Fat	4.1	Less				More	1		

BEEFPRINT®

Methane
Efficiency

Nitrogen
Efficiency

BSI®	\$Feeder
1000	\$305

Hereford

- British in origin, Herefords mature earlier than most European beef breeds
- The Herefords’ distinctive white face makes for easy calf identification
- Homozygous polled bulls and packs available in SGL and non-SGL offerings
- LIC has the shortest gestation Hereford bull ever used via AB in the NZ dairy industry to date (page 13)
- LIC’s SGL Hereford product is sourced exclusively from Australasia’s leading short gestation Hereford stud – Shrimpton’s Hill Herefords – who specialise in breeding Herefords for dairy use
- LIC’s no-choice beef pack sires are selected in partnership with and supplied by the NZ Herefords.

Product options:

- No-choice Hereford beef pack - \$10.65 + GST
- No-choice SGL Hereford pack - \$13.35 + GST
- Your choice of SGL Hereford bull - \$18.00 + GST (page 13)
- Your choice of Hereford beef bull - \$20.00 + GST (page 14)



Four-day-old SGL Hereford calves from crossbred dams



No-choice Hereford beef pack						\$10.65 (+GST)
(homozygous polled)						
Within-breed ranking (can only be compared to other Herefords)						
Calving Ease	Gestation Length	Birth Weight	400 Day Weight	Carcase Weight	Eye Muscle Area	Intramuscular Fat
Top 15%	Top 65% (283.9 days)	Top 15%	Top 55%	Top 45%	Top 55%	Top 40%

No-choice SGL Hereford pack (heterozygous polled*)				\$18.30 (+GST) fresh (incl tech)**	\$17.30 (+GST) fresh (DIY)**	\$13.35 (+GST) frozen
Within-breed ranking (can only be compared to other Herefords)						
Calving Ease	Gestation Length	Birth Weight	400 Day Weight	Carcase Weight	Eye Muscle Area	Intramuscular Fat
Top 10%	Top 1% (279.7 days)	Top 20%	Top 70%	Top 65%	Top 70%	Top 65%

* the pack contains a mixture of heterozygous and homozygous polled bulls

819111 Shrimptons Hill 170045

Breeder: Shrimpton's Hill Herefords

Individually \$18.00_{+gst}

Proven Progeny Averages	
Gestation Length	Birthweight
277.2 days	Due 2022

Within-breed Evaluation									
Dairy Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank		
Calving Ease	10.9	Hard				Easy	5		
Gestation Length	-11.0	Long				Short	1		
Birthweight	1.5	Heavy				Light	15		
Beef Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank		
400 Day Weight	59	Light				Heavy	40		
Carcase Weight	56	Light				Heavy	35		
Eye Muscle Area	3.9	Small				Large	45		
Intramuscular Fat	0.5	Less				More	50		

819113 Shrimptons Hill 170053

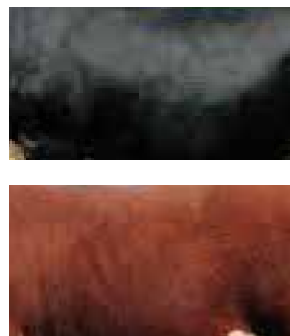
Breeder: Shrimpton's Hill Herefords

Individually \$18.00_{+gst}

Proven Progeny Averages	
Gestation Length	Birthweight
279.1 days	Due 2022

Within-breed Evaluation									
Dairy Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank		
Calving Ease	10.6	Hard				Easy	5		
Gestation Length	-10.0	Long				Short	1		
Birthweight	2.7	Heavy				Light	30		
Beef Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank		
400 Day Weight	60	Light				Heavy	35		
Carcase Weight	64	Light				Heavy	15		
Eye Muscle Area	5.5	Small				Large	10		
Intramuscular Fat	0.4	Less				More	60		

Coat Colour Possibilities:



819116 Shrimptons Hill 180034

Breeder: Shrimpton's Hill Herefords

Individually \$18.00_{+gst}

Proven Progeny Averages	
Gestation Length	Birthweight
278.7 days	

Within-breed Evaluation									
Dairy Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank		
Calving Ease	11.4	Hard				Easy	5		
Gestation Length	-10.3	Long				Short	1		
Birthweight	1.7	Heavy				Light	15		
Beef Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank		
400 Day Weight	39	Light				Heavy	95		
Carcase Weight	36	Light				Heavy	95		
Eye Muscle Area	1.3	Small				Large	99		
Intramuscular Fat	0.9	Less				More	25		

