

Firelight

- ✓ **High yield potential under a wide sowing window – April until June (medium vernalisation requirement)**
- ✓ **Well suited to Canterbury and Southland including dryland sites**
- ✓ **Good disease resistance profile, especially for Septoria leaf blotch**
- ✓ **A consistent performer in second year wheat trials**

FIRELIGHT is a winter feed wheat cultivar bred by Limagrain UK and further developed by PGG Wrightson Grain (PGW Grain). It has a unique rich green leaf and ear colour, a spreading plant habit, medium height and moderate straw stiffness. FIRELIGHT produces a hard endosperm grain with acceptable grain quality characteristics for feed use.



YIELD

FIRELIGHT has consistently demonstrated stable yields across a range of trial sites throughout Canterbury and Southland. It is one of the leading cultivars in Southland.

TIME OF DRILLING

Due to its medium vernalisation requirement, the full yield potential of FIRELIGHT is most likely to be achieved from an early drilling window of early April to mid-June.

SEED RATE AND TILLERING CHARACTERISTICS

FIRELIGHT has good tillering capacity, and target plant populations should be in the mid-range appropriate for differing sowing dates.

SOIL TYPE, ROTATION AND GEOGRAPHY

FIRELIGHT has shown that it can perform well under a range of different soil types and environments, especially in Canterbury and Southland. FIRELIGHT has yielded well under irrigation and in rainfed/dryland locations.

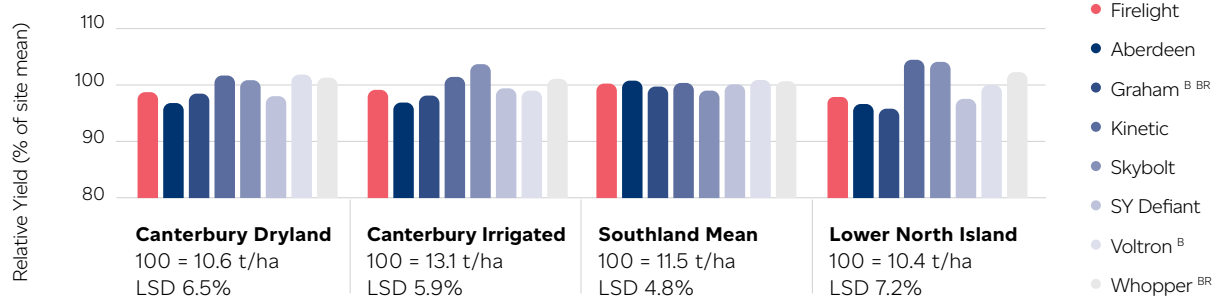
DISEASE RESISTANCE

FIRELIGHT has good resistance to Septoria leaf blotch and stripe rust, intermediate resistance to powdery mildew and susceptible to leaf rust. In the 2019-2022 PGW Grain fungicide trials, FIRELIGHT produced the highest untreated yields and fungicide responses of 0.5-2.8 t/ha. In 2023-2025 trials, under higher leaf rust pressure, FIRELIGHT produced fungicide responses of 2.8-7.7 t/ha. Considering this disease profile, a moderate to high fungicide programme is recommended with a focus on leaf rust and *Fusarium* head blight control. Please contact your local PGW Representative for site specific recommendations.

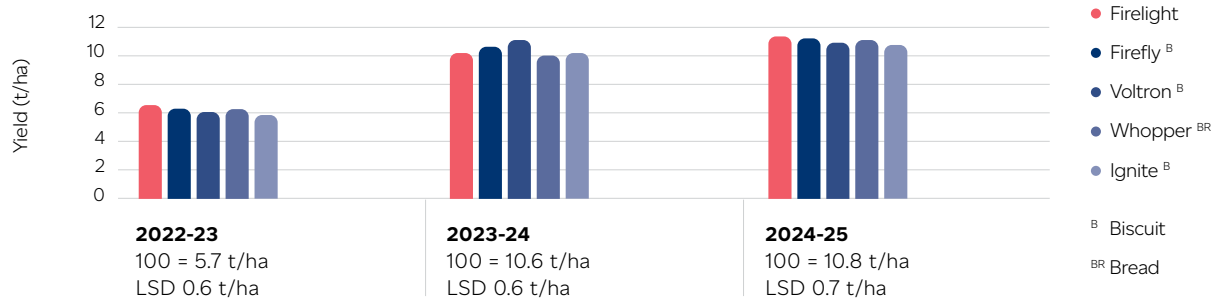
STRAW STRENGTH AND HEIGHT

FIRELIGHT is a medium height cultivar with moderate standing power. In the 2021/22 PGW Grain plant growth regulator (PGR) trial, in the absence of lodging, FIRELIGHT displayed a moderate response to a range of PGR programmes with a high input programme (Cycocel + Moddus Evo at GS 30 and GS 32) providing the greatest height reduction. The use of PGRs is recommended, with the actual programme determined by a combination of sowing date, seed rate, nitrogen use, crop thickness 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.

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



FAR Autumn Sown 2nd Year Wheat Trials, South Canterbury 2022-2024



GRAIN QUALITY

FIRELIGHT (CPT 4 Year Mean)

Kernel weight (1000 seed weight)	47	49	42
Test Weight (kg/hl)	71	71	69
Protein content (%)	9.9	9.1	10.2
Screenings (%)	1.1	1.0	1.0

	Canterbury	Southland	Lower North Island
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PGW GRAIN DISEASE NURSERY RATINGS

(9 highly resistant, 1 highly susceptible)

Stripe rust	9
Leaf rust	2
Septoria leaf blotch	8
Powdery mildew	7
Fusarium head blight	6

SPEED OF DEVELOPMENT

Typical heading dates for FIRELIGHT in Canterbury:

Month Planted

Late March **Early November**

Late May **Late November**

Late June **Early December**

FIRELIGHT is an intermediate maturing cultivar.