



# Ram Semen Catalogue

**2024**

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Artificial Breeding  
(AB) Centre**

We collect, store, market and  
distribute ram semen.

**Genetic  
Gains Ltd**



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He's worth big money so make him pay his way.  
Your elite ram can cover 2000 ewes per season  
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- Gain: Increased connectedness and fair comparisons with other flocks
- Gain: Increased elite ram to ewe ratio
- Gain: Faster flock improvement for you and you ram clients
- Gain: Profit from semen sales nationally and internationally
- Gain: Free advertising in our establish Ram Semen Catalogue

0274 320 285 / [Julia@genetic-gains.co.nz](mailto:Julia@genetic-gains.co.nz) / [www.genetic-gains.co.nz](http://www.genetic-gains.co.nz)  
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**854 Earnscleugh Road, RD1 Alexandra**

# Welcome to the 2024 Genetic Gains Ltd. Ram Semen Catalogue

Once again there is a wide range of breeds included in the 2024 catalogue. New and exciting is that for the first time we are able to report a BV for IMF for rams that qualify! Check out the Willowglen rams and the Gleneagles Nudie.

New sires this year include more shedding sires and two Kikitangeo Romneys, genetics resulting from decades of Gordon Levet's dedication to breeding for disease resistance. Many of the other sires in this catalogue have featured previously and have some outstanding features.

The Earnsclough AB Centre is the only NZ Centre which specializes in sheep. Rams receive "red carpet" treatment while they are with us. Their health is carefully monitored, and our policy is to never send them home lighter than when they arrived unless they are grossly overweight on arrival!!

While at the Earnsclough AB Centre your ram will not be subjected to an electro ejaculator. We have never believed that their use in sheep is ethical, and will not subject your valuable ram to them. Instead we take the time to train them for collection by more natural methods.

The indexes in this catalogue are from SIL's NZGE analysis on 19 January 2024. The charts from nProve are a little older as they are from the analysis on 1 December 2023. nProve indicates if there was genetic linkage with the NZ sheep industry at that time. Linkage allows sheep from different flocks to be compared fairly.

Use of the rams used in the Central Progeny Test (CPT) flocks or the SIGC this year through AI will strengthen linkage, or connectedness of your flock to the NZGE providing you retain 20—25 progeny to record for all traits of interest. Links for all traits in your breeding objective are essential if you wish your animals to be comparable with other flocks. Unfortunately the 2024 CPT link sires have not yet been identified, but the price list on page 34 shows which rams are in the 2024 South Island Genomic Calibration flock (SIGC) or have been used in progeny tests in previous years.

Collection and storage of straws is an excellent form of insurance against loss of the genes if the ram dies, if there is a disease outbreak, fire, flood, earthquake or other hazard which depletes the genetics of your flock.

**Please don't hesitate to contact me with any queries, to book a ram for semen collection, or to place a semen order!**

**So that we know how many straws to process, please place your order by 28 February.**

*Julia Aspinall*



**Genetic Gains Ltd** · 31 Pounamu Avenue · Wanaka 9305  
Cellphone 0274 320 285  
Email [julia@genetic-gains.co.nz](mailto:julia@genetic-gains.co.nz)  
Website [www.genetic-gains.co.nz](http://www.genetic-gains.co.nz)  
Facebook [www.facebook.com/ai4ewe](http://www.facebook.com/ai4ewe)

# **General Information**

## **INTRODUCTION**

Genetic Gains was established in November 1995, and became a registered company in November 1999. We produce the Ram Semen Catalogue annually in order to assist in the distribution of some of New Zealand's top genetics nation wide. Wide use of these elite sires will have a flow-on effect on the genetics of the sheep industry with a resulting increase in quality production and profitability. Genetic improvement is cumulative and compounding, just like interest on term deposits in the bank. Within a flock, the net financial return from genetic improvement can amount to tens of thousands of dollars over a 10 year period.

Genetic Gains Ltd. supplies Artificial Insemination (AI) and Multiple Ovulation and Embryo Transfer (MOET) services to sheep breeders in Southland, Otago and Canterbury. We are proud to offer sheep breeders a genetics package including SIL Bureau services to assist in the identification of highly productive animals, semen collection and distribution of top genetics from the Earnsclough AB Centre as well as enabling its end use through AI and MOET.

## **QUALITY ASSURANCE**

Sheep Improvement Ltd.'s weekly NZ Genetic Evaluation (NZGE) has provided us with the net financial benefit of each ram compared to other rams from connected flocks. These benefits are expressed in the indexes, which are expressed in dollars and reflect the difference from average.

Some semen included in this catalogue has been processed at other AB Centres in New Zealand, and some straws have been imported from overseas. All collection Centres have very strict quality control procedures.

## **BENEFITS OF AI**

- Genes from elite sires become accessible to all breeders.
- Breeders can benefit from elite genes without having to buy the ram.
- Access to elite genes results in increased value ram sales, and increased production and profit for ram clients.
- AI facilitates connectedness to SILs analyses so that animals from different flocks can be accurately compared..
- Frozen semen allows the use of genes from superior sires even after they have died. It is an insurance against loss of the genes.
- Elite sires can be used over a very wide geographic area.
- Extra revenue for breeders through semen sales.

## **SYNCHRONISATION METHODS**

Before inseminations can be carried out, it is essential to ensure that enough animals are at the right stage of their oestrus cycle. There are several ways of achieving this.

### **1. Synchronised Oestrus.**

A CIDR (Controlled Internal Drug Release Device) containing a hormone which controls the oestrus cycle is inserted into the vagina of the ewe approximately 14 days before the insemination date. The devices are withdrawn a specific time before insemination.

AI can then either be done on a “fixed time” or an “on heat” basis.

Fixed time insemination involves inseminating all the animals a set time after the withdrawal of the synchronisation device. No vasectomised rams are used for heat detection, and all animals are inseminated regardless of whether they have shown oestrus or not. Conception rates are lower than with on heat AI, and for this reason Genetic Gains does not recommend the fixed time method.

On heat insemination involves AI approximately 12 hours after the detection of the onset of oestrus i.e. harnessed vasectomised rams are used to detect oestrus, and marked ewes are drafted off twice daily. Groups of ewes are inseminated in the order that they were marked by teaser rams.

Genetic Gains Ltd. generally uses on heat insemination. Ten percent more ewes than the number to be inseminated are programmed with CIDRs, and oestrus is detected using harnessed vasectomised rams. The AI team makes only one visit to the farm, but ewes which show oestrus too early or too late for AI are not inseminated. This maximises the conception rate.

### **2. Natural Oestrus.**

A large flock of animals from which those to be inseminated are chosen at random are necessary. Harnessed vasectomised rams are introduced to the flock and inseminations carried out following heat detection.

### **3. Synchronised-Next-Oestrus.**

The drugs within synchronisation devices can cause a reduction in conception rate compared to insemination on natural oestrus, especially if the cervical technique is used. Insemination on natural oestrus is not suitable for all breeders so it is convenient to reach a compromise between the two methods.

Synchronised-next-oestrus involves synchronisation with a vaginal device after which the animals are left for a cycle, then inseminated on an on heat basis.

## METHODS OF AI

There are two methods of inseminating, both of which are used in New Zealand.

