

SUZUKA

High yielding 2-row feed winter barley

Parentage: Hurricane x Leonie

Status: HGCA Recommended List 2009

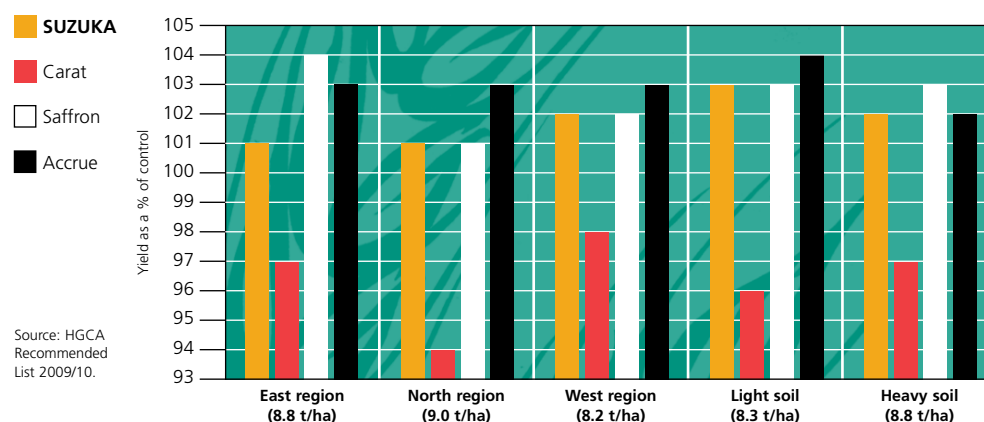
Yield Potential

Suzuka is a high yielding 2-row feed barley with outstanding disease resistance and grain characteristics.

Variety	UK treated Yield % (8.7 t/ha)	UK untreated Yield %
SUZUKA	101	85
Carat	97	79
Saffron	103	83
Accrue	103	85

Source: HGCA Winter Barley Recommended List 2009/10.

Yield Performance



Source: HGCA Recommended List 2009/10.

Disease Resistance Profile

Suzuka has an outstanding disease resistance profile, including resistance to both barley mild and barley yellow mosaic virus and is **the only variety with a maximum 9 rating for *Rhynchosporium***.

Variety	Mildew	Yellow Rust	Brown Rust	Rhynchosporium	Net Blotch	BaYMV
SUZUKA	5	8	7	9	7	R
Carat	6	7	5	7	6	R
Saffron	3	7	7	6	8	S
Accrue	6	7	7	8	8	S

Source: HGCA Winter Barley Recommended List 2009/10.

Fungicide Use

Always consult your agronomist and adapt programmes to local conditions.

- T0 - Only needed in extremely high risk disease pressure situations.
- T1 - T1 timing is the key for protecting the canopy during the plants' main spring growth period, as during this time competition from disease reduces the development of potential grain sites. The use of Kayak + a triazole or strobilurin-based product gives a broad spectrum of disease control. Triazole should be added in a curative situation or where the crop is showing high levels of brown rust.
- T2 - T2 application is to protect green leaf and prolong grain filling, as premature senescence caused by disease and abiotic leaf spotting reduces yield and increases loss through screenings and specific weight. Bravo has been demonstrated to have affect against biotic and abiotic leaf spotting as well as providing good disease control and prolonged green leaf retention.

CORE PROGRAMME

- T0 - Kayak + morpholine (only needed in high risk disease pressure situations)
- T1 - Kayak + triazole or strobilurin
- T2 - Amistar Opti + triazole

Note: Amistar Opti is a co-formulation containing azoxystrobin and chlorothalonil (Bravo).



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Agronomic Information

Suzuka has an excellent agronomic profile, with tall but stiff straw and early maturity.

Variety	Resistance to Lodging	Straw Length (cm)	Ripening (+/- Pearl, -ve =earlier)
SUZUKA	7	91	-2

Growth Habit

Source: HGCA Winter Barley Recommended List 2009/10.

Over winter: Semi prostrate

Spring vigour: Medium

Tillering ability: Medium

Maturity: Early

Drilling Dates

Suitability for early drilling: Good

Optimum drilling date: Late September

Recommended Sowing Rate

Seed rates are dependent on soil conditions at the time of drilling: the more difficult the environment, the higher the seed rate must be to compensate for potential plant loss. The table below shows the number of seeds per square metre that should be planted in good conditions.

September	October	November	December
300-350	325-375	350-425	425

This table should always be used in conjunction with thousand grain weight of the seed to calculate the seed rate.

Nitrogen Application

Suzuka has good lodging resistance, so will benefit from high amounts of nitrogen, however a managed approach according to site fertility needs to be taken into account.

In a second cereal situation, Syngenta Seeds recommends 170kg/ha N with a split dressing of 50% mid-March, and 50% during mid-April. 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

Suzuka has very good lodging resistance, but PGRs can be used to promote root development and even the crop.

Syngenta Seeds recommends the use of Moddus plus a chlormequat-based product at GS31.

A second PGR would only be needed in very lush crops, or on very fertile sites.

Core Guidelines

GS31-32 – Moddus 0.2 lt/ha + chlormequat 1.25 lt/ha at onset of stem extension.

GS37 – Moddus 0.3 lt/ha or ethephon + mepiquat chloride 1.0 lt/ha (in high risk situations).

Quality

Suzuka has excellent grain characteristics:

Specific Weight: 69.5 kg/hl

Screenings % through 2.25mm: 2.9

Screenings % through 2.5mm: 8.5

Source: HGCA Winter Barley Recommended List 2009/10.

Source: HGCA Recommended List 2009/10 - the full database can be consulted at www.hgca.com

Disclaimer

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