

STOLON DENSITY AND PERSISTENCE

Kotuku has a high stolon density for a large leaved clover.

2014-2017 Canterbury clover trial

Entry	Stolon density *
<i>Weka</i>	8.3 a
<i>Tribute</i>	6.8 ab
<i>Kotare</i>	6.4 ac
<i>Kotuku</i>	6.3 bc
<i>Mainstay</i>	5.0 c
Trial mean	6.5
LSD (5%)	1.7

*Measured in stolons per metre transect.

2013-2016 Canterbury clover trial (9 = highly persistent, 1 = no persistence)

Entry	Persistence score (20-Nov-15)
<i>Mainstay</i>	6.8 ac
<i>Kotuku</i>	6.7 ac
<i>Tribute</i>	6.0 bd
<i>Kopu II</i>	5.7 cd
<i>SF Quest</i>	5.5 ce
<i>Weka</i>	5.3 de
<i>Bounty</i>	5.2 de
<i>Kotare</i>	4.2 ef
<i>Huia</i>	3.8 f
No clover	1.0 g
Trial mean	5.4
LSD (5%)	1.4

SUGGESTED PASTURE SEED MIXES

Dairy		kg/ha
High yielding, high ME, quality feed	<i>Trojan NEA2</i> perennial ryegrass	10
	<i>Viscount NEA4</i> perennial ryegrass	15
	<i>Kotuku</i> white clover	2
	<i>Weka</i> white clover	2
Total		29
Dairy		kg/ha
High yielding, robust dairy mix	<i>Trojan NEA2</i> perennial ryegrass	18-22
	<i>Kotuku</i> white clover	2
	<i>Weka</i> white clover	2
	Total	22-26
Sheep & beef		kg/ha
Top performing palatable dairy pasture.	<i>Shogun NEA</i> hybrid ryegrass	30
	<i>Kotuku</i> white clover	2
	<i>Weka</i> white clover	2
	<i>Tuscan</i> red clover (coated)	6
Total		40
Sheep & beef		kg/ha
Summer crop finishing mix	<i>501 Chicory</i>	6
	<i>Kotuku</i> white clover	2
	<i>Tuscan</i> red clover (coated)	6
	Total	14

KOTUKU
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KEY FEATURES

- Faster establishment.
- Large leaved with exceptional dry matter production.
- Superior summer yield.
- Upright growth and medium stolon density suited to dairying and sheep/beef finishing.

FAST ESTABLISHMENT

Kotuku has consistently shown fast establishment in trial sowings.

2016 establishment trial (hundredised)

Entry	DM yield 7 weeks post-sowing
<i>Kotuku</i>	108 a
<i>Kotare</i>	103 ab
<i>Legacy</i>	98 ab
<i>Mainstay</i>	92 b
Trial mean	100
LSD (5%)	13



Kotuku sown into root trainers (in our breeding programme) showing its early vigour.

EXCEPTIONAL YIELD

White clover is critical for nutritive value and N fixation in pastures. It is also an important source of protein and ME for milking and growing stock, particularly in summer. *Kotuku* shows excellent seasonal growth, and has outperformed all other trialled cultivars over the critical summer period.

2013-2016 Canterbury DM yield data (hundredised). Trial mean = 100

This mixed sward trial included an entry without clover (ryegrass only), so the effect of clover on N fixation and yield is seen. *Kotuku* showed very high yield due to its compatibility with ryegrass.

Entry	Autumn	Winter	Early spring	Late spring	Summer	Total
<i>Kotuku</i>	117 a	107 bc	107 ab	109 a	121 a	114 a
<i>Kopu II</i>	114 a	115 a	112 a	109 a	110 b	111 ab
<i>Kotare</i>	105 bc	106 c	108 a	111 a	108 bc	106 bc
<i>Tribute</i>	102 bc	105 c	109 a	107 ab	102 bd	105 c
<i>SF Quest</i>	106 b	114 ab	111 a	105 ac	98 d	104 cd
<i>Mainstay</i>	110 ab	101 cd	100 c	99 bd	102 bd	102 cd
<i>Weka</i>	99 cd	97 de	100 bc	106 ac	101 cd	100 de
<i>Bounty</i>	94 de	88 f	92 d	97 cd	102 cd	97 e
<i>Huia</i>	88 e	91 ef	92 d	95 d	97 d	95 e
No clover	46 f	67 g	59 e	55 e	29 e	44 f
Trial mean	1765	721	970	1659	3101	8206
LSD (5%)	7	7	7	9	9	5