### 1. Cervical Insemination.

This is a relatively simple technique which breeders can learn to do themselves. Throughput is approximately 50 to 60 per hour, and average conception rates are 50% to 60%. **Fresh semen must be used with cervical insemination** as the conception rates resulting from frozen are not acceptable when this technique is used.

The hindquarters of the animal are presented to the operator, who inserts a clean speculum into the vagina. The opening to the cervix is located, and the semen is deposited just inside the entrance via a glass pipette. The animals are then allowed to wander quietly back to pasture.

### 2. Intrauterine Insemination.

This method is more technical, and requires a skilled technician. The throughput is 25 to 40 per hour, and the conception rate varies from 60% to 90% depending on whether fresh or frozen semen is used, the synchronisation method and various other management factors. Conception rates tend to be approximately 10% higher with on heat insemination compared with fixed time, and a further 5% to 10% higher when fresh semen is used rather than frozen.

The ewes or does are fasted overnight, tranquillised then loaded onto a mobile trolley. After removal of some fibre from the lower abdomen the exposed skin is cleaned then sterilised. Local anaesthetic is used, then a laparoscope and an inseminating pipette are inserted through two small holes in the lower abdomen. The uterus is located using a laparoscope and the semen deposited directly into the uterus with the inseminating pipette. The animals are released from the trolley and allowed to wander back to pasture.

## STEPS INVOLVED IN PREPARING FOR AI

- 1 Prepare vasectomised rams at least 6 weeks before they are required. At least 6% are required e.g. if 100 ewes are to be inseminated, 6 vasectomised rams are needed.
- 2 Decide on preferred AI date.
- 3 Decide on method of AI and arrange technician.
- 4 Plan synchronisation method.
- 5 Order semen specifying preferred sires and second choice.
- 6 Check your semen order is confirmed.
- 7 Start programming the ewes according to the AI programme supplied by your inseminator.
- 8 Monitor oestrus detection.
- 9 Carry out inseminations.
- 10 Introduce at least 2% entire rams 8 to 10 days after the inseminations. (Remember that the returns are also synchronised.)

## SEMEN DISPATCH

Frozen semen is packed in single dose 0.25ml straws. **Frozen semen should only be used with the intrauterine technique and is not suitable for cervical insemination.**

Fresh semen is cooled to 15°C and dispatched in individually identified test tubes. Cooled semen should be used within 10 hours of collection. **It is essential to specify the method of AI to be used when ordering fresh semen. Doses for the cervical technique are much more concentrated than for the intrauterine technique.**

## CONDITIONS OF SEMEN SUPPLY

Assessment of each batch of semen ensures that high levels of quality assurance are met for every consignment. Genetic Gains Ltd. does not control the conditions affecting the product after dispatch. All implied terms, conditions and warranties relating to the quality and/or fitness for purpose or productiveness of the product are therefore excluded and Genetic Gains Ltd. shall be under no liability whatever for any direct or indirect loss and/or expenses (including loss of profit and consequential loss) in respect to products sold. Genetic Gains Ltd. shall not be liable for any loss or damage whatever due to the late or non-delivery of the product or if the product is damaged in transit. In the event of a dispute regarding the liability of Genetic Gains Ltd. or liability against Genetic Gains Ltd. being found under no circumstances shall the liability exceed the price of the product supplied.

## DEFINITION OF TERMS

SIL	Sheep Improvement Limited. NZ's national sheep database and genetic engine.
NZGE	The latest version of the NZ Genetic Evaluation which includes all flocks on SIL.
CPT	Central Progeny Test. An across breed progeny test which links flocks within the NZ sheep industry.
NZMW+M+W (\$)	SIL Index for Maternal Worth including Wool and Meat Yield. Indexes represent the genetic merit of the animal compared to others in the analysis (for connected flocks) or to others in the flock (for unconnected flocks). In this catalogue indexes are expressed in dollars. The higher the index, the greater the estimated financial return from using the ram as a sire.
NZTW (\$)	SIL Index for Terminal Worth (Survival, Growth and Meat Yield)
R,A,W,X, F	Reproduction, Adult Growth, Wool, Facial Eczema, WormFEC
G,M,S	Growth, Meat Yield, Survival
WWTgBV	Weaning weight breeding value is expressed in kilograms
PACCH4BV	Breeding value for methane production. A negative value is more desirable.
IMFgBV	Intra muscular fat breeding value



# AUS. WHITE X WILTSHIRE

## Willowglen 47/21 (SIL ID 3531.47/21)

OWNER	PEDIGREE
Barry & Diane Smith Willowglen 560 Gimmerburn Waipiata Road R D 1 Ranfurly  <b>Bred By:</b> Barry & Diane Smith	Riverlee Downs 19/08  Willowglen 47/21  Willowglen 318/19 .2  Baringa AU White 16A412  Willowglen 154/16 .21223

SIL INFORMATION		
	Index	gBV
MW+M(\$)	23.34	
DPCR (\$)	5.00	
DPS (\$)	3.68	
DPG(\$)	3.44	
DPA (\$)	-0.54	
DPM (\$)	11.76	
DPF (\$)	-4.21	
WWTgBV (kg)		0.10
IMF		-0.11
No. progeny on SIL	44	
<i>Data from analysis 40161 19 January 2024</i>		



The percentile table on the right is from nProve Commercial which is currently reporting data from NZGE on 1 December 2023.



### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Willowglen 47/21** is 75% Australian White 25% Wiltshire. Australian Whites are bred as a maternal breed which sheds its fleece. He ranks in the top 4% of maternal breeds for Meat Yield and has two copies of the GDF8 muscling gene.

**Willowglen Breeding Objectives:** To breed low input shedding sheep with high growth rate and resistance to worms.

**Environment:** The Willowglen stud is located in the Maniototo, Central Otago

**Use of semen from this ram provides NZ breeders to use a shedding sire from a well recorded shedding flock.**



**Genetic Gains Ltd** · 31 Pounamu Ave · Wanaka 9305  
 Cellphone 0274 320 285  
 Email [julia@genetic-gains.co.nz](mailto:julia@genetic-gains.co.nz) · Website [www.genetic-gains.co.nz](http://www.genetic-gains.co.nz)  
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# AUS. WHITE X WILTSHIRE

## Willowglen 96/21 (SIL ID 3531.40/21)

OWNER	PEDIGREE
Barry & Diane Smith Willowglen 560 Gimmerburn Waipiata Road R D 1 Ranfurly  <b>Bred By:</b> Barry & Diane Smith	Davis 13/18  Willowglen 40/21  Sheen 187/12  Willowglen 228/15 22322  Willowglen 692/13 13323

SIL INFORMATION		
	Index	gBV
MW+M(\$)		
DPCR (\$)	0.73	
DPS (\$)	4.52	
DPG(\$)	14.29	
DPA (\$)	-3.75	
DPM (\$)	15.97	
DPF (\$)	6.32	
WWTgBV (kg)		2.91
IMF		0.05
No. progeny on SIL	293	
<i>Data from analysis 41263 19 January 2024</i>		



The percentile table on the right is from nProve Commercial which is currently reporting data from NZGE on 1 December 2023



### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Willowglen 96/21** was tagged 40/21 at birth but has since been retagged 96/21. He is 50% Wiltshire 50% Australian White. Australian Whites are bred as a maternal breed which sheds its fleece. He ranks in the top 1% of maternal breeds on SIL for WormFEC and in the top 1% for Meat Yield and has one copy of the GDF8 muscling gene.

