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Pastoral Farming Production Systems

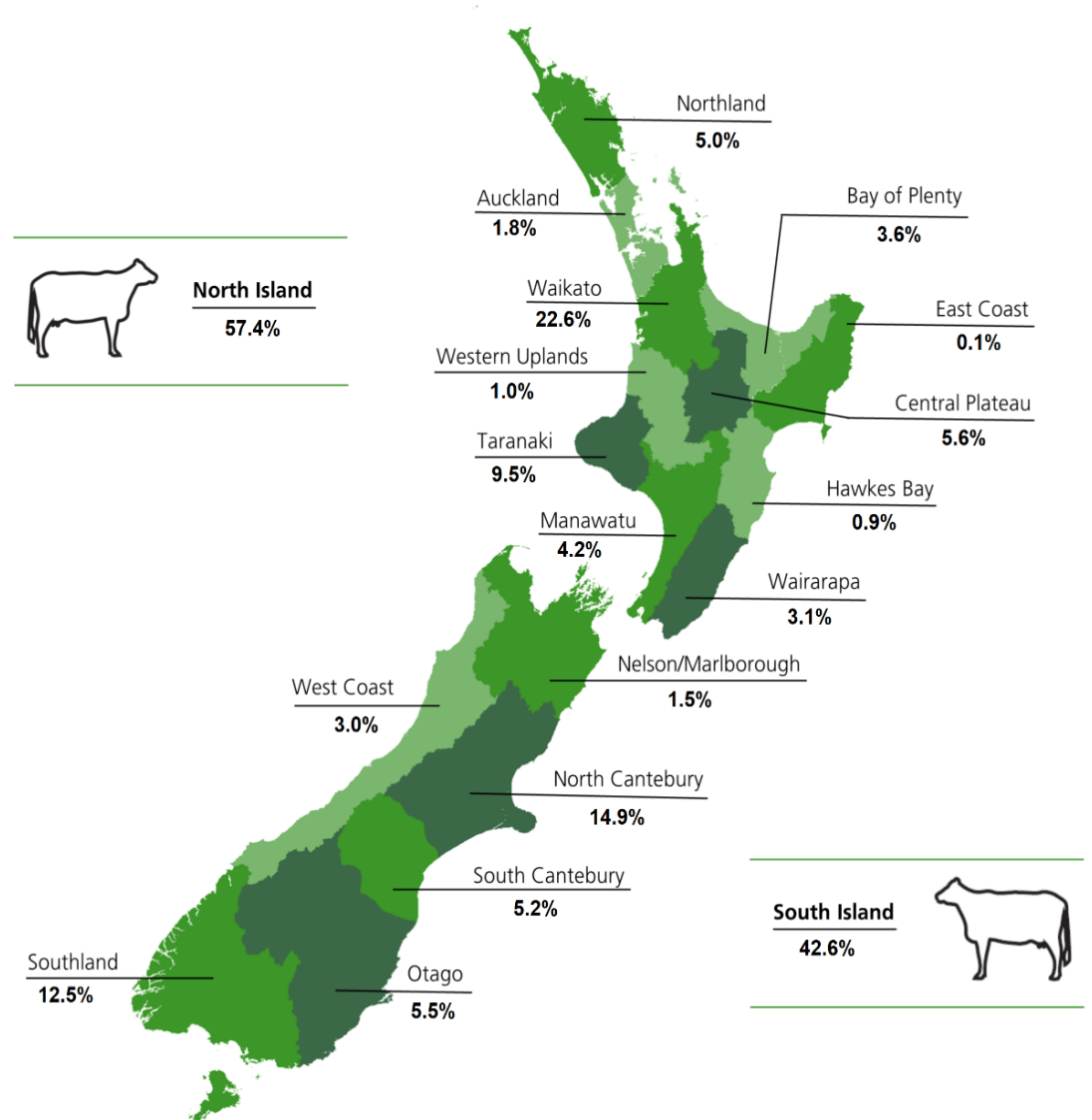
Dairy farming

Sheep & Beef farming

Arable

Dairy Farming

- Dairy farms need to grow lots of grass all year to feed cows. Dairy farming is found in many regions. The biggest regions are Waikato, Taranaki, Canterbury and Southland. These regions have:-
- Areas of flat to rolling country that is easily accessible by machinery.
- Moderate temperatures for growing grass and crops to feed cow outside all year round.
- Reliable rainfall either natural rain or from irrigation
- Fertile soils.