820128 Shrimptons Hill 190126

Breeder: Shrimpton's Hill Herefords

Individually \$18.00_{+gst}

Proven Progeny Averages	
Gestation Length	Birthweight
281.6 days	Due 2022

Within-breed Evaluation									
Dairy Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank		
Calving Ease	13.0	Hard				Easy	1		
Gestation Length	-9.3	Long				Short	1		
Birthweight	2.7	Heavy				Light	30		
Beef Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank		
400 Day Weight	62	Light				Heavy	30		
Carcase Weight	57	Light				Heavy	30		
Eye Muscle Area	3.4	Small				Large	60		
Intramuscular Fat	0.7	Less				More	40		

720002 NZHA Cooper

Breeder: Colin & Sue Corney Individually \$20.00*
*gst

Within-breed Evaluation							
Dairy Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
Calving Ease	12.3	Hard				Easy	5
Gestation Length	-1.2	Long				Short	35
Birthweight	-0.7	Heavy				Light	5
Beef Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
400 Day Weight	60	Light				Heavy	35
Carcase Weight	61	Light				Heavy	20
Eye Muscle Area	2.7	Small				Large	80
Intramuscular Fat	1.1	Less				More	20

Proven Progeny Averages	
Gestation Length	282.5 days

*720002 NZHA Cooper's calves are eligible for registration with NZ Herefords



Hereford x Dairy Bulls

Slick beef

Slick Profit Maker®

20167 Rissington Savannah P101

Breeder: Rissington Cattle Company Individually \$17.00*
Commentary: *gst

Rissington Savannah is homozygous polled and homozygous for the slick gene. The slick gene provides heat tolerance to cattle and is common in tropical beef breeds. Savannah is 37.5% Senepol, 37.5% Simmental and 25% Angus. All of Savannah's progeny will be polled and more heat tolerant than their non-slick peers.



Proven Progeny Averages	
Gestation Length	Due 2023

Multi-breed Evaluation							
Dairy Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
Gestation Length	-0.4	Heavy				Light	10
Birthweight	-0.6	Heavy				Light	15
Beef Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
Yearling Weight	29	Light				Heavy	50
Carcase Weight	323	Light				Heavy	70
Eye Muscle Area	0.6	Small				Large	45
Intramuscular Fat	0.4	Less				More	25
Feed to Gain	0.5	Less				More	99



BSI®	\$Feeder
993	\$93

Profit Maker®

- Supplied by Rissington Cattle Company
- Polled (heterozygous and homozygous)
- Solid-coloured (black or red)
- Improved growth rates compared to purebred Angus

Both LIC and Rissington Cattle Company embrace crossbreeding and the value of hybrid vigour. Profit Maker® is a composite of Angus, Red Angus, Simmental, Gelbvieh, and South Devon. This composite combines the fleshing ability, marbling, and moderate size of the British breeds with the muscle, milk, and growth of the European breeds.

Rissington Profit Maker® bulls are selected through the Leachman multi-breed evaluation.

Product options:

- No-choice Profit Maker® beef pack - \$10.65 + GST
- Your choice of Profit Maker® bull - \$17.00 + GST (page 17)

No-choice Profit Maker® beef pack
(heterozygous polled*, contains black and red bulls)

\$10.65 (+GST)

Multi-breed pack average ranking*						
BSI	Gestation Length	Birth Weight	Yearling Weight	Carcase Weight	Eye Muscle Area	Intramuscular Fat
1003	Top 15%	Top 15%	Top 20%	Top 65%	Top 5%	Top 5%

* the pack contains a mixture of heterozygous and homozygous polled bulls



No-choice Profit Maker® beef pack yearling bull

Coat Colour Possibilities:



721266 Rissington Expedite

Breeder: Rissington Cattle Company
Commentary: Individually \$17.00 +gst

Expedite is one of the Profit Maker bulls who was retained for the stud duties of Rissington Cattle Company, testament to his figures. He is most definitely a dairy-suitable, carcass quality specialist with superb feed efficiency.



