

PIZZAZZ

A new high yielding yellow, semi-leafless field pea from Plant Research (NZ) Ltd

Pizzazz was bred in New Zealand and developed as a food pea suitable for plant protein extraction in the USA where it is being used in supply chains for plant protein food products. It is also suitable for use as a feed pea. In New Zealand trials, Pizzazz has consistently out-yielded Yellowstone.

Key Features

- High grain yield
- Tolerance to pea downy mildew
- Bred specifically for use in plant protein markets

Characteristics

Pizzazz is a spring-sown variety that produces a crop of medium-tall height and matures mid-season.

Early plant vigour is good, and under ideal growing conditions Pizzazz will tiller and compensate for minor gaps in establishment.

Flowering normally commences at nodes 16-17.

Flowers are white and normally 2 flowers are produced at each node.

Management

General agronomic practices should be similar to those applied to other field pea varieties.

Choose your paddock carefully giving consideration to soil structure and previous cropping history. A minimum of four years between pea crops is recommended. Check your paddock's aphanomyces root rot status and avoid paddocks with an unsafe Disease Severity Index.

Spray for aphids early if numbers are starting to build up. Pizzazz, like most other varieties is susceptible to a range of aphid transmitted viral diseases. Early intervention is critical to avoid yield loss.

Pizzazz is best sown from mid-September to mid-October. The recommended sowing rate will depend on the grain size planted. Aim for a target population of 80-100 plants/m²



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Herbicides

Pizzazz has been tested with a range of commercially available and recommended herbicides. Check with your agent for the best possible advice.

Pizzazz will respond to irrigation, but careful monitoring of soil moisture levels is recommended to avoid excessive or insufficient irrigation. Small amounts often are the best strategy. Lateral irrigation is preferable to guns – aim to keep the crop standing as long as possible.

Lodging resistance

Pizzazz lodging resistance is rated as moderate. The crop will generally stand for the majority of the season until late pod fill when some lodging may be seen. In our experience to date we have not seen the crop go completely flat. Avoid excessive nitrogen that would encourage excessive vine growth and avoid watering with guns.

Disease

Pizzazz will respond to a systemic aphicide targeted when aphid flights start to build in numbers. Aphids transmit a range of destructive viral pathogens. Monitor crops for powdery mildew around mid-late December and apply a fungicide early – only one application is normally needed to control this disease.

Table 1. Summary of Pizzazz's characteristics and performance compared with existing varieties. Pizzazz was evaluated at irrigated, spring-sown sites at Lincoln between 2004 and 2006.

Variety	PIZZAZZ	YELLOWSTONE
Relative yield Canterbury 2018/19	108	100
Relative yield Canterbury 2019/20	120	100
Powdery Mildew Resistance	Susceptible	Resistant
Grain size (mg)	240	230
Downy mildew resistance (1-91)	6	7
Ascochyta blight (Mycosperella pinodes)	6	5
Maturity	Medium	Medium
Lodging resistance (1-9)	5	6

Pizzazz is targeted at domestic feed and export food markets and is suitable for fractionation for the production of food ingredients Marketing and Utilisation:

The Seed Licence for Pizzazz in New Zealand is Cates Grain & Seed Ltd.



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