

GRAHAM - Not your average wheat variety

Introducing GRAHAM

GRAHAM is an exciting new feed wheat variety, bred by Syngenta in France and developed in NZ in conjunction with Cropmark Seeds as head licensee. GRAHAM has a different disease profile to UK bred feed wheat, and yields well across all NZ regions. It has a robust disease package and produces a big and heavy grain sample. In its first year of FAR trials, GRAHAM produced outstanding yields across a wide range of sites, with yields in Canterbury ranging from 11.3 t/ha on dryland - to 17.5 t/ha under irrigation in Methven.

Average yields (t/ha)

	North Island	Canterbury	Southland
GRAHAM	10.1	13.9	13
Wakanui	8.9	13.3	11.2
Starfire	6.8	12.9	11.8
Inferno	5.1	13.2	11.3
Ignite	8.5	13.7	11.9

Source: FAR booklet 2016/17

Grain quality

	T.G.W. (g)	Test weight (kg/hl)	Screenings %
GRAHAM Nth Island	50	71	0.3
Trial Avg. Nth Island	39	67	1.2
GRAHAM Canterbury	54	74	1.0
Trial Avg. Canterbury	50	74	1.2
GRAHAM Southland	58	74	0.4
Trial Avg. Southland	53	75	0.9

Source: FAR Booklet 2016/17

Agronomic information

GRAHAM has stiff straw, but is a medium tall variety so will benefit from a moderate PGR program. It has an excellent disease profile, with low sprouting risk and early maturity. It can be sown from late March through till late June. The ideal plant population for March/April sowing is 150 plants/m². For late May and June sowing, plant population should be increased to 200 plants/m².

Disease and agronomic profile - GRAHAM wheat (FAR booklet 2016/17)

Septoria tritici	Moderately resistant	Straw strength	Stiff
Stripe rust	Mostly resistant	Crop height	Medium Tall
Leaf rust	Moderately resistant	Maturity	Early
Powdery mildew	Moderately resistant	Sprouting susceptibility	Low
Fusarium head blight	Mostly resistant		

Nitrogen

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

Plant Growth Regulators

GRAHAM is a medium tall variety and will respond to a plant growth regulator (such as MODDUS® EVO) applied at GS31 to increase stem strength and reduce the risk of lodging.

Fungicides

GRAHAM will respond to a robust fungicide programme based on an SDHI (such as ELATUS™ PLUS) plus DMI at T1 and T2 for *Septoria* and rust control, followed by a strobilurin (such as AMISTAR®) plus DMI at T3 for rust and ear disease control, and for green leaf retention.

For more information contact Advance Agriculture on: 0800 227 226
or email: admin@advance-agriculture.co.nz

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