Proven Progeny Averages

Gestation Length
Due 2023

100% Polled

Not a Red Carrier

Not a Dilution Carrier

BEEFPRINT®

Methane Efficiency

Nitrogen Efficiency

Multi-breed Evaluation							
Dairy Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
Gestation Length	-3.9	Heavy				Light	1
Birthweight	-1.8	Heavy				Light	5
Beef Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
Yearling Weight	47	Light				Heavy	5
Carcase Weight	321	Light				Heavy	80
Eye Muscle Area	0.8	Small				Large	15
Intramuscular Fat	1.2	Less				More	1
Feed to Gain	-0.3	Less				More	1

BSI®	\$Feeder
1084	\$206

721323 Rissington 190535

Breeder: Rissington Cattle Company
Commentary: Individually \$17.00 +gst

This young composite bull is homozygous black so won't throw red calves even over crossbred or jersey dairy cows. His combination of predominantly Simmental and Angus genetics means that he can offer the best of both worlds - growth and carcass weights from the Simmental and calving ease, and speed to maturity from the Angus. Compared to the American Angus population, this bull's calves are expected to be born at lighter weights - yet grow faster - than calves from the average Angus sire.



Proven Progeny Averages

Gestation Length
Due 2022

100% Polled

Not a Red Carrier

Not a Dilution Carrier

BEEFPRINT®

Methane Efficiency

Nitrogen Efficiency

Multi-breed Evaluation							
Dairy Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
Gestation Length	-2.7	Heavy				Light	5
Birthweight	-0.9	Heavy				Light	15
Beef Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
Yearling Weight	40	Light				Heavy	15
Carcase Weight	326	Light				Heavy	55
Eye Muscle Area	0.7	Small				Large	25
Intramuscular Fat	0.8	Less				More	1
Feed to Gain	-0.1	Less				More	15

BSI®	\$Feeder
1025	\$146

Charolais

- A great colour-marking option
- All LIC Charolais are homozygous polled
- Adds muscle and conformation to a dairy beef carcase
- A commonly-used terminal sire in commercial beef operations and well proven in dairy beef

LIC is excited to debut LIC-exclusive sire Kakahu Milestone in 2022, from the same stud as standout sire Kakahu Gerry who was the number one sire for growth to weaning, liveweights at 200, 400, 600 days, as well as carcase weight in the first four cohorts (100+ beef bulls tested in the Beef + Lamb Genetics Dairy Beef Progeny Test). LIC also features Paringa Charolais sires sourced by long-time supplier to LIC Rissington Cattle Company.

Product options:

- No-choice Charolais beef pack - \$10.65 + GST
- Your choice of Charolais bull - \$15.00 + GST



716012 Kakahu Gerry

Breeder: Kakahu Stud

Individually \$15.00_{+gst}



Proven Progeny Averages

Gestation Length	282.9 days	Birthweight	38.7 kg
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Within-breed Evaluation

Dairy Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
Calving Ease	13.6	Hard				Easy	5
Gestation Length	-7.0	Long				Short	5
Birthweight	-1.6	Heavy				Light	15
Beef Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
400 Day Weight	51	Light				Heavy	1
Carcase Weight	33	Light				Heavy	5
Eye Muscle Area	2.0	Small				Large	30
Intramuscular Fat	1.0	Less				More	5



No-choice Charolais beef pack

(homozygous polled)



\$10.65_(+GST)

Within-breed pack average ranking (can only be compared to other Charolais)

Calving Ease	Gestation Length	Birth Weight	400 Day Weight	Carcase Weight	Eye Muscle Area	Intramuscular Fat
Top 5%	Top 10%	Top 10%	Top 5%	Top 10%	Top 60%	Top 10%



721363 Paringa Fail Safe

Breeder: Paringa Stud

Individually \$15.00_{+gst}



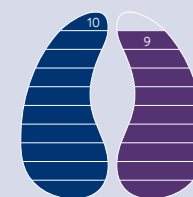
Proven Progeny Averages

Gestation Length	Due 2023
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Within-breed Evaluation

Dairy Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
Calving Ease	16.5	Hard				Easy	5
Gestation Length	-3.8	Long				Short	30
Birthweight	-3.5	Heavy				Light	5
Beef Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
400 Day Weight	31	Light				Heavy	25
Carcase Weight	28	Light				Heavy	15
Eye Muscle Area	1.0	Small				Large	80
Intramuscular Fat	0.5	Less				More	20



