

GRAHAM

Graham is a high yielding winter feed with a wide sowing window - late March until late June. It has a good disease resistance profile and it responds well to fungicides.

Graham is an exciting feed wheat variety, bred by Syngenta in France and developed in conjunction with Cropmark seeds as head licensee. Graham has a different disease profile to UK bred feed wheat and yields well across all New Zealand 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.

Agronomic Information

Disease and agronomic profile for Graham wheat (FAR 2019/20 autumn cultivar booklet).

Septoria leaf blotch	Moderately Resistant
Stripe Rust	Mostly resistant
Leaf Rust	Intermediate Resistance*
Powdery Mildew	Moderately Resistant
Fusarium head blight	Moderately Resistant

*Resistance is affected by pathotypes present (score is average).

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. 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.

Yields

Graham is an average to high yielding feed cultivar performing well under both irrigated and dryland conditions across all sites and regions tested.

Graph 1. Yields from FAR trials in Mid and South Canterbury 2019/20 ((Autumn Sown Wheat) - 4 year adjusted mean

Values are showing relative yield results to the overall average yield of all wheat cultivars combined

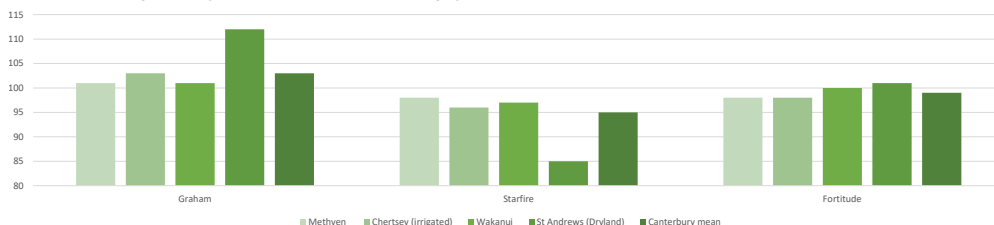


Table 2. Yields (t/ha) from the FAR Autumn Sown Wheat Cultivar Evaluation 2020/21 Season

	Methven	Chertsey	Overall (Canterbury mean)
Graham	13.5	12.5	12.3
Wakanui	12.8	11.3	11.6
Starfire	12.1	11.6	11.2
Ignite	13.0	10.9	11.4
Mean	12.9	11.7	11.6

When to sow

SY Silhouette is a spring barley and can be sown from late April / early May in the autumn right through to October/ early November in the spring.