

# Yarrum



SEEDS FOR SUCCESS

## Key Features

- Semi-leafless, semi-dwarf and purple flowered dun type pea.
- Medium flowering pea.
- Resistant to powdery mildew
- Consistent high yield

## Synonym

96-28

## Pedigree

C1217//8554.1/ICI-Q51.2

## Plant Characteristics

Yarrum is a semi-leafless, semi-dwarf, purple flowered and dun type pea. It is a medium flowering pea – flowering in 90 – 100 days. Optimum planting time in northern NSW and southern QLD is 5<sup>th</sup> May until 5<sup>th</sup> June and from 10<sup>th</sup> May until 10<sup>th</sup> June for central NSW, with harvest late October.

## Yield

Region wide yield evaluation was conducted by the University of Sydney, NSW Agriculture and the Queensland Department of Primary Industries between 1999 and 2002. Results from these experiments suggest that Yarrum performs well across the entire region. Averages from experiments conducted at PBI Narrabri indicate that Yarrum yields 150% of Kiley and Cressy Blue, 170% of Mukta and 190% of Parafield.

## Grain Quality

Yarrum is a dun seeded pea with a large seed suitable for the human consumption market subject to meeting specifications for the grade. It is also suitable for use in livestock rations.

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## Plant Breeders Rights

Yarrum is protected by PBR and all production is liable to an End Point Royalty (EPR) which funds future breeding. Yarrum growers will be subject to a Growers License Agreement that acknowledges that an EPR of \$4.00/tn plus GST has to be paid on all production.

## Seed Availability

Commercial quantities of Yarrum seed will be available for 2008 sowing in Australia through AGT Seeds.

## Disclaimer

The information contained in this brochure is based on knowledge and understanding at the time of writing. Growers should be aware of the need to regularly consult with their advisors on local conditions and currency of information.

## NSW DPI Yield Results from 1999 - 2005

Variety	Yield % Kaspa*		Yield % Yarrum*	
	Central & West		North	
	%	No. Trials	%	No. Trials
<b>Dun Peas</b>	Kaspa = 2.65 t/ha		Yarrum = 1.53 t/ha	
Dundale	83	47	65	3
Kaspa	100	45	66	8
Morgan	90	50	0	0
Parafield	102	52	76	25
<b>Yarrum</b>	<b>99</b>	<b>21</b>	<b>100</b>	<b>25</b>

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## Disease Resistance

Yarrum is resistant to powdery mildew – the major disease threat to pea production in the region.

### Variety characteristics and reaction to diseases (NSW DPI Winter Crop Variety Sowing Guide 2005).

Variety	Standing at Maturity	Leaf Type	Height	Disease		Seed size (g/100 seeds)
				Downy Mildew	Powdery Mildew	
Dundale	2	C	T	P	S	22
Kaspa	4	SL	M	R	S	22
Morgan	3	SL	T	VG	S	18
Parafield	2	C	T	P	S	23
<b>Yarrum</b>	<b>4</b>	<b>SL</b>	<b>M</b>	<b>-</b>	<b>R</b>	<b>-</b>

Standing: 1-9 (1=flat on ground, 9 = erect)

Leaf Type: C=Conventional, SL = semi-leafless

Height: T = tall, M = Medium

Downey Mildew resistance: VG = Very Good, G = Good, M = Moderate

P = Poor, - = insufficient data

Powdery Mildew resistance - R = Resistant, S = Susceptible

## Breeding

The original cross was made in 1991 by New Zealand Institute for Crop and Food Research Limited, Lincoln, New Zealand. The seed parent is a white seeded breeding line. The pollen parent is a purple flowered breeding line. Selection and seed multiplication were conducted from F2-F5. In 1996 F6 yield experiments were conducted in New Zealand. From 1999 – 2002 Yarrum was evaluated in central and northern NSW and southern QLD as one of a number of Crop and Food lines. Selection criteria were grain yield and disease resistance.