BEEFPRINT®

Methane Efficiency

Nitrogen Efficiency

BSI®

885

\$Feeder

\$141



722400 Kakahu Milestone

Breeder: Kakahu Stud

Individually \$15.00_{+gst}



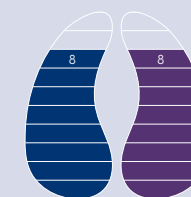
Proven Progeny Averages

Gestation Length	Due 2023
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Within-breed Evaluation

Dairy Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
Calving Ease	11.0	Hard				Easy	10
Gestation Length	-6.5	Long				Short	5
Birthweight	-2.3	Heavy				Light	10
Beef Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
400 Day Weight	49	Light				Heavy	1
Carcase Weight	35	Light				Heavy	5
Eye Muscle Area	2.1	Small				Large	30
Intramuscular Fat	1.4	Less				More	1



BEEFPRINT®

Methane Efficiency

Nitrogen Efficiency

BSI®

927

\$Feeder

\$168



Two charolais X dairy calves



Speckle Park

Speckle Park

- LIC is supplied Speckle Park genetics by Maungahina Stud in Masteron
- All Speckle Park beef pack bulls are homozygous polled and white-coated for maximum colour marking of progeny
- All bulls in the Speckle Park pack are homozygous black for their speckling (no red gene carriers)
- 721406 Maungahina Quicksilver (page 21) was born 10 days early and is by popular sire Maungahina Legacy

Maungahina Stud is home to one of New Zealand’s largest Speckle Park herds. With over a century of beef stud cattle breeding in their family, the McKenzies apply intense selection pressure on the performance and structure of their cattle to produce high-performing genetics. The breed is new relative to traditional beef breeds, and its genetic base comprises a mixture of British White Park, Shorthorn, and Angus. The breed is renowned for its intramuscular fat, which at individual bull level rivals Wagyu animals for their marble score.

Product options:

- No-choice white Speckle Park beef pack - \$18.25 + GST
- Your choice of Speckle Park bull - \$20.00 + GST (page 21)

No-choice white Speckle Park beef pack					
(homozygous polled)					
\$18.25 (+GST)					
Within-breed ranking (can only be compared to other Speckle Park)					
Gestation Length	Birth Weight	Yearling Weight	Carcase Weight	Eye Muscle Area	Intramuscular Fat
Top 35%	Top 50%	Top 40%	Top 35%	Top 80%	Top 10%

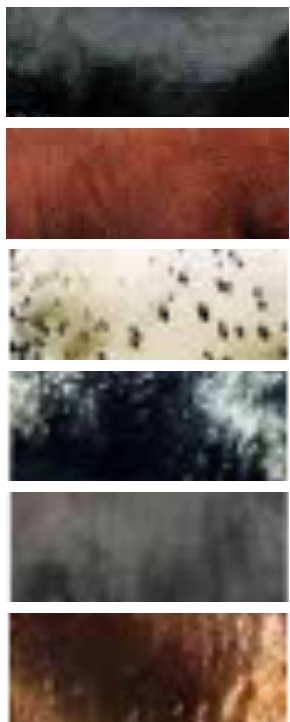
Note: 716061 Kidmans Cove Pp (leopard), 720062 Maungahina Norgate Pp (white), and 710028 SPKNZ Empire King (speckled) are also available individually (see page 24 of the beef section).



Speckle Park cross dairy calves. Photo courtesy of Brad Morton.



Coat Colour Possibilities:



718032 Maungahina Maximus

Individually \$20.00 +gst Breeder: Maungahina Stud



Proven Progeny Averages

Gestation Length
282.0 days



Within-breed Evaluation

Dairy Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
Gestation Length	-1.2	Long				Short	10
Birthweight	0.0	Heavy				Light	10
Beef Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
400 Day Weight	18	Light				Heavy	75
Carcase Weight	13	Light				Heavy	85
Eye Muscle Area	-0.6	Small				Large	99
Intramuscular Fat	0.6	Less				More	5

719022 Maungahina Northern Star

Individually \$20.00 +gst Breeder: Maungahina Stud



Proven Progeny Averages

Gestation Length
285.7 days



Within-breed Evaluation

Dairy Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
Gestation Length	1.1	Long				Short	95
Birthweight	1.7	Heavy				Light	55
Beef Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
400 Day Weight	21	Light				Heavy	60
Carcase Weight	19	Light				Heavy	50
Eye Muscle Area	0.7	Small				Large	50
Intramuscular Fat	1.3	Less				More	5

