



SY DEFIANT

High yielding winter feed wheat with excellent disease resistance.

SY Defiant is a high yielding feed wheat, bred by Syngenta in the UK and developed in New Zealand in conjunction with Cropmark seeds as head licensee.

SY Defiant has high yield potential and has performed well in irrigated and dryland sites.

SY Defiant is a short variety with excellent straw strength and is early maturing. It has excellent disease resistance.

Agronomic Information

SY Defiant has an excellent disease resistance profile with trials showing a low response to fungicide use. This makes it a low cost, low risk variety to grow, together with a low sprouting risk and early maturity.

It can be sown from late March through to mid-July.

The ideal plant population for March/April sowing is 150 plants/m². For May and June sowing the plant population can be increased to 175 plants/m².

SY Defiant is a short stiff straw variety and will only need PGRs in high fertility and high yielding environments.

Disease and agronomic profile for SY Defiant wheat (FAR 2023/24 booklet).

Disease Profile	
Septoria tritici	Mostly Resistant
Stripe rust	Resistant
Leaf rust	Mostly Resistant
Powdery mildew	Resistant
Fusarium head blight	Moderately Resistant

Agronomic Profile	
Straw strength	Stiff
Crop height	Short
Maturity	Early
Sprouting susceptibility	Low

Grain Quality

Sy Defiant produces a big heavy grain with high test weight, grain weight and low screenings. Source: FAR Cultivar Evaluation booklet 2023/24

	TGW (g)	TEST WT (kg/hl)	SCR (%)
North Island	44	72	0.5
North Island mean	43	71	0.5
Canterbury	52	78	0.5
Canterbury mean	49	75	0.7

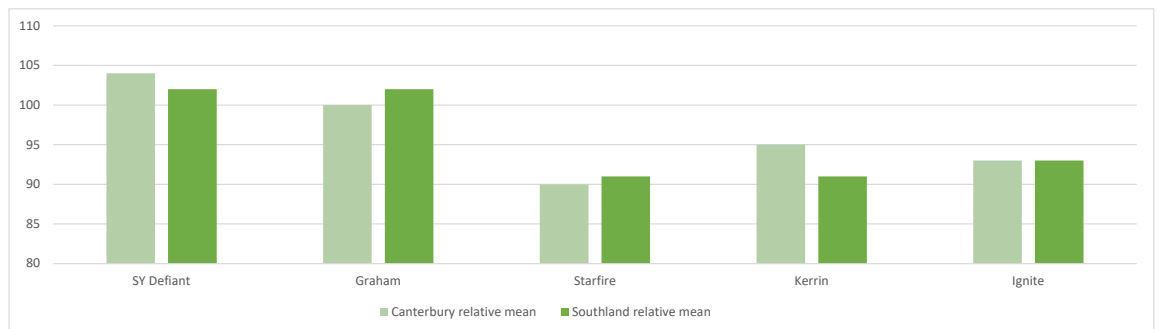
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Yields

SY Defiant has high yield potential and has performed well in irrigated and dryland sites.

Source (table and graph below): FAR Cultivar Evaluation - Autumn sown wheat and barley 2023/24. Presented as % of trial means.

Variety	Methven (irrigated)	Temuka (irrigated)	Balfour (dryland)
SY Defiant	103	107	104
Graham	99	100	101
Starfire	92	80	92
Firelight	98	104	104
Kerrin	96	88	92
Voltron	99	101	98
Ignite	96	91	94
Yield t/ha - mean	12.9	11.8	11.6



Nitrogen

A standard nitrogen programme for a feed variety should be applied to SY Defiant.

Fungicides

Timing (Growth Stage)	Comments
T0 (GS201/1)	Not required unless eyespot or fusarium treatment is needed
T1 (GS32)	Less intensive application required – a triazole plus multisite.
T2 (GS39)	Main fungicide application to keep the crop clean before ear emergence. Use a triazole and an SDHI such as ELATUS® Plus.
T3 (GS55-59)	A standard application of a strobilurin such as AMISTAR® and a triazole.



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