



Waggon

Spring Feed Barley

Parentage: NFC 499-69 x Vortex
Status: HGCA Recommended List 2012

Exceptional grain & straw yields

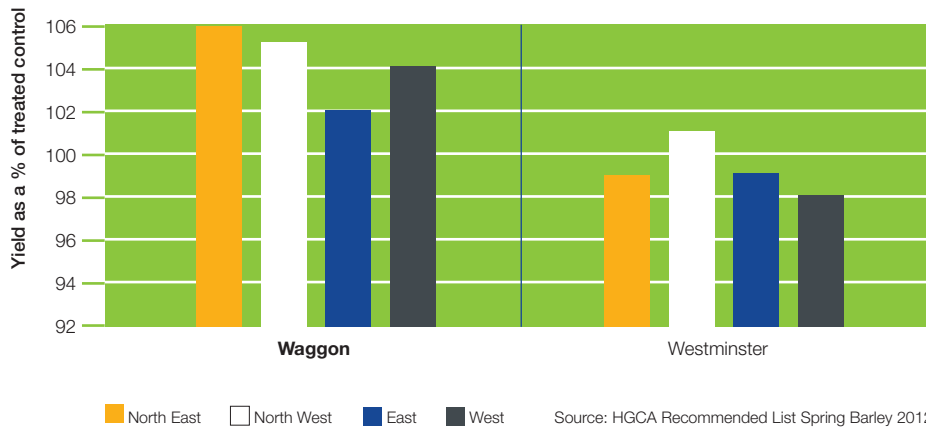
Yield potential

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 % (7.3 t/ha)	UK untreated yield %
Waggon	104	92
Westminster	99	90

Source: HGCA Recommended List Spring Barley 2012

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



Syngenta is one of the world's leading companies with more than 25,000 employees in over 90 countries dedicated to our purpose: Bringing plant potential to life.

Disease resistance

Variety	Mildew	Yellow Rust	Brown Rust	<i>Rhynchosporium</i>
Waggon	9	6	6	3

Source: HGCA Recommended List Spring Barley 2012

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.

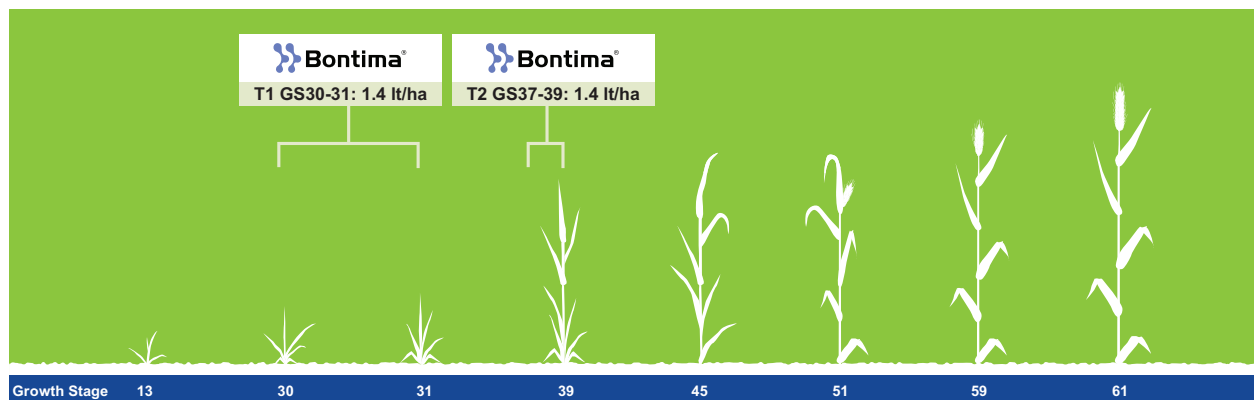
- T0 - Needed in extreme disease pressure situations (especially *Rhynchosporium*).
- T1 - The use of BONTIMA at T1 will provide clean, stress free lower green leaves to build yield potential.
- T2 - BONTIMA at T2 gives outstanding protection against disease for green leaf retention, securing yield potential and increasing quality by driving grain size and grain fill.

CORE PROGRAMME

T1 – BONTIMA 1.4 lt/ha

T2 – BONTIMA 1.4 lt/ha

Barley fungicide application timings



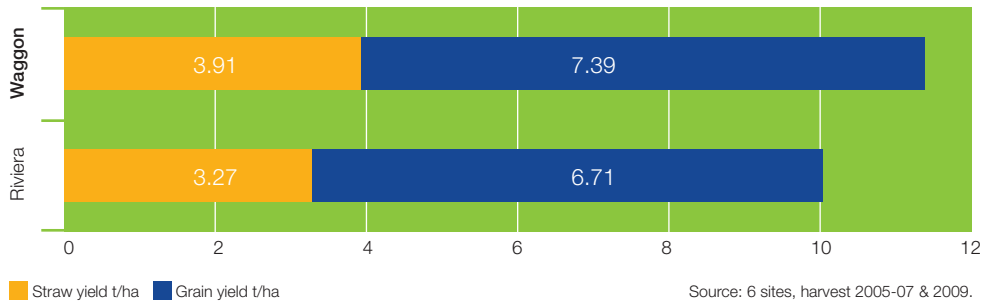
Agronomic information

Variety	Straw length (cm)	Brackling resistance	Lodging resistance	Ripening (+/-Optic, -ve=earlier)
Waggon	73	8	8	-1

Source: HGCA Recommended List Spring Barley 2012

Straw volume

Waggon's extra biomass and number of 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 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. These figures should always be used in conjunction with the thousand grain weight of the seed.

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

Nitrogen application

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

Syngenta 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 or restrictions.

PGRs

Not normally required, however Syngenta advises their use on lush crops or very fertile sites. In these cases use low rate MODDUS (0.1-0.2 lt/ha) at GS29-30 to stabilise tillers and promote root development.

Grain quality

Specific Weight: 67.4 kg/hl*

*Source: HGCA Recommended List 2012

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.

Disclaimer

The information given in this document is for general guidance only. Whilst every care has been taken to ensure it is accurate, it is, out of necessity, of a general nature and variation in growing environment or climate can render it inaccurate. Syngenta Ltd cannot accept any liability arising out of or in connection with the use of this information. Crop protection products should be used in conjunction with manufacturers' recommendations.

BONTIMA and MODDUS are Registered Trademarks of a Syngenta Group Company. BONTIMA (MAPP 14899) contains isopyrazam and cyprodinil. MODDUS (MAPP 15151) contains trinexapac-ethyl. HGCA Recommended List can be consulted at www.hgca.com. **Use plant protection products safely. Always read the label and product information before use.** For further product information including warning phrases and symbols refer to www.syngenta-crop.co.uk Syngenta AG 2011.



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