721406 Maungahina Quicksilver

Individually \$20.00 +gst Breeder: Maungahina Stud



Proven Progeny Averages

Gestation Length
Due 2022



Within-breed Evaluation

Dairy Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
Gestation Length	-0.2	Long				Short	40
Birthweight	3.0	Heavy				Light	95
Beef Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
400 Day Weight	37	Light				Heavy	5
Carcase Weight	28	Light				Heavy	10
Eye Muscle Area	1.0	Small				Large	20
Intramuscular Fat	-0.3	Less				More	90

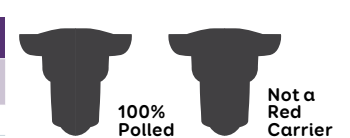
720060 Premier Platinum

Individually \$20.00 +gst Breeder: Premier Cattle Company



Proven Progeny Averages

Gestation Length
283.8 days



Within-breed Evaluation

Dairy Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
Gestation Length	-0.9	Long				Short	15
Birthweight	1.5	Heavy				Light	45
Beef Significance	EBV	99 th	75 th	50 th	25 th	1 st	%rank
400 Day Weight	40	Light				Heavy	5
Carcase Weight	37	Light				Heavy	1
Eye Muscle Area	1.3	Small				Large	5
Intramuscular Fat	0.2	Less				More	25

Simmental

- LIC's Simmental are supplied by Rissington Cattle Company who are specialists in producing easier-calving, high-growth, quality-carcase specialists
- LIC's beef pack sires are all red with white faces, however variable markings should be expected from Simmental sires

Product options:


- No-choice Simmental beef pack (white-faced) - \$10.65 + GST
- Your choice of Simmental bull - \$15.00 + GST

No-choice Simmental beef pack
(heterozygous polled*)



\$10.65 (+GST)

Within-breed pack average ranking (can only be compared to other Simmental)						
Calving Ease	Gestation Length	Birth Weight	Yearling Weight	Carcase Weight	Eye Muscle Area	Intramuscular Fat
Top 15%	Top 20%	Top 25%	Top 10%	Top 10%	Top 10%	Top 25%



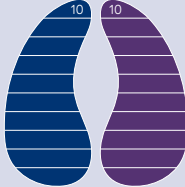
722340 Kerrah Humdinger

Breeder: Kerrah Stud


Individually \$15.00 +gst




Within-breed Evaluation								
Dairy Significance	EBV		99 th	75 th	50 th	25 th	1 st	%rank
Calving Ease	10.7	Hard					Easy	25
Gestation Length	-5.4	Long					Short	25
Birthweight	-1.5	Heavy					Light	30
Beef Significance	EBV		99 th	75 th	50 th	25 th	1 st	%rank
400 Day Weight	64	Light					Heavy	15
Carcase Weight	45	Light					Heavy	15
Eye Muscle Area	4.8	Small					Large	10
Intramuscular Fat	0.8	Less					More	55



BEEFPRINT®

 Methane Efficiency

 Nitrogen Efficiency


BSI®

\$Feeder

791

\$164





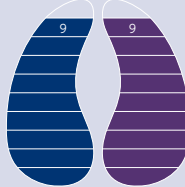
719024 Rissington Beacon

Breeder: Rissington Cattle Company


Individually \$15.00 +gst




Within-breed Evaluation								
Dairy Significance	EBV		99 th	75 th	50 th	25 th	1 st	%rank
Calving Ease	7.0	Hard					Easy	20
Gestation Length	-2.8	Long					Short	25
Birthweight	-0.3	Heavy					Light	30
Beef Significance	EBV		99 th	75 th	50 th	25 th	1 st	%rank
400 Day Weight	64	Light					Heavy	5
Carcase Weight	47	Light					Heavy	5
Eye Muscle Area	8.7	Small					Large	1
Intramuscular Fat	1.5	Less					More	5



BEEFPRINT®

 Methane Efficiency

 Nitrogen Efficiency

BSI®

\$Feeder

900

\$307

Sexed Beef

LIC is offering a number of breeds for male-sorted frozen sexed beef semen in 2022:

- SGL Hereford \$35.75 + GST
- SGL Angus \$37.30 + GST
- Polled Charolais \$35.30 + GST
- Polled Belgian Blue \$35.30 + GST
- Polled Speckle Park \$40.95 + GST
- Polled Hereford \$35.75 + GST
- Polled Profit Maker® \$35.30 + GST
- Polled Simmental \$35.30 + GST

Quantities are limited so contact your Agri Manager to place your order as soon as possible. Frozen sexed beef semen is a no-choice product.



