

Starfire

Feed Wheat

- A consistently high yielding winter feed wheat
- High yield potential under early sowing and irrigation
- Well suited to Canterbury and Southland regions
- Wide planting window due to low vernalisation requirement
- Good disease resistance profile



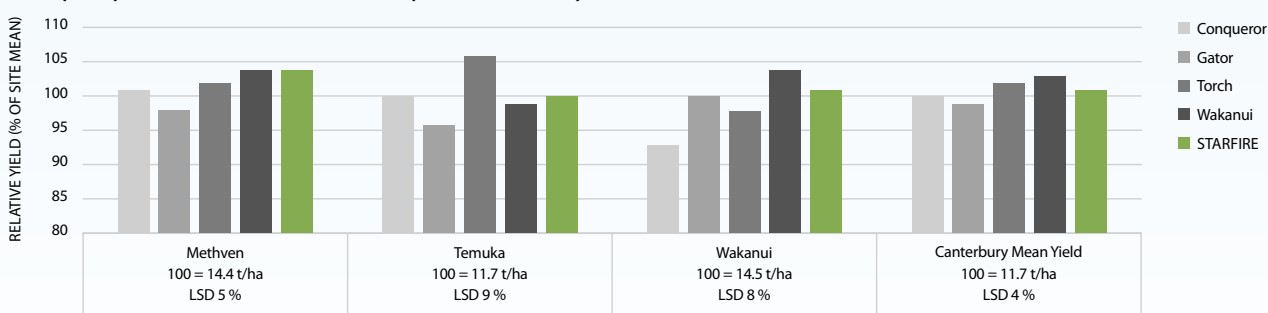
Description

STARFIRE is an established consistently performing feed wheat cultivar bred by Limagrain UK and further developed by PGG Wrightson Grain (PGW Grain). It has a compact efficient plant type with stiff short-medium straw. STARFIRE produces a plump soft endosperm grain with excellent grain quality characteristics.

Yield

STARFIRE has consistently demonstrated very high yields across a range of sites throughout Canterbury and Southland establishing itself as a preferred feed wheat cultivar by growers. Compared to other feed wheat cultivars, it has yielded particularly well in Southland and irrigated sites in Mid and South Canterbury.

FAR (CPT) AUTUMN SOWN TRIALS (4 YEAR MEAN)



CPT STARFIRE Autumn grain quality (4 year mean)	Lower North Island	Canterbury	Southland
Test weight (kg/hl)	68	73	74
Screenings (%)	2.9	1.6	2.2
Kernel weight (1000 seed weight)	37	44	46
Protein content (%) (N% x 5.7)	10.6	10.0	9.3

Time of drilling

The full yield potential of STARFIRE is most likely to be achieved from an early drilling window of late March to late April. From May and June planting STARFIRE will normally produce higher yield than other winter wheat cultivars due to its low vernalisation requirement and plant growth characteristics.

Speed of development

Month planted	Typical heading dates for STARFIRE in Canterbury
Late March	Early November
Late May	Late November
Late June	Early December

STARFIRE is an intermediate maturing cultivar. It is notable for its rapid development and grain fill after ear emergence.

Seed rate and tillering characteristics

STARFIRE has moderate tillering capacity and a tight V-shaped tillering habit. Target plant populations should be at the higher end of the ranges. A good guideline is to increase your sowing rate by 25% above the standard PGW Grain wheat seed rate guidelines (pg 5.)

Soil type, rotation and geography

STARFIRE has shown that it can perform well under a range of different soil types and environments especially in Canterbury and Southland. STARFIRE has yielded extremely well under irrigation as well as many rainfed/dryland situations. It has also been the top yielding cultivar in the FAR second year wheat trials since 2013.

Disease resistance

STARFIRE has good resistance to stripe rust although it is moderately susceptible to most diseases. Considering this disease profile a robust fungicide programme is recommended. Please contact your local PGW Representative for site specific recommendations.

Disease resistance results:

Disease	PGW disease nursery ratings (9 highly resistant, 1 highly susceptible)	CPT cultivar evaluation ratings
Stripe rust	8	Moderately resistant
Leaf rust	5	Moderately susceptible
Septoria leaf blotch	6	Intermediate resistance
Powdery mildew	5	Moderately resistant
Fusarium head blight	5	Moderately resistant
BYDV	n/a	Moderately resistant

n/a = no data available.

Straw strength and height

STARFIRE is a medium height cultivar with good standing power. It responds well to moderate plant growth regulator (PGR) programmes. Use of PGRs is generally recommended, with the actual programme determined by a combination of sowing date, seed rate, nitrogen use, crop thickness and yield potential. Please contact your local PGW Representative for site specific recommendations.