Intensive dairy farming

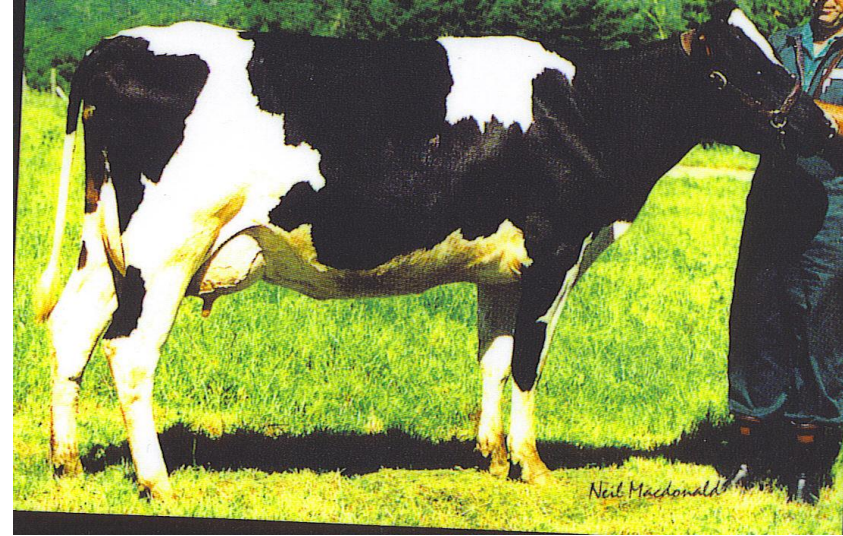


Dairy cattle breeds

Jersey



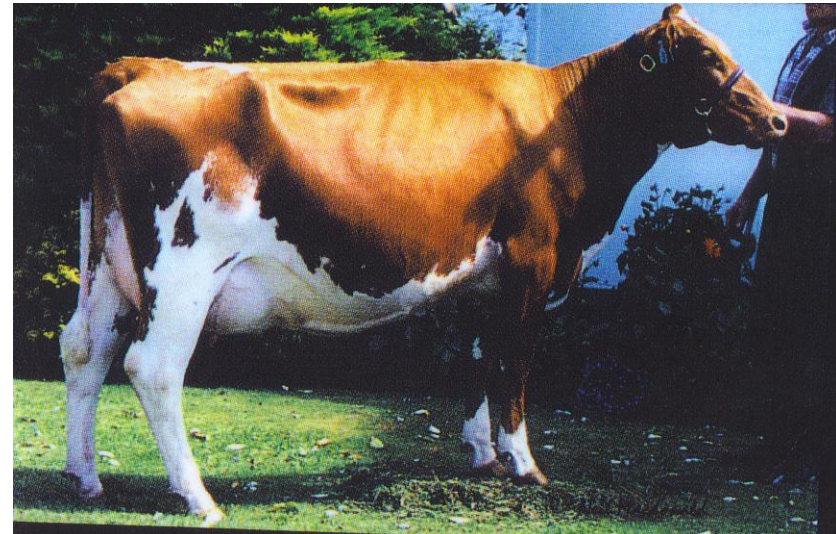
Friesian



Friesian Jersey X (Kiwi) Cross



Ayrshire

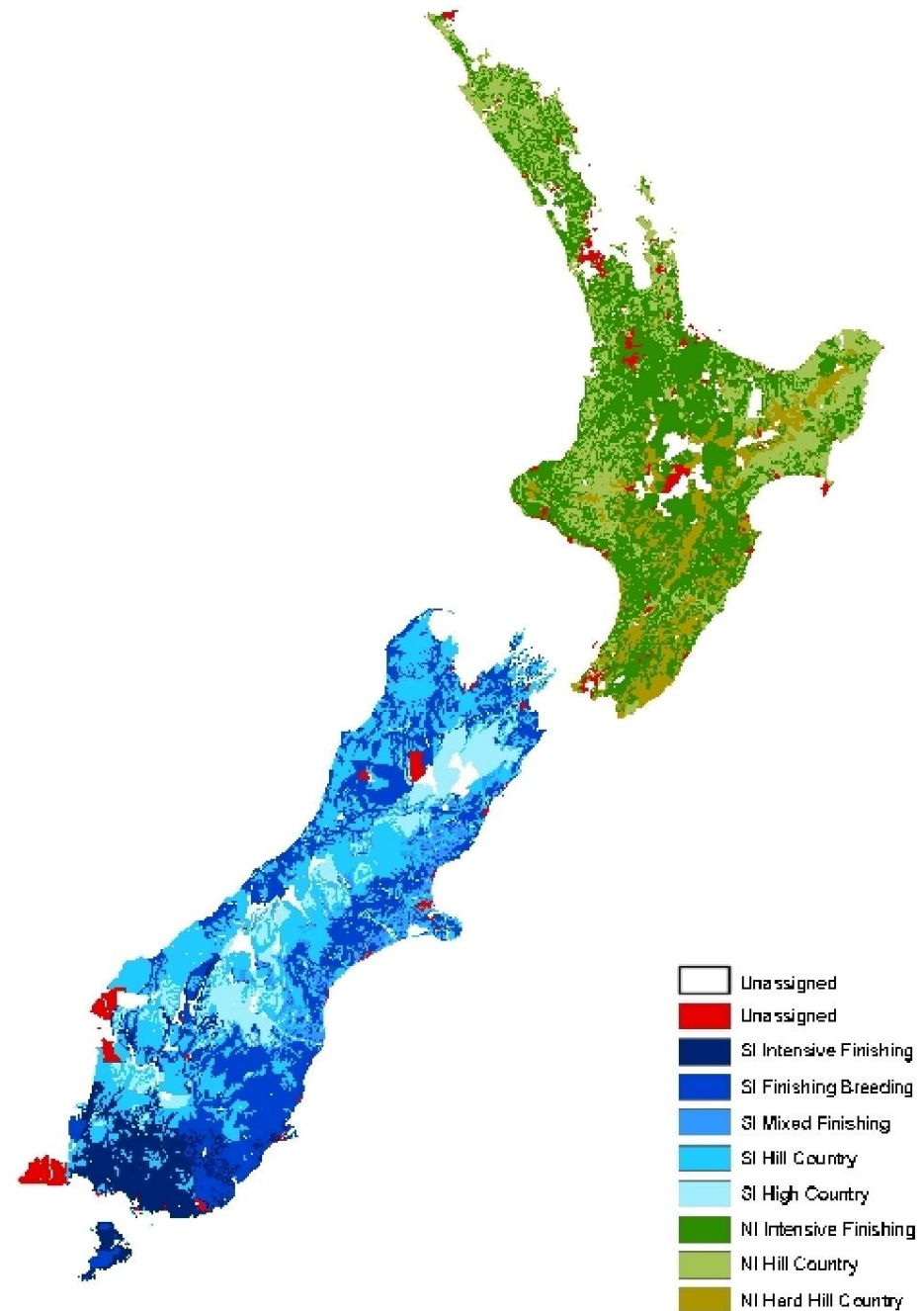


Sheep & Beef Farming Systems

Sheep & beef farming is found in many regions throughout New Zealand.

They are predominantly found on easy to steep hill country in both islands. The summers are dry and winters are cold, limiting pasture growth.

High country sheep & beef farms are found in the central South Island. The climate is dry in summer, cold in winter with periods of snow.



