

2011/2012
Chilton
Winter wheat



Innovation for
your growth



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Chilton is a very high yielding NABIM Group 2 winter wheat.

Chilton is in recommended list trials this autumn for potential recommendation for 2012/13.

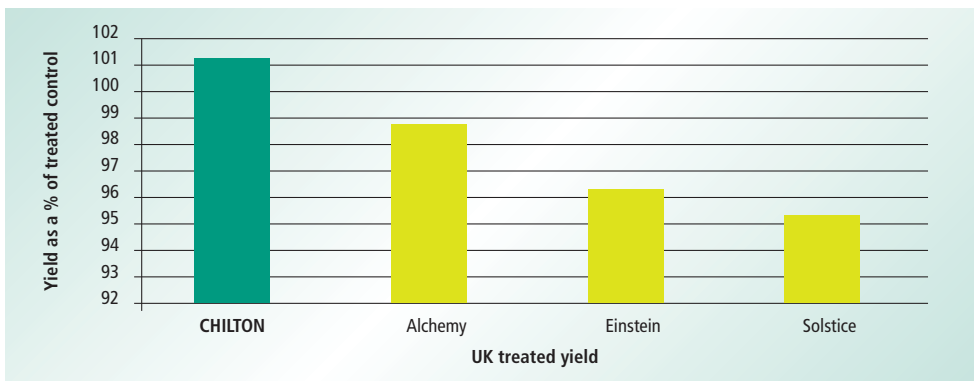
Chilton has good bread-making potential, good resistance to lodging and a reliable disease package with outstanding resistance to eyespot and yellow rust. It also has an excellent Specific Weight and Hagberg Falling Number.

Chilton has been classified as a ukp bread wheat making it suitable for export.

The P/L score of approx. 200 and the W score of approx. 0.5 are well within the min/max scores required for export.

Parentage: Solstice x Option

Status: Recommended List Trials



Chilton has shown a high yield potential in National List Trials, performing at least 5% higher than Einstein in both years of testing, as well as having an untreated mean which is 4% higher. The 4 year data indicates that Chilton will be 1% higher yielding than Panorama.

In NL2 last year, Chilton produced the highest tonnes/ha in England at Elsoms, Spalding. It was only beaten by Oakley at the East Lothian Site. This demonstrates its potential to produce very high yields of very marketable grain.

Grain Quality

Variety	Endosperm Texture	Protein Content	Hagberg Falling Number	Specific Weight
CHILTON	Hard	11.9	270	78.5
Einstein	Hard	12.3	263	77.6

Chilton is a hard textured bread-making wheat with a high specific weight and good Hagberg Falling Number. It produces a loaf of bread of a “high standard” with a strong, resilient crumb structure (Campden information).

Disease Resistance

	CHILTON	Einstein
Eyespot	9	6
Septoria tritici	5	5
Brown Rust	5	5
Yellow Rust	7	5
Mildew	5	6

Chilton has a good overall disease resistance package. It has an excellent score for Eyespot which is better than all listed varieties and candidates – this resistance is not based on the Rendezvous resistance gene therefore offering a novel type of eyespot resistance.

Straw Characteristics

Chilton has a strong, stiff stem which has shown very limited lodging in trials. It has demonstrated less lodging than Einstein.

Chilton also seems to perform extremely well as a second wheat (Chilton 102%, Einstein 99% and Solstice 98%) this could be partly attributed to its high Eyespot resistance. Chilton is not yet National Listed, but this is expected in September 2011.

Wheat Breeding at DSV

The winter wheat breeding programme of DSV is designed to produce varieties that span the end-market use. With a number of scientific tools at our disposal, we are able to select lines which provide a high bread-making quality with a good disease resistance package without sacrificing yield. Additionally, we aim to produce varieties for feed with a top yield and resistance to major wheat diseases.



DSV Germany began crossing for the UK market in 1991 with around 30 crosses. The number of crosses and plots grew, with material being sent to the UK from Germany from the population stage. Two laboratories have been set-up to allow marker analysis and quality predictions to be applied to breeding lines. Varieties listed in the UK include Award, Samurai, Celebration and Rainbow. In 2011, a programme dedicated to UK wheat breeding was started at Waddington with more emphasis on UK crossing and seed production. The target of the breeding programme is to produce group 1 and 2 varieties for British farmers. Our newest line, currently in recommended list candidate trials, is Chilton, a group 2 variety.

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Data source: National List Trials Data

Note: Whilst every effort has been made to ensure that the information in this variety guide is accurate and complete, some of the information is supplied to us by third parties and we are not able to check the accuracy and completeness of that information. No guarantee is given that the listed information represents all aspects of agricultural practice. We do not accept any liability arising from any inaccuracy in any of the information provided in this guide.