**Willowglen Breeding Objectives:** To breed low input shedding sheep with high growth rate and resistance to worms.

**Environment:** The Willowglen stud is located in the Maniototo, Central Otago

**Use of semen from this ram provides NZ breeders to use a shedding sire from a well recorded shedding flock.**



**Genetic Gains Ltd** · 31 Pounamu Ave · Wanaka 9305  
 Cellphone 0274 320 285  
 Email [julia@genetic-gains.co.nz](mailto:julia@genetic-gains.co.nz) · Website [www.genetic-gains.co.nz](http://www.genetic-gains.co.nz)  
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# BELTEX

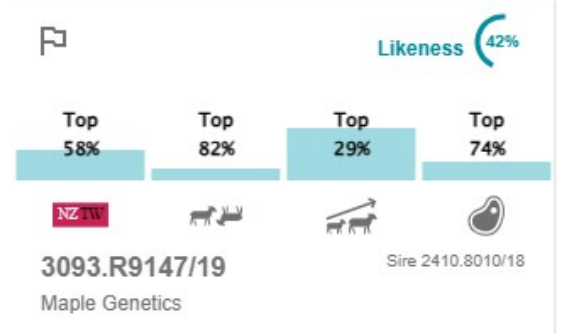
## Rangiatea 9147/19 (SIL ID 2410.9147/19)

OWNER	PEDIGREE
Don Edgecombe 54 Quartz Drive Rolleston And Don Morrison 3 Waikaka Road R D 5 Gore 9775  <b>Bred By:</b> Blair Gallagher Rangiatea 571 Upper Downs Road R D 8 Ashburton	Callacrag C014/17 (Cowboy)
	Rangiatea 8010/18
	Callacrag T079/13
	UK Beltex AST12/14
	Rangiatea 38/17
	Buckles & Broxy BKF22/10

SIL INFORMATION		
	Index	gBV
NZTW (\$)	14.07	
TSG (\$)	11.25	
TSM(\$)	3.36	
TSS(\$)	-0.54	
WWTgBV(kg)		5.19
No. progeny on SIL	168	
<i>SIL data from analysis NZGE 41263 19 January 2024</i>		



Rangiatea 9147/19's current ID on SIL is 3093.R9147/19. The percentile table on the right is from nProve Commercial which is currently reporting data from NZGE on 1 December 2023.



### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Rangiatea 9147/19** was jointly purchased by the Maple and Rosedale studs in 2020. He was used as a sire in 2020 over hoggets and his lambs were smaller at birth for ease of hogget lambing, but had excellent growth rates. He has faultless conformation with excellent feet and has bred consistently true to type. He is the top ranked pure Beltex ram born in 2019 on SIL.

**Breeding Objectives:** Maple selects for Growth and easy care with good Survival. Rosedale selects for Growth, Muscling and Survival.

**Environment:** The Maple stud is located on the Canterbury Plains, and Rosedale is on rolling hills in Eastern Southland.  
**Use of semen from this ram allows NZ breeders to access genetics from a ram that is a high performing pure Beltex.**



**Genetic Gains Ltd** · 31 Pounamu Ave · Wanaka 9305  
 Cellphone 0274 320 285  
 Email [julia@genetic-gains.co.nz](mailto:julia@genetic-gains.co.nz) · Website [www.genetic-gains.co.nz](http://www.genetic-gains.co.nz)  
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# COOPWORTH

## Tamlet 312/17 (SIL ID 1138.312/17)

OWNER	PEDIGREE	
Tamlet Sheep Genetics c/- G A Smith Mimihau R D 2 Wyndham 9892  <b>Bred By:</b>  Tamlet Sheep Genetics	Tamlet 537/15	Blackdale 142/12
	Tamlet 312/17	Tamlet 248/11 .2333221
		Tamlet 569/10
	Tamlet 242/12 .2212	
		Tamlet 313/09 .121

SIL INFORMATION		
	Index	gBV
MW+W+M(\$)	39.36	
DPCR (\$)	4.05	
DPS (\$)	3.73	
DPG(\$)	20.84	
DPA (\$)	-4.70	
DPW (\$)	1.25	
DPM (\$)	13.88	
DPD(\$)	0.21	
WWTgBV (kg)		4.32
PACCH4BV		0.42
No. progeny on SIL      636		
<i>Data from analysis 41263 19 January 2024</i>		



The percentile table on the right is from nProve Commercial which is currently reporting data from NZGE on 1 December 2023.



### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Tamlet 312/17** has been selected to represent Alpha Sheep Genetics in the 2021 CPT Hub sites. He has been used in the Tamlet stud 2019 to 2021. His progeny are proven to have exceptionally high Meat Yield—Tamlet 312/17 ranks within the top 2% of all dual purpose sheep on SIL for this trait.

**Tamlet Sheep Genetics** selects for Reproduction, Growth, Meat, Wool, Survival and low Dag Score and methane production.

The **Tamlet stud** is intensively farmed on rolling country in Eastern Southland.

***Use of this semen provides breeders with the opportunity to use an excellent Coopworth sire with outstanding Meat Yield***



**Genetic Gains Ltd** · 31 Pounamu Avenue · Wanaka 9305  
 Cellphone 0274 320 285  
 Email [julia@genetic-gains.co.nz](mailto:julia@genetic-gains.co.nz) · Website [www.genetic-gains.co.nz](http://www.genetic-gains.co.nz)  
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# Dorper

## Maple 20207/20 (SIL ID 3091.20207/20)

OWNER	PEDIGREE	
Don Edgecombe 54 Quartz Drive Rolleston  <b>Bred by:</b> Don Edgecombe		Amarula 5177/15
	Amarula 5984/16	
		Amarula 3709/12
	Maple 20207/20	
		Dell 140049/14
	Dell 16007/16	
		Dell 100035/10

SIL INFORMATION		
	Index	gBV
NZTW (\$)	3.05	
TSG (\$)	2.21	
TSM(\$)	0.52	
TSS(\$)	0.32	
WWTgBV (kg)		1.41
No. progeny on SIL	102	
<i>SIL data from analysis NZGE 41263 19 January 2024</i>		



*Top*  
Maple 20207/20

*Left*  
Amarula 5984/16

*Right*  
Dell 16007/16



### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Maple 20207/20 (Leroy)** was born from an embryo imported from Australia and was Supreme Champion at both the Ellesmere and Christchurch Shows. Although they remain in Australia, his dam and sister were purchased by the Maple stud and their embryos are imported into NZ each year. His sire, Amarula 5984/16 has proved to be an outstanding ram with excellent muscling. He has been used in the Maple stud through AI in 2019 and 2020. Maple 20207/20's sire and dam are both Type 5 under the Dorper Classing system.