Sexing Technologies are contracted to sex-sort LIC's top dairy and beef sires, and their state-of-the-art equipment optimises the staining of cells, removes dead sperm cells during the process, and utilises specialty media to ensure the best possible chances of conception.

LIC frozen sexed semen straws contain 4 million sperm cells per straw and achieve an average of 90% gender accuracy.

The use of female sex-sorted dairy semen across your top animals, and selective use of beef semen over cows that shouldn't be contributing replacement heifers can accelerate rates of genetic gain and progress toward any goal. Along with that, the use of beef semen presents an opportunity to reduce the number of lesser-value surplus calves leaving the farm.



Note: Users of frozen sexed semen are required to sign a disclaimer to acknowledge they may experience lower NRR results than expected

Single AI Use Provision: The customer agrees that each straw of sorted semen purchased or otherwise acquired by LIC shall only be used by the customer for the single use artificial insemination of one female bovine with the intent to produce a single offspring, and not for in vitro fertilization or embryo transfer unless specifically approved on an individual customer basis by Inguran d/b/a Sexing Technologies (Navasota, Texas, USA) in writing.

Additional Beef Bulls

Code	Breed	Name	Sire	Dam	Price (+GST)
716005	Dexter	Jimaris Oakley Cruise	Whare Ra Cruise	Summer Wine Elleen Og	\$20.00
719032	Galloway (Belted)	Ben 17-47 (Black)	Flemington Monty	Flemington Tina 3rd	\$35.00
711052	Galloway	Tullamore Dusky Joe 93 (Dun)	Tullamore Dusky Lad 130	Colvend Lizzy 348	\$40.00
719117	Galloway	Tekooa Lewis (White)	Tekooa Banner	Moonshine Lucky	\$35.00
717007	Gelbvieh	Tawera Rau U822 (AI)	Double U Freedom Fog 201M (AI)	Tawera Mere PM213 (AI)	\$16.00
716016	Hereford	Craigmore Opium 10214 Polled	Ardo Wairoa 5218 (BM) Polled	Craigmore Lydia 04074 Polled	\$20.00
702004	Maine Anjou	Thanet Francois	HRS Patriot	Thanet Pandora	\$20.00
504574	MRI	Glenmark Laurie	Crosslea Julius	Crosslea Hazel	\$12.00
504575	MRI	Redford Manus 41	Jasiri Ivan	Crosslea Ina	\$12.00
703097	Red Angus	Rissington Lion King	Rissington Red	Rissington Red Sarah	\$12.00
715049	Red Devon	Red Rocket 08/49	-	-	\$18.00
717040	Red Devon	Waiuku Fire 48/16	Tinopai TO 1359 (P)	Tinopai IQ Helen 1256 (P)	\$16.00
703046	Red Poll	Willowlea Super Sire	Oakwood Super Sire	Willow Lea Christina R15	\$8.00
716004	Santa Gertrudis	Blue Stone CJ 174	Gyranda Crackerjack V532	Bluestone Anne A506	\$10.00
714033	Scottish Highland	Harry PBW4 (Black)	-	-	\$25.00
715139	Scottish Highland	Balmoral of Berwick (Red)	Campbell Og of Killara	Isabella of Berwick	\$25.00
719034	Scottish Highland	Ice of Strathburn (Cream)			\$25.00
711016	Simmental (Red)	Rissington New Standard AN158 (Solid)	Puketawa New Level	Rissington AN398	\$16.00
716061	Speckle Park	Maungahina Kidmans Cove (Leopard)	SPKNZ Falcon	Mainstream E12	\$18.00
720062	Speckle Park	Maungahina Norgate N268 (White)	Maungahina Kidmans Cove	Maungahina H61	\$18.00
710028	Speckle Park	SPKNZ Empire King (Speckled)	Star Bank Lacerta 68L	River Hill Cinder 5M	\$18.00
719035	Wagyu	Will 16-1006	Longford FE02H	Dam 29 NZ Purebred	\$14.00
719036	Wagyu	Winston 16-1008	-	-	\$14.00

Order in quantities of x5 straws per bull.

