



## Simply the best combination of yield and straw stiffness

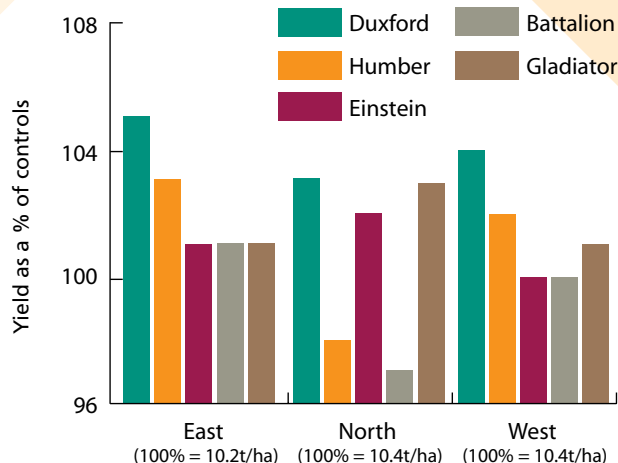
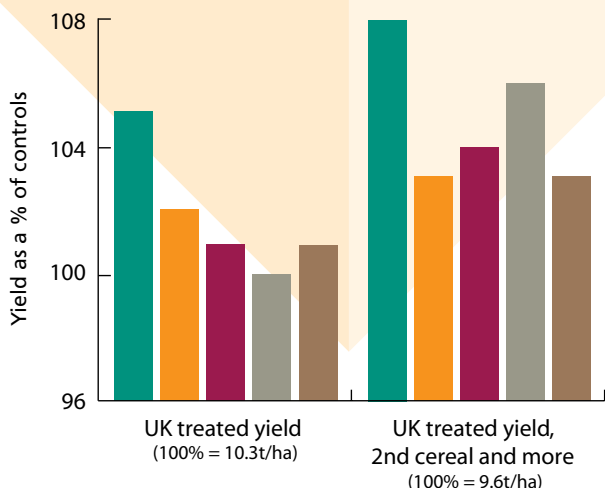
Parentage: Solstice x Scorpion 25

Status: HGCA Recommended List 2009

- Hard milling group 4 variety
- High UK treated yield ~ 105%
- Unbeatable second wheat yields
- Very stiff straw, giving excellent standing ability
- Good disease resistance profile



### Yield Potential



Source: HGCA Recommended List 2009/10

Duxford has excellent yield potential across all regions and soil types.

Variety	Light soil (100% = 9.5t/ha)	Heavy soil (100% = 10.7t/ha)
<b>Duxford</b>	<b>103%</b>	<b>104%</b>
Humber	102%	103%
Einstein	102%	101%
Battalion	100%	102%
Gladiator	103%	101%

Source: HGCA Recommended List 2009/10

### Disease Resistance Profile

Variety	<i>Septoria tritici</i>	Mildew	Yellow Rust	Brown Rust	Eyespot	Fusarium ear blight
<b>Duxford</b>	<b>5</b>	<b>5</b>	<b>8</b>	<b>4</b>	<b>6</b>	<b>(6)</b>
Humber	5	5	9	6	7	5
Einstein	5	6	7	5	6	6
Battalion	6	8	8	8	7	5
Gladiator	5	7	9	7	5	5

Source: HGCA Recommended List 2009/10, ( ) denotes limited data

### Growth Habit

- **Very stiff straw provides excellent standing ability ~ a maximum 9 rating for resistance to lodging both with and without PGR**
- Duxford is a fast-developing variety
- Suitable for drilling mid-September onwards for England and the end of September for northern England and Scotland



Variety	Ripening days +/- Claire	Resistance to lodging without PGR	Resistance to lodging with PGR	Straw height (cm)
Duxford	+2	9	9	93
Humber	0	9	9	83
Einstein	0	6	7	88
Battalion	+1	7	8	88
Gladiator	0	6	7	84

Source: HGCA Recommended List 2009/10

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

### Grain Quality

- Duxford has excellent grain quality
- Specific weight ~ 75.7kg/hl

Source: HGCA Recommended List 2009/10

Duxford also has gristing potential and when grown for quality can meet full milling specification (nitrogen input would need to be adjusted to ensure protein levels). Always check the exact specifications required by end users to ensure that you have a market for your crop.

Variety	Hagberg falling number (seconds)	Protein content (%)
Duxford	290	12.7

Source: Syngenta Seeds' trials harvest 2006-2008

### Agronomy

Always consult your agronomist and adapt to local conditions.

### Seed Rate

Seed rates are dependent on soil conditions, rotation and time of drilling. The more difficult the environment, the higher the seed rate needs to be to compensate for potential plant loss. Suggested seeds per square metre are shown below, these should always be used in conjunction with TGW.

- Mid-September to mid-October: 220-275 seeds/m<sup>2</sup>
- Mid-October onwards: 275-300 seeds/m<sup>2</sup>

### Core Fungicide Programme

As with all high yielding varieties, a robust fungicide programme is likely to result in an increase in yield. With Duxford the key diseases to control are *Septoria tritici* and brown rust.

T0 – Cherokee 0.75-1.0lt/ha

T1 – Cherokee 1.5lt/ha (Unix at 0.5kg/ha if high risk of mildew / eyespot)

T2 – Amistar Opti 1.0lt/ha + Opus 0.7lt/ha

T3 – Amistar 0.3lt/ha + Proline 0.3lt/ha

### Nitrogen Application

- Standard nitrogen input programme for a feed variety, typically not exceeding 180kgs N/ha
- 20% early March (GS28-30)
- 50% GS32
- 30% GS34-37

These figures are for guidance purposes only. Although Duxford is a Group 4 variety it does have gristing potential, therefore N should be increased appropriately if growing for quality. 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

- Duxford is a very stiff-strawed variety with excellent resistance to lodging
- As an insurance measure chlormequat 1.5lt/ha at GS30-31 can be applied
- In higher risk situations, adding Moddus will increase root structure and aid plant shortening, apply chlormequat 1.25lt/ha + Moddus 0.1lt/ha at GS30-31
- In low plant populations, Moddus applied at GS29-30 will help root stimulation and promote tiller numbers

### Storage Management

nabim advises that Duxford tends to have strong gluten quality, so check with your merchant to see if it is worthwhile keeping Duxford separate in store. Detailed wheat storage and marketing information can be found in the nabim publication 'Getting it right' and on the nabim website: [www.nabim.org/uk](http://www.nabim.org/uk)

Source: Data from HGCA Recommended Lists, full database at <http://www.hgca.com>

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