**Breeding Objectives:** Maple selects for Growth and easy care with good Survival.

**Environment:** The Maple stud is located on the Canterbury Plains.

***Use of semen from this ram provides breeders with the opportunity to use a Black Dorper with a top performing sire.***



**Genetic Gains Ltd** · 31 Pounamu Avenue · Wanaka 9305  
 Cellphone 0274 320 285  
 Email [julia@genetic-gains.co.nz](mailto:julia@genetic-gains.co.nz) · Website [www.genetic-gains.co.nz](http://www.genetic-gains.co.nz)  
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# Dorper

## Winton White 552/21 (SIL ID 3424.552/21)

OWNER	PEDIGREE	
Rachelle and Greg Keen 1689 Chatto Creek Road State Highway 85 R D 3 Alexandra 9393  <b>Bred By:</b>  Rachelle and Greg Keen		Sunnyvale 172/15
	Winton White 230/18	
		Winton White 68/15
	Winton White 552/21	
		Winton White 92/16
	Winton White 231/18	
		Winton White 16/12

SIL INFORMATION		
	Index	gBV
MW+M(\$)	9.80	
DPCR (\$)	2.63	
DPS (\$)	-1.38	
DPG(\$)	6.01	
DPA (\$)	-0.92	
DPM (\$)	3.47	
WWTgBV (kg)		1.96
No. progeny on SIL	20	
<i>Data from NZGE 41263 19 January 2024</i>		



### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Winton White 552/21** is from a strong maternal line whose dam has reared above her body weight at weaning. She has bred a ram or ewe which has been retained in the flock every year. He was used as a sire in the flock in the 2023 season.

**Winton White** selects for Reproduction, Growth, Survival, correct conformation and mothering ability. The flock makes limited use of drench and is working on building worm resistance. Winton White is a member of the recently formed NZ Shedding Sheep Group. Winton White is not yet connected to the industry for any SIL traits.

**The Winton White stud** is located in Chatto Creek, Central Otago

*Use of this semen provides breeders with the opportunity to use a sound Dorper sire. The breed is proven to be excellent for hogget lambing and shedding!*



**Genetic Gains Ltd** · 31 Pounamu Avenue · Wanaka 9305  
 Cellphone 0274 320 285  
 Email [julia@genetic-gains.co.nz](mailto:julia@genetic-gains.co.nz) · Website [www.genetic-gains.co.nz](http://www.genetic-gains.co.nz)  
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# Dorper

## Winton White 644/22 (SIL ID 3424.644/22)

OWNER	PEDIGREE
Rachelle and Greg Keen 1689 Chatto Creek Road State Highway 85 R D 3 Alexandra 9393  <b>Bred By:</b>  Rachelle and Greg Keen	Sunnyvale 172/15
	Winton White 230/18
	Winton White 68/15
	Winton White 92/16
	Winton White 16/12
	Winton White 644/22
	Winton White 231/18

SIL INFORMATION		
	Index	gBV
MW+M(\$)	12.43	
DPCR (\$)	2.63	
DPS (\$)	-1.77	
DPG(\$)	10.91	
DPA (\$)	-3.94	
DPM (\$)	4.61	
WWTgBV (kg)		3.11
No. progeny on SIL	0	
<i>Data from NZGE 41263 19 January 2024</i>		



### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Winton White 644/22** is a full brother to 552/21. He is a fully shed ram. He is from a strong maternal line whose dam has reared above her body weight at weaning. She has bred a ram or ewe which has been retained in the flock every year.

**Winton White** selects for Reproduction, Growth, Survival, correct conformation and mothering ability. The flock makes limited use of drench and is working on building worm resistance. Winton White is a member of the recently formed NZ Shedding Sheep Group. Winton White is not yet connected to the industry for any SIL traits.

**The Winton White stud** is located in Chatto Creek, Central Otago

*Use of this semen provides breeders with the opportunity to use a sound Dorper sire. The breed is proven to be excellent for hogget lambing and shedding!*



**Genetic Gains Ltd** · 31 Pounamu Avenue · Wanaka 9305  
 Cellphone 0274 320 285  
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# Dorper

## Winton White 673/22 (SIL ID 3424.673/22)

OWNER	PEDIGREE	
Rachelle and Greg Keen 1689 Chatto Creek Road State Highway 85 R D 3 Alexandra 9393  <b>Bred By:</b>  Rachelle and Greg Keen		Rivermoor 15/16
	Bellfield B3/18	
		Bellfield 14/16
	Winton White 673/22	Winton White 168/17
	Winton White 345/19	Winton White 81/15

SIL INFORMATION		
	Index	gBV
MW+M(\$)	2.40	
DPCR (\$)	-1.83	
DPS (\$)	-0.50	
DPG(\$)	10.93	
DPA (\$)	-9.22	
DPM (\$)	3.01	
WWTgBV (kg)		1.62
No. progeny on SIL	0	
<i>Data from NZGE 41263 19 January 2024</i>		



### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Winton White 673/22** was the champion hogget ram at the 2023 Canterbury Show. His dam and grand dam have short tails and did not need docking. His sire has won the same class at the same show at the same age, and was described by the judge as (the best balanced ram I have ever seen”.

**Winton White** selects for Reproduction, Growth, Survival, correct conformation and mothering ability. The flock makes limited use of drench and is working on building worm resistance. Winton White is a member of the recently formed NZ Shedding Sheep Group. Winton White is not yet connected to the industry for any SIL traits.

**The Winton White stud** is located in Chatto Creek, Central Otago

***Use of this semen provides breeders with the opportunity to use a sound Dorper sire. The breed is proven to be excellent for hogget lambing and shedding!***



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# FERTMAX COMPOSITE SHEDDER

Gleneagles 210552 (SIL ID 7764.210552.2021)

OWNER	PEDIGREE
<p>Haldane Genetics c/ Ewan Haldane 461 Toolong Road Port Fairy VIC 3284</p> <p>Bred By:</p> <p>Haldane Genetics <a href="http://www.haldanegenetics.com.au">www.haldanegenetics.com.au</a></p>	<p>Gleneagles 1191/16</p> <p>Gleneagles 210552</p> <p>Gleneagles 181170</p>

LAMBPLAN INFORMATION
Empty space for Lambplan information



### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Haldane Genetics FERTMAX Composite Shedder** are a breed of shedding sheep adapted to high productivity farming environments.

**Breeding Objectives:** high growth rates, high lamb birth survival and outstanding mothering ability, easy management with no shearing, **F ERTMAX®** fertility genes.

**Environment:** Haldane Genetics' Ballymoyne' property is our Nucleus & Research Farm set on 104 acres of rich dairy land based in Port Fairy, Victoria. With an average annual rainfall of 34 inch, it makes the ideal setting for our Nudie flock of sheep

*Use of this semen provides breeders with the opportunity to use a shedding sire that will improve fecundity, growth, and non-seasonal breeding in shedding upgrading programs.*



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# FERTMAX COMPOSITE SHEDDER

Gleneagles 210482 (SIL ID 7764.210482.2021)

OWNER	PEDIGREE
<p>Haldane Genetics c/ Ewan Haldane 461 Toolong Road Port Fairy VIC 3284</p> <p>Bred By:</p> <p>Haldane Genetics <a href="http://www.haldanegenetics.com.au">www.haldanegenetics.com.au</a></p>	<p>Gleneagles 210482</p> <p style="text-align: center;">Gleneagles 180022</p>

LAMBPLAN INFORMATION
Empty space for Lambplan information



### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Haldane Genetics FERTMAX Composite Shedder** are a breed of shedding sheep adapted to high productivity farming environments.

**Breeding Objectives:** high growth rates, high lamb birth survival and outstanding mothering ability, easy management with no shearing, **FERTMAX®** fertility genes.

