

BELLAIR

# Bellair Field Pea

A new high yielding yellow, spring sown field pea  
from Plant Research (NZ) Ltd.

## KEY FEATURE: Four-way disease and virus protection:

- **RESISTANT** - PSbMV - Pea seed-borne mosaic virus - protects seed quality and future generations.
- **HIGHLY TOLERANT** - Powdery Mildew - Late-season canopy protection, reducing fungicide reliance
- **RESISTANT** - PEMV - pea enation mosaic virus - Aphid-vectored; guards yield and pod fill.
- **RESISTANT** - Fusarium wilt - Race 1 (F. oxysporum f. sp. pisi) — soil-borne pea wilt; protects crop establishment.

## PLANT TYPE & STANDING:

|                          |                        |
|--------------------------|------------------------|
| Plant type               | Semi-leafless          |
| Lodging / standing       | Good lodging tolerance |
| Flower colour            | White                  |
| Flowering node           | 16–17                  |
| Standing ability (1–9)   | 7                      |
| Maturity (earliness 1–9) | 5 · mid-season         |
| Straw length             | 77 cm                  |

## SEED CHARACTER:

|                    |              |
|--------------------|--------------|
| Cotyledon          | Yellow       |
| Seed shape         | Spherical    |
| Market class       | Yellow pea   |
| TGW (g)            | 242 @ 15% mc |
| Crude protein (%)  | 21.2 dry     |
| Downy mildew (1–9) | 5            |

## PERFORMANCE AT A GLANCE

\*source: PGRO Descriptive Lists 2020

|                                                |                                            |                                                                |
|------------------------------------------------|--------------------------------------------|----------------------------------------------------------------|
| YIELD<br><b>109%</b><br>of control · 3.81t/ha  | STANDING<br><b>7/9</b><br>at harvest       | MATURITY<br><b>5/9</b><br>earliness - mid-season               |
| TGW<br><b>242g</b><br>@15% mc                  | PROTEIN<br><b>21.2%</b><br>dry basis       | POWDERY MILDEW<br><b>Highly Tolerant</b><br>Breeder rating: HR |
| PSBMV<br><b>Resistant</b><br>seed-borne mosaic | PEMV<br><b>Resistant</b><br>enation mosaic | FUSARIUM WILT<br><b>Resistant</b><br>race 1 - pea wilt         |

**Cates** 

Plant   
Research (NZ) LTD.

# BELLAIR

## COMPARISON WITH PIZZAZZ - The Bellair advantage:

- **VIRUS RESISTANCE** - Ahead of Pizzazz on PSbMV and PEMV. Provides more reliable grain quality for premium and protein markets.
- **POWDERY MILDEW** - Highly tolerant vs Pizzazz. Typically removes the need the late-December fungicide in a spring crop.
- **FUSARIUM WILT - RACE 1** - Race 1 resistance which Pizzazz lacks = better establishment and survival in wet seasons.
- **SMALLER SEED SIZE** - Lower TGW (242g) than Pizzazz = fewer kg/ha for the same plant stand, cutting seed cost.

**On par with Pizzazz** - lodging resistance and maturity are similar so no trade-off in standing power or timing.

## GROWING NOTES

The semi-leafless canopy interlocks through its tendrils to hold the crop upright as pods fill — the basis of Bellair's good lodging tolerance, aiding even senescence and a cleaner combine sample.

Spring-drill into a firm, level seedbed once soils are workable, setting seed rate to a target plant population using the confirmed TGW. White-flowered peas suit premium human-consumption markets as well as feed.

*Yield is 109% of the 4- & 5-year control mean (3.81 t/ha); PGRO differences under 11.3% are not statistically significant.*

| END USE & MARKETS                        |
|------------------------------------------|
| Splitting - yellow split peas            |
| Protein extraction & fractionation       |
| Micronising & human consumption          |
| Home-grown protein for feed rations      |
| White-flowered - premium-market eligible |



For more information  
contact Martin Reid,  
Cates on:  
0800 900 308 or email:  
martin@cates.co.nz

