

Group 1, Bread and Export

KWS

Quartz X Hereford

KWS Zyatt



Fungicide-treated grain yield (% treated control)

United Kingdom (11.0 t/ha)	102
East region (10.9 t/ha)	102
West region (11.3 t/ha)	103
North region (10.7 t/ha)	100

Main market options

UK breadmaking	Y
ukp bread wheat for export	Y

Grain quality

Endosperm texture	Hard
Protein content (%)	11.9
Protein content (%) - Milling spec	12.9
Hagberg Falling Number	274
Specific weight (kg/hl)	78.5
Chopin alveograph W	191
Chopin alveograph P/L	0.6

Untreated grain yield (% treated control)

United Kingdom (11.0 t/ha)	89
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Agronomic features

Resistance to lodging without PGR (1-9)	7
Resistance to lodging with PGR (1-9)	8
Height without PGR (cm)	83
Ripening (days +/- JB Diego, -ve = earlier)	0
Resistance to sprouting (1-9)	[5]

Disease resistance

Mildew (1-9)	7
Yellow rust (1-9)	7
Brown rust (1-9)	6
Septoria nodorum (1-9)	[6]
Septoria tritici (1-9)	6.2
Eyespot (1-9)	7@
Fusarium ear blight (1-9)	[6]
Orange wheat blossom midge	-

Rotational position

First cereal (11.4 t/ha)	101
Second and more (9.8 t/ha)	103

Sowing date (most trials were sown in October)

Early sown (before 15th Sept) (11.1 t/ha)	-
Late sown (mid-Nov to end-Jan) (10.6 t/ha)	[98]

Soil type (about 50% of trials are on medium soils)

Light soils (10.7 t/ha)	101
Heavy soils (11.4 t/ha)	102

Agronomic features

Latest safe sowing date #	[Mid Feb]
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Variety Positioning

- Joint highest yielding Group 1 wheat alongside Skyfall in Agrii's trials and it has taken a significant acreage in its first year. Good baking quality with excellent physical grain characteristics and a high Hagberg Falling Number. Fully approved for both domestic and export markets as a *ukp* wheat. With good agronomic characteristics it may go the same way as Crusoe and Skyfall by not limiting itself to just the traditional milling market.
- Suitable for most regions of the UK but it is still being evaluated for north of the border. It performs across all soil types with excellent performance on lighter soils. It builds protein at a similar rate to Skyfall so, in order to limit protein dilution, it is probably best grown on lower potential sites or as a second wheat. Equally it builds protein at a faster rate than both KWS Siskin and KWS Lili so it could be used on higher potential sites to target a lower grade domestic milling or export specification.
- Best grown in the main drilling window. It can be drilled up until the middle of February and has a very good agronomic package with moderate height, stiff straw and medium maturity. Stow Longa trials show it to be reasonably competitive against black-grass.
- A good all round disease package with decent scores that are reasonably robust. However, both its yellow and brown rust resistance are lower than its official ratings suggest. It has produced very good untreated yields in both Agrii and official trials and it has also shown good second wheat performance that can be partly attributed to its Pch1 eyespot resistance.
- It does not have Orange Wheat Blossom Midge resistance.

Data source: www.cereals.ahdb.org.uk/

Agrii's ratings =()