**Environment:** Haldane Genetics' Ballymoyne' property is our Nucleus & Research Farm set on 104 acres of rich dairy land based in Port Fairy, Victoria. With an average annual rainfall of 34 inch, it makes the ideal setting for our Nudie flock of sheep

***This ram provides opportunities to add a high fertility line of non-seasonal shedding genetics to New Zealand non-shearing programs. He is genotyped on the GenomNZ 60K and his dam is an ALL-STAR ewe that has lambed every 7.2 months.***



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 Cellphone 0274 320 285  
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# NUDIE

**Gleneagles 200031(SIL ID 7764.200031.2020)**

OWNER	PEDIGREE
Haldane Genetics c/ Ewan Haldane 461 Toolong Road Port Fairy VIC 3284  Bred By:  Haldane Genetics <a href="http://www.haldanegenetics.com.au">www.haldanegenetics.com.au</a>	CS500042019190286   Gleneagles 200031   CS00042019190279

SIL INFORMATION		
	Index	gBV
NZMW+M(\$)	19.27	
DPCR (\$)	4.26	
DPS (\$)	4.15	
DPG(\$)	13.27	
DPA (\$)	-8.56	
DPM (\$)	6.15	
WWTgBV (kg)		2.37
No. progeny on SIL	41	
<i>SIL data from NZGE 41263 19 January 2024</i>		



BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS
<p><b>Haldane Genetics NUDIES</b> are a breed of shedding sheep adapted to high productivity farming environments that can experience cold, wet, and muddy conditions with pressures from internal parasites.</p> <p><b>Breeding Objectives:</b> high growth rates, high lamb birth survival and outstanding mothering ability, easy management and no shearing.</p> <p><b>Environment:</b> Haldane Genetics' Ballymoynne' property is our Nucleus &amp; Research Farm set on 104 acres of rich dairy land based in Port Fairy, Victoria. With an average annual rainfall of 34 inch, it makes the ideal setting for our Nudie flock of sheep. They are run in a no footbath, no trim selection program, with water logging for 3-4 months of the year.</p> <p><b><i>Use of this semen provides breeders with the opportunity to use a shedding sire that will maintain the hardiness and doing ability of traditional maternal composites but without the need for wool-related jobs.</i></b></p> <p style="text-align: center;"><b><i>He is genotyped on the GenomNZ 60K</i></b></p>



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## Sheep Improvement Ltd (SIL) Bureau

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# Genetic Gains Ltd

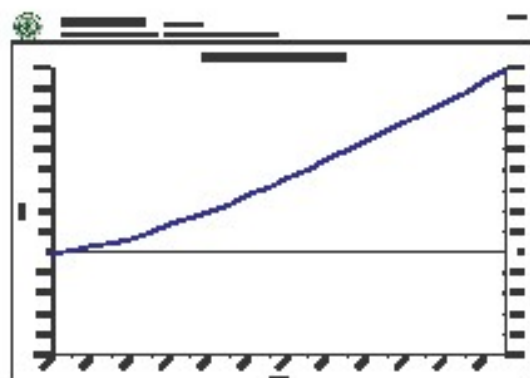


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# PERENDALE

## Hazeldale 270/18 (SIL ID 2602.270/18)

OWNER	PEDIGREE	
Longview Farm (2000) Ltd K France 1419 Moa Flat Road R D 2 Tapanui 9587  <b>Breeder</b> Longview Farm (2000) Ltd  ph 03 2048339 cell 0276016131		Hazeldale 1100/10
	Hazeldale 1287/13	
		Araawa 8913/10 .22233
	Hazeldale 270/18	Araawa 8911/10
	Hazeldale 531/14 13223	Araawa 8911/11 .122

SIL INFORMATION		
	Index	gBV
NZMW+W+M(\$)	24.88	
DPCR (\$)	6.66	
DPS (\$)	2.29	
DPG(\$)	19.76	
DPA (\$)	-5.57	
DPW (\$)	1.25	
DPM (\$)	0.49	
DPF(\$)		
WWTgBV (kg)		5.51
PACCH4		-0.45
No. progeny on SIL      652		
<i>SIL data from NZGE 41263 19 January 2024</i>		



The percentile table on the right is from nProve Commercial which is currently reporting data from NZGE on 1 December 2023.



### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Hazeldale 270/18** was chosen to represent NZ Perendale in the 2020 Central Progeny Test hub.

**Breeding Objectives:** Growth and Meat Yield are the main focus for Hazeldale.

**Environment.** The stud is on rolling terrain at 700—1700 feet.

***Use of these straws provide breeders with the opportunity to use a top performing Perendale with excellent fleece weights and early growth particularly to weaning.***



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# ROMNEY

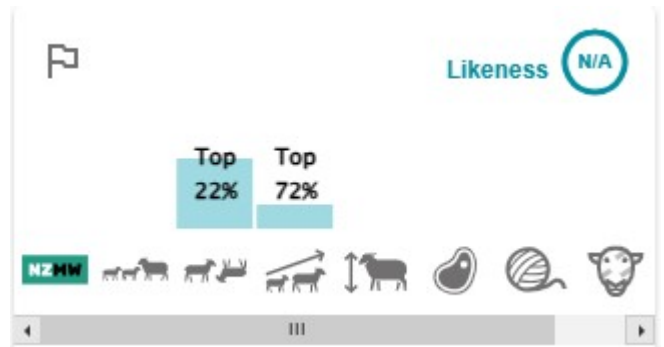
## Kikitangeo D316/16 (SIL ID 151.D316/16)

OWNER	PEDIGREE	
Gordon Levett 5129 Kaipara Coast Highway R D 2 Wellsford 0972  <b>Bred By:</b>  Gordon Levett	Kikitangeo G197/14   Kikitangeo D316/16   Kikitangeo X377/11 .221133	Kikitangeo K815/12   Kikitangeo M685/12 .1212  Kikitangeo 1080/08   Kikitangeo M346/04 .22211

SIL INFORMATION		
	Index	gBV
NZMW+W+M(\$)	17.30	
DPCR (\$)	2.10	
DPS (\$)	7.96	
DPG (\$)	11.27	
DPA (\$)	-6.01	
DPW (\$)	-0.26	
DPM(\$)	2.24	
DPF (\$)	12.83	
DPX(\$)	-7.57	
WWTgBV (kg)		1.86
No. progeny on SIL	845	
SIL data from NZGE 41263 19 January 2024		

Photo coming soon.

The percentile table on the right is from nProve Commercial which is currently reporting data from NZGE on 1 December 2023.



### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Kikitangeo D316/16** ranks in the top 22% of all maternal sires on nProve (December 2023) for Survival and his progeny have excellent resistance to worms. Many of his sons have been used in NZ Romney studs. One son did extremely well in the Canterbury sale and fetched top price of \$7,200 at the Gore Stud Ram Fair that year.

**Breeding Objectives:** to breed a stud flock of Romneys where the vast majority are totally resistant to the highest challenges of all worm species including the deadly Haemonchus, often referred to as the Barbers Pole Worm.

**Environment:** damp, humid sub-tropical conditions north of Auckland where diseases, external and internal parasites are dominant.

