

ALEZAN

F I E L D P E A S

ALEZAN: A new high yielding white seeded, semi-leafless field pea

ALEZAN is the only white seeded field pea available in New Zealand with resistance to pea powdery mildew, and good tolerance to pea downy mildew

ALEZAN is currently one of the highest yielding peas on the UK Recommended List In New Zealand trials, **ALEZAN** has consistently out-yielded other new Zealand varieties

KEY FEATURES:

▶ **High grain yield**

The 06/07 crop has produced yields over 6 tonne per ha.

▶ The best available all-round disease resistance available in a New Zealand feed pea variety

▶ Resistant to pea powdery mildew

▶ Improved tolerance to pea downy mildew

▶ Bred specifically for feed (high protein, low trypsin inhibitor activity)

ALEZAN 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 ALEZAN 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.

Grain quality is superior to the Rex cultivar with less cracked seed coats.

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. **ALEZAN**, like most other varieties is susceptible to a range of aphid transmitted viral diseases. Early intervention is critical to avoid yield loss.

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

Herbicides:

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

ALEZAN will respond to irrigation, but careful monitoring of soil moisture levels is recommended to avoid excessive or insufficient irrigation.

Lodging resistance:

ALEZAN's 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.

Disease resistance

ALEZAN has genetic resistance to pea powdery mildew and improved tolerance to downy mildew. In the wet season on 2004/05 **ALEZAN** coped very well with prolonged wet conditions.

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

Variety	Relative Yield Lincoln 04/05	Relative Yield Lincoln 05/06	Powdery mildew resistance	Grain size (mg)	Downy mildew resistance (1-9 ¹)	Ascochyta blight (<i>Mycosperella pinodes</i>)	Maturity	Lodging resistance (1-9)
ALEZAN	106	105	Resistant	230	7	6	=	5
Miami	100	100	Susceptible	220	5	5	=	6
Rex	98	95	Susceptible	220	5	4	=	4

¹ Disease resistance rated on a scale of 1 (susceptible) to 9 (highly resistant)

Lodging resistance rated on a scale of 1 (completely flat) to 9 (completely erect).

Marketing and Utilisation:

The Seed Licencee for **ALEZAN** in New Zealand is Cates Grain & Seed Ltd.

ALEZAN is targeted at domestic feed and export food markets

Further information on seed availability should be directed to:

Mr Martin Reid
Cates Grain & Seed Ltd
Ph: 03 308 7166
Email: martin@cates.co.nz