Sheep and beef farming systems

Intensive finishing



Semi- extensive



Extensive



Beef Cattle breeds on pastoral farming production systems

Beef Cattle Breeds	Beef <ul style="list-style-type: none"> Main Breeds 	Angus Hereford Angus Herford cross Dairy Beef (Friesian cow X Beef bull) Speckle Park	Semi- extensive- Intensive
	Beef <ul style="list-style-type: none"> Exotic Breeds 	Murray grey Limousin Belgium blue Simmental Charolais Wagyu	Semi- extensive- Intensive

**Beef
cattle
breeds**

Angus



Hereford



Angus Hereford Cross



Simmental



Sheep breeds on pastoral farming systems

Sheep Breeds	Wool	Merino Drysdale	Extensive Intensive
	Dual Purpose	Romney Perendale Coopworth Border Leicester Corridale NZ halfbred	Semi- extensive
	Meat	Suffolk South Suffolk Dorset horn Polled dorset Texel Wiltshire Dorper	Semi- extensive- Intensive
	Milk	East Friesan	Intensive

East Friesian- bred for milking



**Sheep
breeds**

Romney



Perendale



Merino



Suffolk





Arable farming

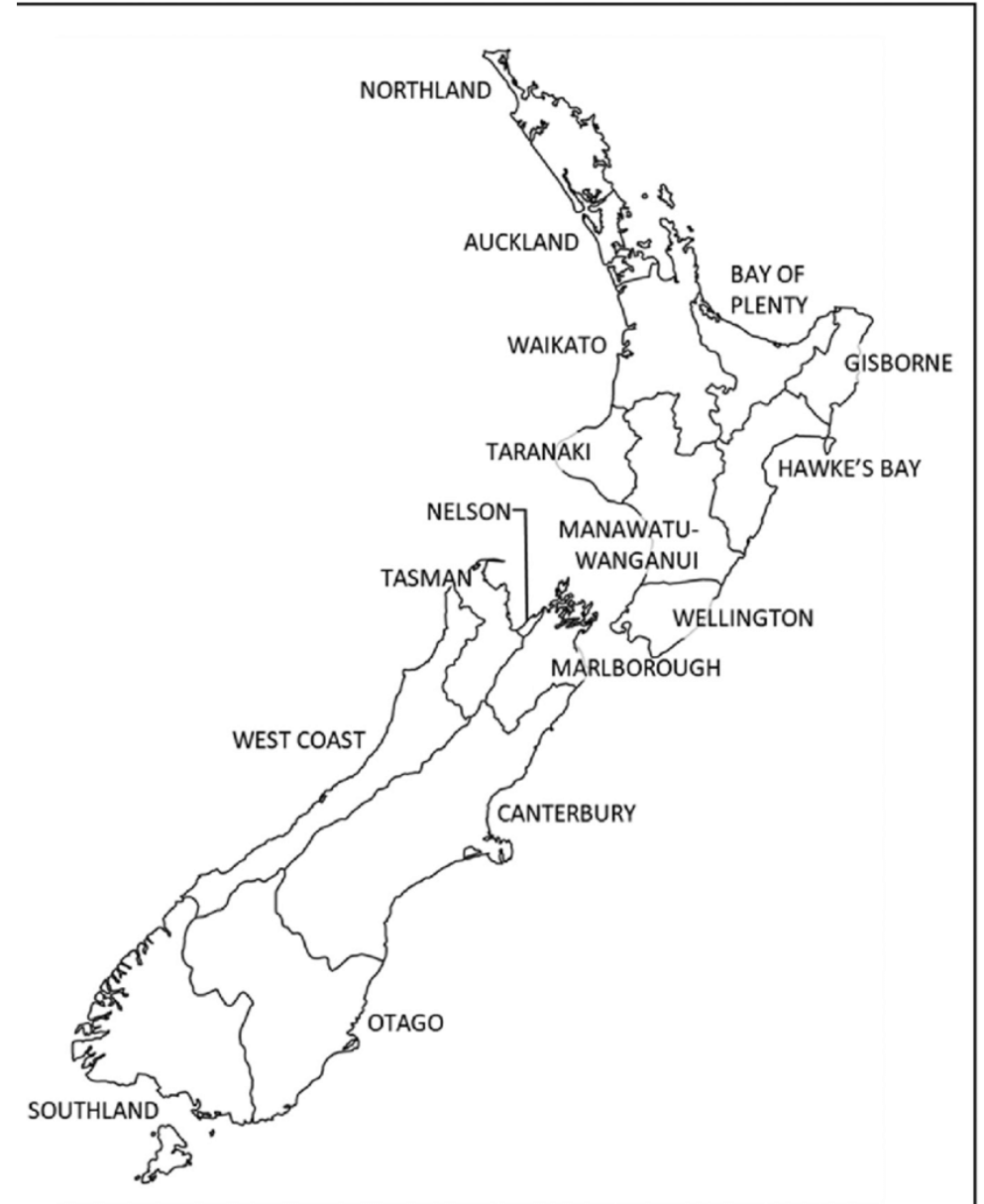
The Canterbury plains is the main region of arable farming.

