

NEW



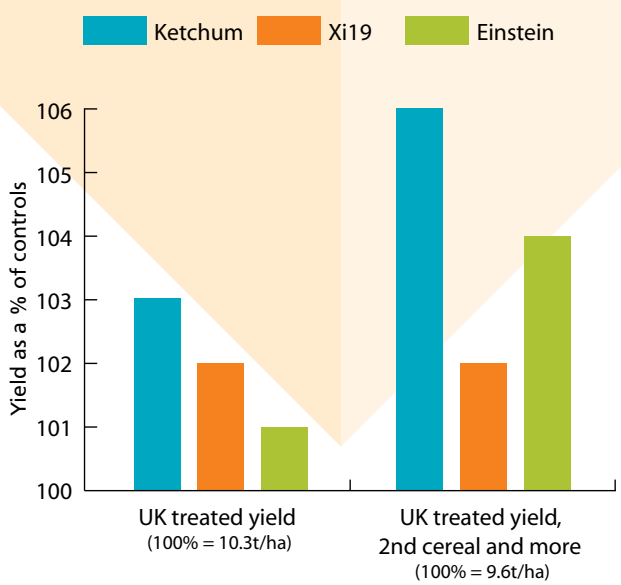
The high yielding breadmaking winter wheat with excellent disease resistance

Parentage: Solstice x Xi19

Status: HGCA Recommended List 2009

Yield Potential

Ketchum is an exceptionally high yielding nabim Group 2 winter wheat, with an unbeatable second wheat yield among breadmaking varieties.



High breadmaking variety yields across all HGCA regions and soil types

	Variety yield as a % of controls		
	Ketchum	Xi19	Einstein
Light soils treated yield (9.5t/ha)	(103)	100	102
Heavy soils treated yield (10.7t/ha)	103	102	101
East region treated yield (10.2t/ha)	103	103	101
West region treated yield (10.4t/ha)	103	99	100
North region treated yield (10.4t/ha)	(101)	100	102

Source: HGCA Recommended List 2009/10, () denotes limited data

Disease Resistance Profile

Ketchum has a robust all-round disease resistance profile.

Variety	Mildew	Yellow Rust	Brown Rust	<i>Septoria tritici</i>	Eyespot	Fusarium
Ketchum	8	8	5	6	5	(7)
Xi19	6	9	6	5	5	6
Einstein	6	7	5	5	6	6

Source: HGCA Recommended List 2009/10, () denotes limited data

Grain Quality

Ketchum is a nabim Group 2 variety and, when grown for quality, meets the specifications required for breadmaking.

Variety	Protein content (%)	Hagberg falling number (seconds)	Specific weight (kg/hl)
Ketchum	11.6	233	76.9
Xi19	11.6	267	75.6
Einstein	12.1	256	76.9

Source: HGCA Recommended List 2009/10

On the 1-9 scale high figures indicate that a variety shows the character to a high degree (e.g. high resistance)



Growth Habit

Ketchum has a semi-erect growth habit and will benefit from the application of a PGR. It has rapid growth through stem elongation and is suitable for drilling from October onwards.

Variety	Ripening days +/- Claire	Height without PGR (cm)	Resistance to lodging without PGR	Resistance to lodging with PGR
Ketchum	0	95	6	7
Xi19	0	97	4	6
Einstein	0	88	6	7

Source: HGCA Recommended List 2009/10

Agronomy

Always consult your agronomist and adapt to local conditions.

Seed Rate

Seed rates are dependent on soil conditions, rotation and time of drilling. The more difficult the environment, the higher the seed rate needs to be to compensate for potential plant loss. Suggested seed rates per square metre are shown below, these should always be used in conjunction with TGW.

- Early October: 220-250 seeds/m²
- Mid-October onwards: 250-275 seeds/m²

Core Fungicide Programme

As with all high yielding varieties, a robust fungicide programme is likely to result in an increase in yield.

T0 – Cherokee 0.75lt/ha only if disease risk is high + triazole if rust risk is high

T1 – Cherokee 1.25-1.5lt/ha + Unix 0.5kg/ha

T2 – Amistar Opti 1.25lt/ha + triazole (60% rate)

T3 – Amistar 0.5lt/ha + triazole (quarter to half rate)

Nitrogen Application

Ketchum's high yield means that extra nitrogen may be required to ensure that breadmaking specifications are met.

- Total application in the region of 180-220kg/ha
- 40-60kg N/ha at flag leaf fully emerged will increase the grain protein level

These figures are for guidance purposes only. You must work with your agronomist when calculating nitrogen rates and timings, taking into consideration end market requirements and the fertility of the field. You should also work within any Defra guidelines / restrictions.

PGRs

- Ketchum is a tall-strawed variety with moderate standing power
- Apply Moddus 0.2lt/ha + chlormequat 1.25lt/ha at T1
- Apply an ethephon-based product at T2

Storage Management

Correct storage of quality wheat is a priority to ensure harvest quality remains. Detailed wheat storage and marketing information can be found in the nabim publication 'Getting it right' and on the nabim website: www.nabim.org/uk

Source: Data from HGCA Recommended Lists, full database at <http://www.hgca.com>

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