

Caledonian is a tall, high yielding kale with softer stems that provides excellent winter feed for cattle. It has good winter hardiness and, like all kales, has good club root tolerance.

High yield

In trials *Caledonian* has shown excellent yield.

Total DM yield (trial mean = 100%)

Variety	Total DM yield*
<i>Gruner</i>	112 a
<i>Rawara</i>	104 ab
<i>Caledonian</i>	101 b
<i>Regal</i>	95 bc
<i>Sovereign</i>	94 d
<i>Kestrel</i>	85 d
Trial Mean	13,760 kg DM/ha

*Total DM yield over 7 trials in Southland, South Otago, & Canterbury from 2006/07 to 2008/09. Statistical significance lettering given for 5% LSD level, varieties with the same letter are not significantly different.

Soft stems

Caledonian shows excellent stem ME, compared with other tall kales.

Leaf and stem ME*

Variety	ME (MJ/kg DM)			
	Leaf	Top third of stem	Middle third of stem	Bottom third of stem
<i>Kestrel</i>	12.8 a	13.4 a	12.9 a	12.4 a
<i>Caledonian</i>	12.7 ab	13.2 ab	12.0 b	10.6 b
<i>Sovereign</i>	12.7 ab	12.9 b	12.0 b	10.3 bc
<i>Regal</i>	12.7 ab	13.0 b	11.3 c	10.1 bc
<i>Gruner</i>	12.7 ab	12.9 b	11.6 bc	9.7 c
<i>Rawara</i>	12.4 b	13.2 ab	11.7 bc	9.9 c

*ME data from 4 trials in Southland and Canterbury from 2006/07 & 2007/08. Statistical significance lettering given for 5% LSD level, varieties with the same letter are not significantly different.

Sowing rate 5 kg/ha

We recommend sowing *Caledonian* at 5 kg/ha as trials have shown this rate can yield 1.8 t DM/ha more than a rate of 4 kg/ha.

DM yield of *Caledonian* at two sowing rates*

Sowing rate	DM Yield (kg DM/ha)
<i>Caledonian</i> @ 5 kg/ha	15,618 a
<i>Caledonian</i> @ 4 kg/ha	13,864 b

*Combined analysis of 3 in Southland, South Otago, & Canterbury in 2006/07. Statistical significance lettering given for 5% LSD level, varieties with the same letter are not significantly different.

Using *Caledonian*

Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Sow						Graze			
Maturity Date:		150 - 220 days							
Typical yield:		12 - 16 t DM/ha							
ME:		11 - 12 MJ/kg DM							
Sowing rate:		4 - 5 kg/ha							