



## 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/m<sup>2</sup>. For May and June sowing the plant population can be increased to 175 plants/m<sup>2</sup>.

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 booklet).

Disease Profile	
Septoria tritici	Mostly Resistant
Stripe rust	Resistant
Leaf rust	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 booklet 2022

	TGW (g)	TEST WT (kg/ha)	SCR (%)
<b>North Island</b>	<b>51</b>	<b>76</b>	<b>0.5</b>
North Island ave.	47	73	0.7
<b>Canterbury</b>	<b>53</b>	<b>78</b>	<b>1.2</b>
Canterbury ave.	50	75	0.9
<b>Southland</b>	<b>59</b>	<b>72</b>	<b>0.8</b>
Southland ave.	44	67	0.9

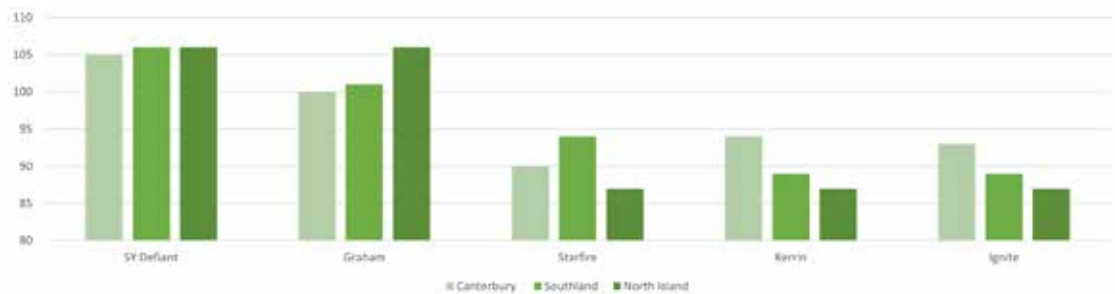
# SY DEFIANT

## Yields

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

Source (table and graph below): 2022-23 FAR trials. FAR Booklet 2023. Presented as % of trial means. Canterbury average of 6 trials, Southland average of 2 trials, North Island 1 trial. Yields are presented as % of trial means.

Variety	Canterbury	South Island	North Island
SY Defiant	105	106	106
Graham	100	101	106
Starfire	90	94	87
Firelight	104	107	99
Kerrin	94	89	87
Voltron	103	99	101
Ignite	93	89	87
Yield t/ha	11.2	9.07	11.1



## 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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