Additional Beef Pack Options

Beef bulls are selected predominantly for calving ease and gestation length within breed. You may purchase pack semen from any of the following breeds (you have no choice of bulls within each breed):

- Australian Lowline
- Blonde D'Aquitaine
- Murray Grey
- Romagnola
- Beef Shorthorn
- Limousin
- Piedmontese

Order in quantities of x5 straws per pack
*InvestaMate discounts may apply if all discount criteria are met

Per straw \$10.65*
+gst

Multi-breed Data for Individual Beef Sires

Sire Information					Estimated Progeny Differences							Index
Ab Code	Name	Breed	Page	Price (\$)	Gestation Length (days)	Birthweight (kg)	Yearling Weight (kg)	Carcase Weight (kg)	Eye Muscle Area (sq in)	Intramuscular Fat (%)	Feed to Gain (kg)	\$Feeder (\$)
718115	Rissington 160043	Angus	7	18	-3.5	-1.7	39	322	0.35	1.1	-0.23	176
720097	Rissington P260	Angus	11	18	-3.3	-0.5	34	318	0.36	0.9	0.00	109
721261	Rissington Paradox	Angus	11	18	-2.2	0.3	56	332	0.94	1.5	-0.10	305
721363	Paringa Failsafe	Charolais	19	15	-1.1	1.6	45	342	0.97	-0.1	-0.06	141
722400	Kakahu Milestone	Charolais	19	15	-1.5	1.9	46	385	0.98	0.1	0.27	168
720167	Rissington Savannah P101	Profit Maker	15	17	-0.4	-0.6	29	323	0.58	0.4	0.45	93
721266	Rissington Expedite	Profit Maker	17	17	-3.9	-1.8	47	321	0.75	1.2	-0.25	206
721323	Rissington 190535	Profit Maker	17	17	-2.7	-0.9	40	326	0.70	0.8	-0.08	146
711016	Rissington New Standard	Simmental	24	15	0.8	2.7	49	345	0.90	-0.1	0.16	133
719024	Rissington Beacon	Simmental	22	15	0.0	2.4	58	350	1.52	0.5	0.38	307
722340	Kerrah Humdinger	Simmental	22	15	1.5	3.3	48	344	0.90	0.1	-0.05	164

For farmers targeting a specific trait irrespective of breed, the multi-breed \$Profit analysis from Leachman Cattle of Colorado allows for direct comparison of sires.

LIC is fortunate to have quality relationships with Rissington Cattle Company and Kakahu Stud who are \$profit partners.

The 'base' population for these Estimated Progeny Difference is the American Angus Population.

Breeding restrictions for LIC beef products

All beef semen, whether supplied by LIC-owned beef bulls or purchased through third party beef breeders is covered by LIC's clause 62-63 in LIC Service Rules, which restricts any offspring from LIC supplied semen being collected for semen production.

The Service Rules can be found on LIC's website www.lic.co.nz.



Speckle Park x calf

Breed Information

This page displays information that can be used as a guide when considering different breeds. The gestation lengths and birthweights displayed below are not those of the LIC beef product range. For information on the gestation lengths of a particular LIC beef product, consult the relevant page or ask your Agri Manager for assistance.

Beef Breed Averages			
Beef	Breed	Average Gestation Length (Days)	Average Birth Weight (kg)
	Angus	280	34
	Belgian Blue	283	47
	Blonde D'Aquitaine	288	36
	Charolais	285	41
	Hereford	284	38
	Limousin	289	39
	Murray Grey	283	34
	Profit Maker®	282	34
	Simmental	284	39
	Speckle Park	283	34
	Stabilizer®	282	35
	Wagyu	286	32
Dairy	Friesian	281	37
	Jersey	281	29
	Crossbred	281	33
	Ayrshire	281	35



Note: There are a number of information sources contributing to this table and variation will occur. This table should be used as a guide only.



Charolais x calves



Hereford x calf



Murray Grey x calf



Charolais x calf



Charolais x calves



Murray Grey x and Simmental x bulls



Speckle Park x calf

LIC

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