

HIGH YIELDS,
ROBUST AND
RELIABLE



Waggon

Spring Feed Barley

Parentage: NFC 499-69 x Vortex
Status: HGCA Recommended List 2010
SAC Recommended List 2010

Exceptional grain and straw yields

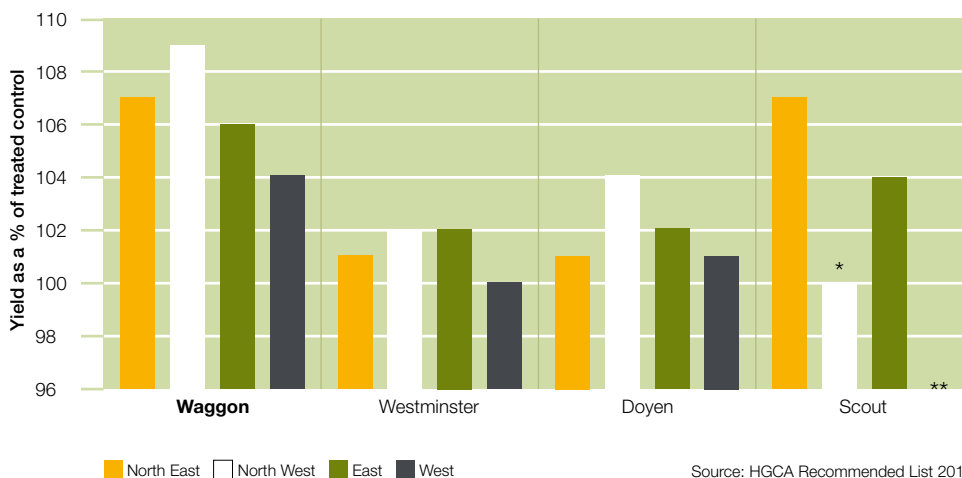
Yield potential

Waggon is an extremely high yielding spring feed barley. Its high grain yield is complemented by an exceptional straw yield (see Agronomic information).

Variety	UK Treated Yield % (7.2 t/ha)	UK Untreated Yield %
Waggon	107	92
Westminster	101	94
Doyen	101	92
Scout	105	93

Source: HGCA Recommended List 2010

Waggon consistently produces very high yields across all regions of the UK, whatever the soil type.



Source: HGCA Recommended List 2010

* Limited data

** No data available. Scout is a specific recommendation for the NE only.



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FEBRUARY 2010

Disease resistance

Waggon has generally good disease resistance, including a maximum 9 rating for mildew. However, growers should be aware of Waggon's 3 rating for Rhynchosporium and a managed fungicide programme is recommended.

Variety	Mildew	Brown Rust	Rhynchosporium	Yellow Rust
Waggon	9	6	3	7

Source: HGCA Recommended List 2010

Fungicide use

Always consult your agronomist and adapt programmes to local conditions.

Getting early to mid-season agronomy right is crucial to establishing a healthy crop.

T0 – Needed in extreme disease pressure situations (especially Rhynchosporium).

T1 – Key application timing to protect the canopy during the plants' main burst of growth.

T2 – To ensure the crop is healthy at harvest, protecting the grain fill and green leaf areas, vital for maintaining grain quality.

CORE PROGRAMME

T1 – Kayak + prothioconazole GS30 (will control a broad spectrum of diseases).

T2 – Amistar Opti + prothioconazole (protection against foliar disease and control of biotic and abiotic spotting).

Agronomic information

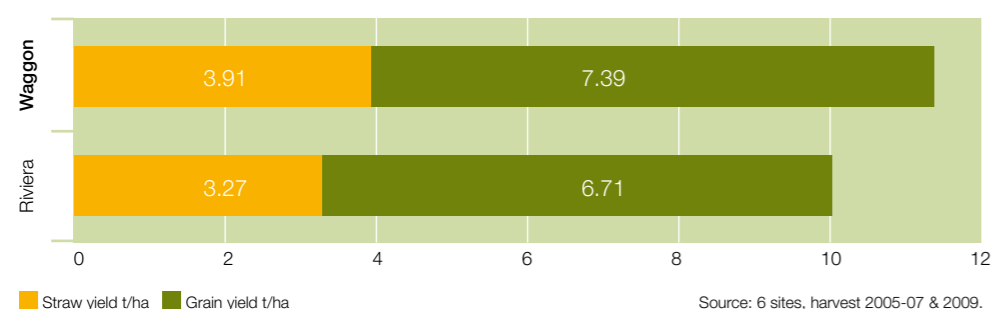
Waggon is early maturing with excellent resistance to both lodging and brackling.

Variety	Resistance to lodging	Straw height (cm)	Ripening (+/- Optic, -ve=earlier)	Resistance to brackling
Waggon	8	75	-1	8

Source: HGCA Recommended List 2010

Straw volume

Waggon's extra biomass and number of complete tillers has been shown to produce high straw yields even with a relatively short straw length.



This high straw yield coupled with extremely high grain yield and an excellent agronomic package makes for the complete feed barley.

Growth habit

Early spring: Semi prostrate

Tillering ability: Medium

Maturity: Early

Drilling dates

Suitability for early drilling: Good

Suitability for late drilling (April): Acceptable

Optimum drilling date: January to February (England), February to March (Scotland).

Recommended sowing rates

Seed rates are dependent on soil conditions, rotation and 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 suggested number of seeds per square metre that should be planted under good conditions.

	Dec/Jan	February	March	April
ENGLAND	350	350	375	400
SCOTLAND	N/A	375	400	425

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

Nitrogen application

High yielding feed spring barley varieties require a high nutrient supply.

Syngenta Seeds nitrogen input trials have shown the following application to be most advantageous to Waggon's yield, grain quality and plant height:

- Split dose of N ~ 50% at GS11/12 and 50% at GS21/22

In most situations the recommended amount of N for Waggon would be 135-150 kg/ha.

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

Normally not required, however Syngenta Seeds advises their use on lush crops or very fertile sites. In these cases use low rate Moddus (0.1 – 0.2 lt/ha) at GS 29-30 to stabilise tillers and promote root development.

Grain quality

Waggon is a high yielding feed barley with excellent grain size.

Specific weight: 67.1 kg/hl*

Sieving % through 2.25mm: 1% †

Sieving % through 2.5mm: 4% †

*HGCA Recommended List 2010

†Source: Syngenta Seeds 2-year data

Harvesting

Normal harvest priority – Waggon has excellent resistance to ear loss, but it is always advisable to harvest the crop in the best condition as soon as moisture is correct.



Waggon Feed Barley. Swear by it for exceptional grain yields and huge quantities of straw.

- Very high yielding spring feed barley
- Huge straw yields
- Excellent resistance to brackling and lodging
- Consistent performance, whatever the location or soil type



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Syngenta Seeds Limited, CPC4, Capital Park, Fulbourn, Cambridge CB21 5XE
Tel: +44 (0) 1223 883400 Fax: +44 (0) 1223 882238 Email: cereal.enquiries@syngenta.com Website: www.newfarmcrops.co.uk
Source: HGCA Recommended List 2010/11. The full database can be consulted at www.hgca.com

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

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Syngenta Seeds Limited, CPC4, Capital Park, Fulbourn, Cambridge CB21 5XE
Tel: +44 (0) 1223 883400 Fax: +44 (0) 1223 882238 Email: cereal.enquiries@syngenta.com
Website: www.newfarmcrops.co.uk