***In the current worrying environment where drench resistant worms are rife this may be an excellent opportunity for breeders to gain genetic resistance to worms in a single cross.***



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# ROMNEY

## Kikitangeo G197/14 (SIL ID 151.G197/14)

OWNER	PEDIGREE
Gordon Levett 5129 Kaipara Coast Highway R D 2 Wellsford 0972  <b>Bred By:</b>  Gordon Levett	Kikitangeo G323/09  Kikitangeo K815/12  Kikitangeo M615/09 .22211  Kikitangeo 1080/08  Kikitangeo M685/12 .1212  Kikitangeo B106/10

SIL INFORMATION		
	Index	gBV
NZMW+W+M(\$)	15.83	
DPCR (\$)	0.65	
DPS (\$)	7.97	
DPG (\$)	5.41	
DPA (\$)	1.09	
DPW (\$)	0.22	
DPM(\$)	0.48	
DPF (\$)	3.34	
DPX(\$)	11.78	
WWTgBV (kg)		1.08
No. progeny on SIL	954	
<i>SIL data from NZGE 41263 19 January 2024</i>		

Photo coming soon.

### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Kikitangeo G197/14** was bred in a flock that for 34 years prioritized breeding for a strong immunity to health challenges. G197/14's progeny had an excellent resistance to facial eczema compared to others within the flock, and also had a favourable response in WormFEC. Many of his sons have been used in NZ Romney studs.

**Breeding Objectives:** to breed a stud flock of Romneys where the vast majority are totally resistant to the highest challenges of all worm species including the deadly Haemonchus, often referred to as the Barbers Pole Worm.

**Environment:** damp, humid sub-tropical conditions north of Auckland where diseases, external and internal parasites are dominant.

***In the current worrying environment where facial eczema is advancing south this may be an excellent opportunity for breeders to gain genetic resistance to facial eczema in a single cross.***



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# ROMNEY CROSS

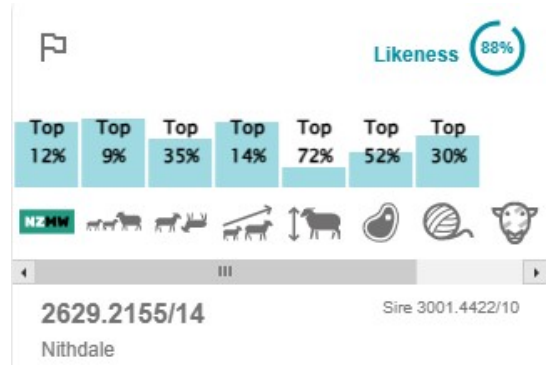
## Nithdale 2155/14 (SIL ID 2629.2155/14)

OWNER	PEDIGREE
Nithdale Genetics 338 Nithdale Road Kaiwera R D 2 Gore 9772  <b>Bred By:</b>  Nithdale Genetics	FG Goudies 4422/10   Nithdale 2155/14   Nithdale 214/09   Nithdale 942/11 2   Nithdale 1159/09 .2

SIL INFORMATION		
	Index	gBV
NZMW+W+M(\$)	34.82	
DPCR (\$)	8.01	
DPS (\$)	7.27	
DPG (\$)	22.44	
DPA (\$)	-7.84	
DPW (\$)	1.21	
DPM(\$)	3.70	
DPF (\$)	-9.47	
DPX(\$)*	25.10	
WWTgBV (kg)		5.06
No. progeny on SIL	525	
SIL data from NZGE 41263 19 January 2024		



The percentile table on the right is from nProve Commercial which is currently reporting data from NZGE on 1 December 2023.



### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Nithdale 2155/14** was facial eczema (FE) tested with 0.5mg/kg Sporodesmin with no liver damage. He is 78% Romney and 22% Texel.

*\*He was used in the ARDG Makino flock where 5 progeny were FE tested, and his sire is from a flock which has done extensive testing.*

**Breeding Objectives:** Nithdale's goal is to breed dual purpose sheep resistant to internal parasites with high productive traits.

**Environment:** Nithdale Genetics is located on rolling country in Eastern Southland.

***Use of semen from this ram allows NZ breeders to use a high performing Romney with high tolerance to facial eczema.***



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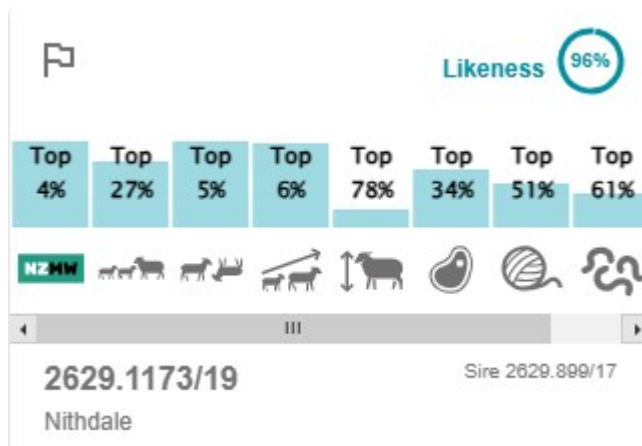
# ROMNEY CROSS

## Nithdale 1173/19 (SIL ID 2629.1173/19)

OWNER	PEDIGREE
Nithdale Genetics 338 Nithdale Road Kaiwera R D 2 Gore 9772	Nithdale 2155/14
<b>Bred By:</b> Nithdale Genetics	Nithdale 899/17
	Nithdale 1173/19
	Nithdale 497/14 2223
	Nithdale 885/15
	Nithdale 323/16 121
	Nithdale 1442/11 .2123

SIL INFORMATION		
	Index	gBV
NZMW+W+M(\$)	41.73	
DPCR (\$)	5.09	
DPS (\$)	13.10	
DPG (\$)	26.05	
DPA (\$)	5.75	
DPW (\$)	0.69	
DPM(\$)	-8.95	
DPF (\$)	-0.63	
DPD (\$)	0.09	
WWTgBV (kg)		2.02
No. progeny on SIL	389	
SIL data from NZGE 41263 19 January 2024		

The percentile table on the right is from nProve Commercial which is currently reporting data from NZGE on 1 December 2023.



### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Nithdale 1173/19** was used in the Low Input CPT in 2021.

**Breeding Objectives:** Nithdale's goal is to breed dual purpose sheep resistant to internal parasites with high productive traits.

**Environment:** Nithdale Genetics is located on rolling country in Eastern Southland.

*Use of semen from this ram allows NZ breeders to use a high performing Romney with high tolerance to facial eczema.*



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**854 Earnscleugh Road, RD1 Alexandra**

# Suftex

## Twin Farm 3006/18 (SIL ID 4705.3006/18)

OWNER	PEDIGREE	
R F, P Y , A & K Welsh 890 Waimea Valley Road Mandeville R D 7 Gore 9777  <b>Breeder</b>  R F, P Y , A & K Welsh		Mt Linton 5009/15
	Mt Linton 5080/16	
		Mt Linton 312/14 .2
	Twin Farm 3006/18	
		Nithdale 542/13
	Twin Farm 2812/15 122222	
		Twin Farm 212/12 12222

SIL INFORMATION		
	Index	gBV
NZTW (\$)	22.16	
TSG (\$)	13.52	
TSM(\$)	3.19	
TSS(\$)	5.46	
TSD (\$)	0.08	
WWTgBV (kg)		5.44
No. progeny on SIL	409	
<i>SIL data from analysis NZGE 41263 19 January 2024</i>		



The percentile table on the right is from nProve Commercial which is currently reporting data from NZGE on 1 December 2023.

### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Twin Farm 3006/18** represented the Premier Suftex group in the Central Progeny Test in 2021. He has a high Survival index on SIL.

**Breeding Objectives:** Twin Farm Suftex flock is selected for Growth and Meat Yield as well as Survival and Dag score.

**Environment:** The Twin Farm stud is run commercially on rolling country in Northern Southland.

***Use of semen from this ram provides breeders with the opportunity to use a Suftex sire with high genetic merit for production traits.***



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# TEFRom

## Twin Farm 1055/17 (SIL ID 4474.1055/17)

OWNER	PEDIGREE	
R F, P Y , A & K Welsh 890 Waimea Valley Road Mandeville R D 7 Gore 9777  <b>Breeder</b>  R F, P Y , A & K Welsh	Twin Farm 1881/16          Twin Farm 109/13 2221	Twin Farm 365/13   Twin Farm 246/15 22   Twin Farm 187/19    Twin Farm 895/09 21232223

SIL INFORMATION		
	Index	gBV
NZMW+W+M(\$)	37.52	
DPCR (\$)	63.77	
DPS (\$)	0.94	
DPG (\$)	15.54	
DPA (\$)	9.49	
DPW (\$)	1.77	
DPM(\$)	3.01	
DPF (\$)	1.00	
WWTgBV (kg)		4.21
PACCH4BV		-0.11
No. progeny on SIL	351	
<i>SIL data from analysis 41263 19 January 2024</i>		



🚩
Likeness 94%

Top 6%	Top 18%	Top 77%	Top 48%	Top 1%	Top 58%	Top 18%	Top 48%
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4474.1055/17
Sire 4474.1881/16

Twin Farm TEFRom

*The percentile table on the right is from nProve Commercial which is currently reporting data from NZGE on 1 December 2023.*

*Twin Farm 1055/17 is the ram on the right in the picture.*

### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Twin Farm 1055/17** is a top performing dual purpose sire. Longevity is demonstrated in the pedigree by the maternal grandmother and the DPCR shows this sire's daughters have excellent fecundity (lambing percentage). Growth and wool production is excellent while maintaining modest adult size which contributes significantly to the efficiency of the progeny. He represented Alpha Sheep Genetics in the 2022 CPT Hub.

**Twin Farm** selects for Reproduction, Growth, Survival, bare breech, teat placement, mothering score WormFEC, Dags and methane.

**Environment:** The Twin Farm stud is run commercially on rolling country in Northern Southland.

***Use of semen from this ram provides breeders with the opportunity to link to the industry using a proven sire with excellent all round maternal traits.***



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# TEFRom

## Twin Farm 197/20 (SIL ID 4474.197/20)

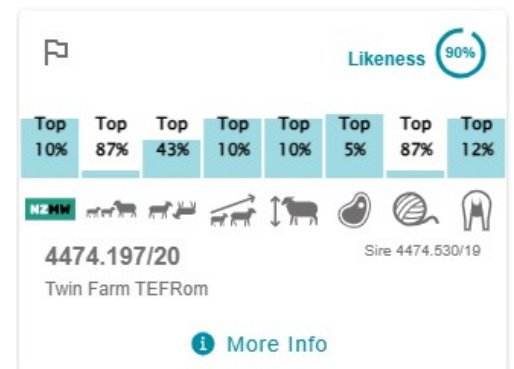
OWNER	PEDIGREE
R F, P Y, A & K Welsh 890 Waimea Valley Road Mandeville R D 7 Gore 9777  <b>Breeder</b>  R F, P Y, A & K Welsh	Twin Farm 657/16  Twin Farm 530/19  Twin Farm 564/13 2222223  Twin Farm 197/20  Momopai 134/16  Twin Farm 521/18 12122  Twin Farm 265/15 11222

SIL INFORMATION		
	Index	gBV
NZMW+W+M(\$)	38.69	
DPCR (\$)	-0.47	
DPS (\$)	4.73	
DPG (\$)	23.25	
DPA (\$)	0.24	
DPW (\$)	-0.30	
DPM(\$)	11.24	
DPD (\$)	0.95	
WWTgBV (kg)		4.59
PACCH4		0.97
No. progeny on SIL	631	
<i>SIL data from analysis NZGE 41263 19 January 2024.</i>		



The percentile table on the right is from nProve Commercial which is currently reporting data from NZGE on 1 December 2023.

Twin Farm 197/20 is the ram on the left in the picture. Note the bare patch around the tail.



### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Twin Farm 197/20** is a top performing dual purpose sire with exceptionally high maternal indexes. Longevity is demonstrated in the pedigree by both grandmothers. He represented Alpha Sheep Genetics in the 2022 Low Input CPT.

**Twin Farm** selects for Reproduction, Growth, Survival, bare breech, teat placement and mothering score, Dags and methane.

**Environment:** The Twin Farm stud is run commercially on rolling country in Northern Southland.

**Use of semen from this ram provides breeders with the opportunity to use a sire with exceptionally high maternal indexes and highly desirable Dag Index**



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# Texel

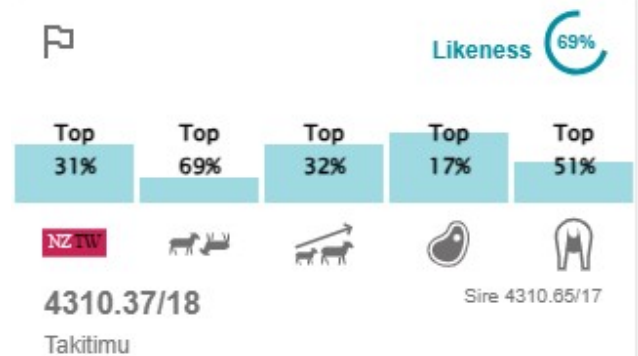
## Dalzell 37/18 (SIL ID 4310.37/18)

OWNER	PEDIGREE	
Aaron J McCall Ltd 2106 Mt Nissing Road R D 14 Cave 7984  <b>Bred By:</b> Aaron J McCall Ltd  <a href="https://www.facebook.com/dalzellperformancegenetics/">https://www.facebook.com/dalzellperformancegenetics/</a>	Dalzell 65/17   Dalzell 37/18   Dalzell 90/16 .2	Esselmont 14/14  Dalzell 63/15 .11  Dalzell 99/13  Dalzell 24/11 .111121

SIL INFORMATION		
	Index	gBV
NZTW (\$)	20.44	
TSG (\$)	11.31	
TSM(\$)	8.15	
TSS(\$)	0.98	
WWTgBV (kg)		5.18
No. progeny on SIL	307	
<i>SIL data from NZGE 41263 19 January 2024</i>		



The percentile table on the right is from nProve Commercial which is currently reporting data from NZGE on 1 December 2023.



### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Dalzell 37/18** was selected to represent the Texel breed in the 2021 CPT.

