

# RGT Planet

- **Reliable yielding spring barley**
- **Dual-purpose feed and malting barley**
- **Consistent yield performance across all growing regions, especially the lower North Island**
- **Good straw strength compared to other cultivars**



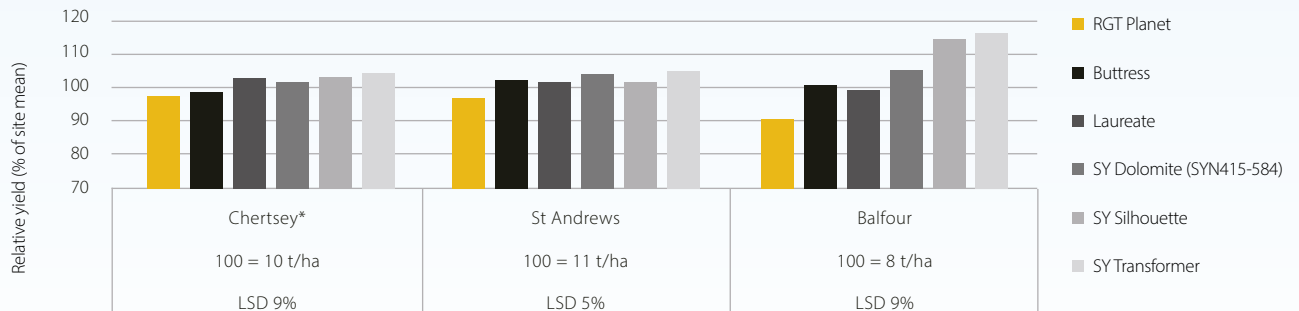
## Description

RGT PLANET is a high yielding feed barley variety, bred in France by RAGT and developed in New Zealand in conjunction with Seed Force Ltd as head licensee and PGG Wrightson Grain (PGW Grain).

## Yield

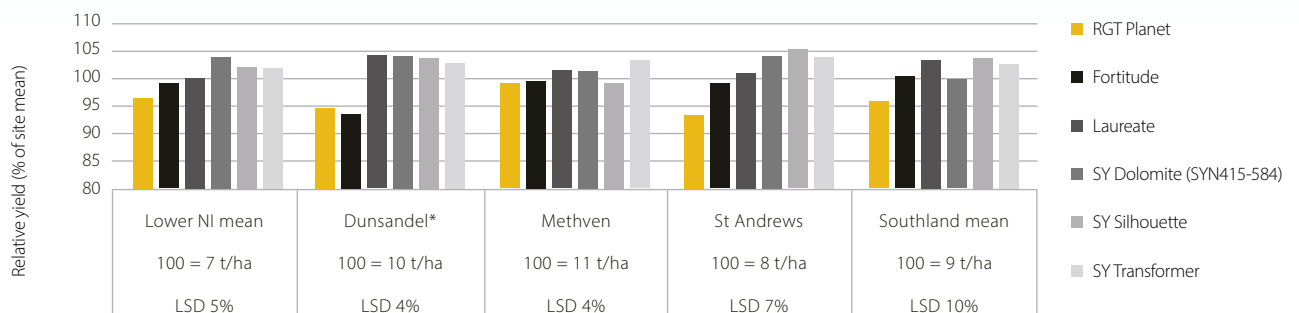
RGT PLANET has yielded consistently over the past eight years in CPT spring trials. While not the top performer at all sites, RGT PLANET is a reliable cultivar across multiple autumn and spring locations.

### FAR (CPT) Autumn Sown Trials (4 Year Mean)



\*Chertsey is only 3 years of data. No data for 2019-20

### FAR (CPT) Spring Sown Trials (4 Year Mean)



\*Dunsandel is only a 3 year mean (no data from 2021-22)

<b>CPT RGT PLANET grain quality (4 year mean)</b>	<b>Canterbury (Autumn)</b>	<b>Southland (Autumn)</b>	<b>Lower NI (Spring)</b>	<b>Canterbury (Spring)</b>	<b>Southland (Spring)</b>
Kernel weight (1000 seed weight)	51	50	58	55	57
Test Weight (kg/hl)	63	63	63	64	64
Protein content (%) (N% x 5.7)	11.3	12.7	11.9	11.8	12.9
Screenings (%)	4.5	6.3	2.1	3.2	4.2

RGT PLANET produces a rare combination of yield and excellent grain quality.

### **Time of drilling**

RGT PLANET is an established autumn drilled barley, although drilling is not recommended until early May owing to the risk of frost damage during flowering. It can be drilled through the winter into the spring, although sowing through the coldest weeks of June and July is not recommended, especially in heavy soils prone to waterlogging. Spring sowing is typically from early August to late September, except in the lower North Island, where drilling can be as late as November.

### **Speed of development**

<b>Month planted</b>	<b>Typical heading dates for RGT PLANET in Canterbury</b>
Mid May	Late October – Early November
Mid August	Mid November
Mid September	Late November

RGT PLANET has early to intermediate maturity at harvest.

### **Seed rate and tillering characteristics**

RGT PLANET is a medium to high tillering variety, and target plant populations should be within the standard PGW Grain barley seed rate guidelines.

### **Soil type, rotation and geography**

RGT PLANET can be planted on all soil types where barley is already grown and can be grown as a first or second-year cereal. As a second-year cereal, barley is generally more take-all tolerant than wheat, however, yield will be lower than a first-year barley crop.

### **Disease resistance**

RGT PLANET is mostly resistant to powdery mildew, and moderately resistant to scald. However, it is moderately susceptible to net blotch and leaf rust. Considering this disease profile, RGT PLANET will need a moderate to robust fungicide programme where there is pressure for leaf rust and net blotch. In PGW Grain agronomy trials (2022/23), RGT PLANET produced a moderate untreated yield and fungicide responses of 2.0-3.8 t/ha from an autumn sowing. Please contact your local PGW Representative for site specific recommendations.

### **Disease resistance results:**

<b>Disease</b>	<b>PGW disease nursery ratings (9 highly resistant, 1 highly susceptible)</b>
Scald	6
Net blotch	5
Leaf rust	4
Powdery mildew	8

### **Straw strength and height**

RGT PLANET is a medium to tall, stiff-strawed cultivar. In Europe, it rates high for brackling resistance, and the New Zealand experience is similar. Autumn sowings will typically require plant growth regulator (PGR) investment, especially under irrigation. Some spring crops may not need a PGR programme. The actual programme is determined by a combination of local conditions, management and yield potential. As with any cultivar, do not apply if the crop is under any form of stress. Please contact your local PGW Representative for site specific recommendations.