The land is flat, providing easy access for big cultivating and harvesting machinery.

Soils are fertile and responds well to fertiliser.

Summers are dry to ripen grain crops.

Water is available for irrigating crops.



Arable crops

Arable Crops

Wheat

Barley

Maize

Oats

Grass, crop & vegetable seed

Wheat



Oats



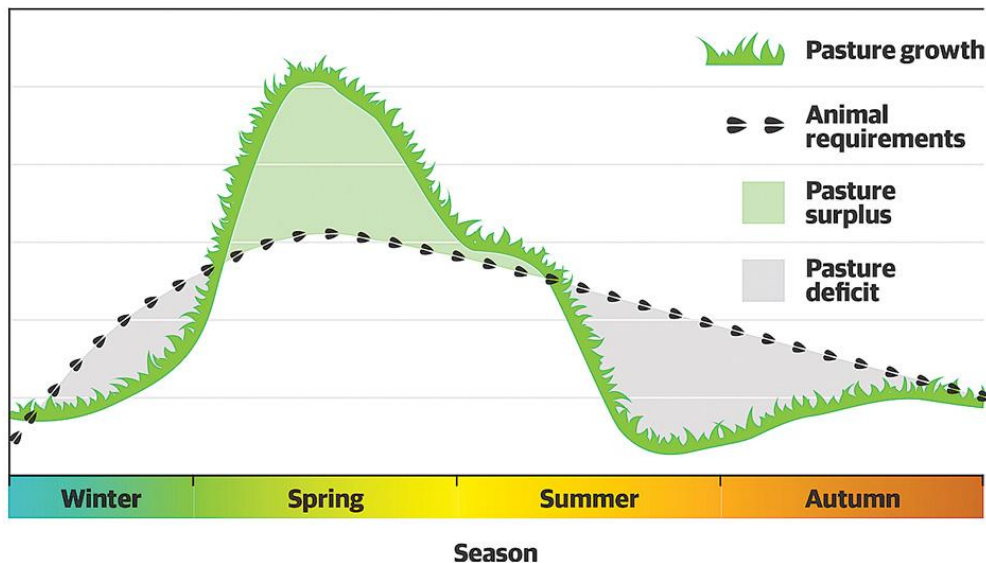
Barley



Crops grown to feed cattle and sheep

- Fodder and forage crops are grown on dairy and sheep and beef farms to feed animals when there is not enough pasture.

Figure 1: Pasture growth and animal requirement curves



Fodder	Forage
Cut & stored	Self-feeding
Hay	Pasture
Silage	Lucerne
Maize silage	Turnips
Balage	Fodder beet
	Swedes
	Green feed oats
	Kale
	Rape

Hay



Pasture silage



Wrapped silage/ Baille



Maize silage



Forage Kale



Forage Rape



Lucerne



Fodder beet



Turnips



Swede



Forage Kale



Lucerne



Maize silage



Pasture silage



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