**Breeding Objectives:** Growth, Meat Yield, Survival and Dags.

**Environment:** The Dalzell stud (which recently had a name change to Takitimu) is located in South Canterbury

***Use of semen from this ram provides breeders with the opportunity to access a Texel sire with good overall performance and high Meat Yield.***



**Genetic Gains Ltd** · 31 Pounamu Avenue · Wanaka 9305  
 Cellphone 0274 320 285  
 Email [julia@genetic-gains.co.nz](mailto:julia@genetic-gains.co.nz) · Website [www.genetic-gains.co.nz](http://www.genetic-gains.co.nz)  
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# Texel

## Maple 9284/19 (SIL ID 3095.9284/19)

OWNER	PEDIGREE	
Don Edgecombe 54 Quartz Drive Rolleston  <b>Bred by:</b> Don Edgecombe	Vorn VJV1700873  Maple 9284/19  Maple 684/16 .212	Vorn AAA1508227  Vorn VJV1500727  Brandes Burton 24/13  The Burn 62/09 ....222212

SIL INFORMATION		
	Index	gBV
NZTW (\$)	21.26	
TSG (\$)	13.45	
TSM(\$)	7.61	
TSS(\$)	0.20	
WWTgBV (kg)		5.97
No. progeny on SIL	96	
<i>SIL data from analysis NZGE 41263 19 January 2024.</i>		



Likeness N/A

*The percentile table on the right is from nProve Commercial which is currently reporting data from NZGE on 1 December 2023.*

Top  
15%

NZTW



3095.9284/19

Maple Texel

Sire  
2514.ABERYSTWY  
TH.2017

### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Maple 9284/19** was sired by A Vorn UK ram whose progeny are showing excellent growth rates and muscling. His dam has received numerous Show awards and has reared twins with 100 day weaning weights of 51 and 46.5kg in 2020. Maple 9284/19 has a very quiet temperament which he has passed on to his progeny. He is an easy lambing sire with excellent conformation. He was the Supreme Champion Texel and the Christchurch Show in 2022 and is the full brother to the Supreme Champion at the Ellesmere and Christchurch Shows 2021. The brother has been sold for export to Peru.

**Breeding Objectives:** Maple selects for Growth and easy care with good Survival.

**Environment:** The Maple stud is located on the Canterbury Plains.

***Use of semen from this ram provides breeders with the opportunity to use a Texel sire with UK genetics, excellent growth and muscling and easy lambing.***



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# WILTSHIRE x EXLANA

## Willowglen 131/22 (SIL ID 3531.131/22)

OWNER	PEDIGREE
Barry & Diane Smith Willowglen 560 Gimmerburn Waipiata Road R D 1 Ranfurly  <b>Bred By:</b> Barry & Diane Smith	Huish UK036443219702  Willowglen 131/22  Willowglen 144/18 11122  Enfield Genetics 41/16  Willowglen 156/16 12112

SIL INFORMATION		
	Index	gBV
MW+M(\$)	30.65	
DPCR (\$)	3.94	
DPS (\$)	5.39	
DPG(\$)	26.42	
DPA (\$)	-13.72	
DPM (\$)	8.63	
DPF (\$)	0.72	
WWTgBV (kg)		5.03
IMF		0.63
No. progeny on SIL	53	
<i>Data from analysis 41263 19 January 2024</i>		



The percentile table on the right is from nProve Commercial which is currently reporting data from NZGE on 1 December 2023



### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Willowglen 131/22** has genetics from an imported Exlana sire. He has an excellent gBV for IMF!

**Willowglen Breeding Objectives:** To breed low input shedding sheep with high growth rate and resistance to worms.

**Environment:** The Willowglen stud is located in the Maniototo, Central Otago

**Use of semen from this ram provides NZ breeders to use a shedding sire from a well recorded shedding flock with excellent growth and some worm resistance.**



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 Cellphone 0274 320 285  
 Email [julia@genetic-gains.co.nz](mailto:julia@genetic-gains.co.nz) · Website [www.genetic-gains.co.nz](http://www.genetic-gains.co.nz)  
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# WILTSHIRE

## Willowglen 281/22 (SIL ID 3531.281/22)

OWNER	PEDIGREE	
Barry & Diane Smith Willowglen 560 Gimmerburn Waipiata Road R D 1 Ranfurly  <b>Bred By:</b> Barry & Diane Smith		Willowglen 208/18
	Willowglen 139/19	
		Willowglen 117/18 22122
	Willowglen 281/22	
		Enfield Genetics 78/16
	Willowglen 132/19 1122	
		Willowglen 166/14 1223212

SIL INFORMATION		
	Index	gBV
MW+M(\$)	30.81	
DPCR (\$)	3.64	
DPS (\$)	0.01	
DPG(\$)	23.06	
DPA (\$)	-5.37	
DPM (\$)	9.47	
DPF (\$)	3.83	
WWTgBV (kg)		4.76
IMF		0.07
No. progeny on SIL	46	
<i>Data from analysis 41263 19 January 2024</i>		



The percentile table on the right is from nProve Commercial which is currently reporting data from NZGE on 1 December 2023



### BREEDING OBJECTIVES OF SOURCE STUD AND COMMENTS

**Willowglen 281/22** is a Wiltshire with excellent muscling and good worm resistance. He has one copy of the GDF8 muscling gene.

**Willowglen Breeding Objectives:** To breed low input shedding sheep with high growth rate and resistance to worms.

**Environment:** The Willowglen stud is located in the Maniototo, Central Otago

**Use of semen from this ram provides NZ breeders to use a shedding sire from a well recorded shedding flock with excellent muscling and good worm resistance.**



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# PRICE LIST

Breed & ID	CPT	Price per Straw
<b>Australian White x Wiltshire</b>		
Willowglen 47/21	SIGC 2023	30.00
Willowglen 40/21 (retag 96/21)	SIGC 2023	30.00
<b>Beltex</b>		
Rangiatea 9147/19		45.00
<b>Coopworth</b>		
Tamlet 312/17	2021 Hub	40.00
<b>Dorper</b>		
Maple 20207/20		30.00
Winton White552/21		35.00
Winton White 644/22		35.00
Winton White 673/22		35.00
<b>FERTMAX Composite Shedder</b>		
Gleneagles 210552		50.00
Gleneagles 210482		50.00
<b>Nudie</b>		
Gleneagles 200031		50.00
<b>Perendale</b>		
Hazeldale 270/18	2020 Hub	30.00
<b>Romney</b>		
Kikitangeo G197/14		30.00
Kikitangeo D316/16		30.00
<b>Romney Cross</b>		
Nithdale 2155/14		35.00
Nithdale 1173/19	2021 Low Input	35.00
<b>Suftex</b>		
Twin Farm 3006/18	2021 Hub	45.00
<b>TEFRom</b>		
Twin Farm 1055/17	2022 Hub	45.00
Twin Farm 197/20	2022 Low Input	45.00
<b>Texel</b>		
Dalzell 37/18	2021 Hub	30.00
Maple 9284/19*		30.00
<b>Wiltshire and Wiltshire x Elana</b>		
Willowglen 281/22	2024 SIGC	35.00
Willowglen 131/22	2024 SIGC	35.00

## NB

Freight within the South Island is \$25. Freight to the North Island varies. Dispatch is \$50.00, liquid nitrogen for dispatch is \$150.00 per tank unless dry shipper is used. Tank hire varies. All prices are exclusive of GST.

\*These straws are at another AB Centre. Other dispatch and freight charges may apply.

**PLEASE PLACE YOUR ORDER BY 28 FEBRUARY**