

# MAKI

## field pea



### Key Features

- Green seeded blue pea
- Mid maturing variety
- High and stable yield
- Powdery mildew resistant and downy mildew tolerant
- Suitable for stock feed or human consumption

### Plant Characteristics

Maki is a mid season maturing, semi leafless field pea with white flowers. Maki has a very erect growth habit of medium height. See Table 2 for detailed characteristic information.

### Adaption and Yield

Maki was first tested in the National Variety Trial (NVT) program in 2008, across New South Wales. Table 1 presents the yields of Maki and comparator varieties in a number of trials across NSW in 2008, highlighting the varieties yield potential in different environments.

### Grain Quality

Maki is a green seeded blue type pea, that is suitable for human consumption or stock feed. The variety produces samples with a low hard seed count, and shows good resistance to seed bleaching.

### Disease Profile

Maki has a good level of resistance to downy mildew, and, unlike many currently available pea varieties, is resistant to powdery mildew. Maki is also resistant to pea seed-borne mosaic virus, and has a high level of resistance to bean leafroll virus. See Table 2 for detailed disease data.

### Breeding

Maki was tested in Australia as AP18.

fact sheet for eastern Australia



SEEDS FOR SUCCESS

**Table 1. Yield of Maki and control varieties (% of site mean) across New South Wales sites in the National Variety Trial program 2008.**

Variety	Goonumbla	Trangie	Brocklesby	Temora	Condobolin	All NSW
<b>Maki</b>	<b>119</b>	<b>140</b>	<b>88</b>	<b>96</b>	<b>89</b>	<b>114</b>
Bundi	99	90	78	120	102	99
Excell	63	60	-	59	48	-
Kaspa	100	77	106	83	102	90
Morgan	81	63	105	86	110	82
Parafield	81	84	121	92	130	92
Sturt	86	91	79	114	137	98
SW Celine	126	141	122	122	117	128
Yarrum	120	132	107	81	106	112
Site Mean t/ha	2.7	2.9	1.0	2.3	0.8	1.9

**Table 2. Disease ratings and plant characteristics for Maki and control varieties.**

Variety	Plant Characteristics			Disease		
	Type	Leaf Type	Height	Bacterial Blight*	Downy Mildew	Powdery Mildew
<b>Maki</b>	<b>Blue</b>	<b>SL</b>	<b>M</b>	<b>S</b>	<b>MR-MS</b>	<b>R</b>
Bundi	White	SL	M	S	S	MS
Excell	Blue	SL	M	S	MR	S
Kaspa	Dun	SL	M	S	MR	S
Morgan	Dun	SL	T	MR	R	S
Parafield	Dun	C	T	MR-MS	S	S
Sturt	White	C	T	MR-MS	MS	S
SW Celine	White	SL	M	S	MR-MS	S
Yarrum	Dun	SL	M-S	MR-MS	S	R

R = Resistant, MR = Moderately Resistant, MS = Moderately Susceptible, S = Susceptible, VS = Very Susceptible, SL = Semi-leafless, C = Conventional, T = Tall, M = Medium, S = Short. \* Resistance only demonstrated to the Bacterial blight pathovar *Pseudomonas syringae* pv *syringae*.  
 Source: NSW DPI Winter Crop Variety Sowing Guide 2009.

## Seed Availability

Commercial quantities of Maki seed will be available for 2009 through an AGT Affiliate: Agrigrain: (02) 6889 2200, Auswest Seeds: (02) 6852 1500, Baker Seed Co.: (02) 6032 9484, Hart Brothers Seeds: (02) 6924 7206, Highlease Seeds: (03) 5345 6431, Superior Seed Co.: (03) 5881 6689, or your local retailer.

## Plant Breeders Rights

Maki is protected by PBR and all production (except seed saved for planting) is liable to an End Point Royalty (EPR), which funds future plant breeding. Maki growers will be subject to a Growers Licence Agreement that acknowledges that an EPR of \$4.00/tonne plus GST has to be paid on all production other than seed saved for planting.

## Acknowledgements

Maki was bred in New Zealand by Plant Research NZ Ltd., and identified and tested by the University of Sydney Plant Breeding Institute (PBI), Narrabri. This program was supported by the Pork CRC.

[www.ausgraintech.com](http://www.ausgraintech.com)

Seeds office: 02 6881 6210

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