

UNBEATABLE
SECOND WHEAT
YIELD



Duxford

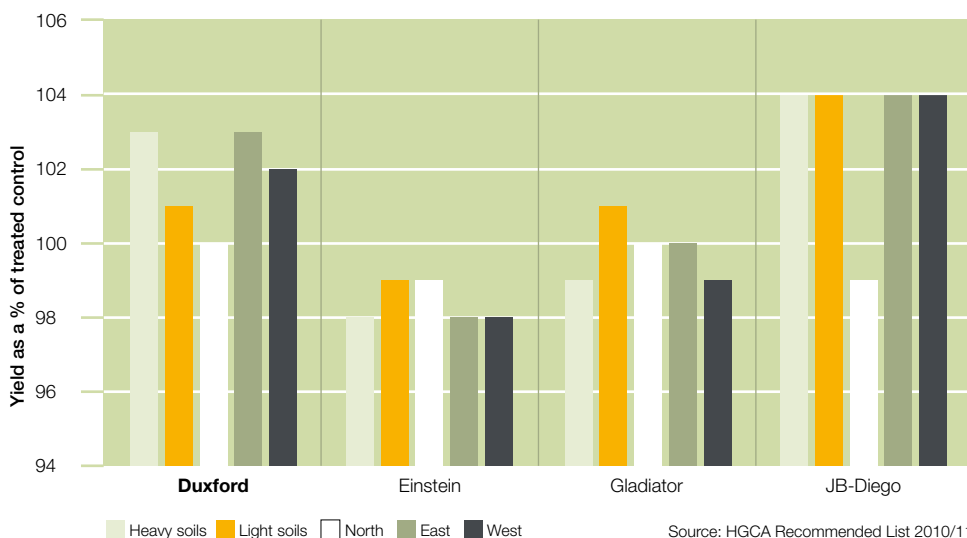
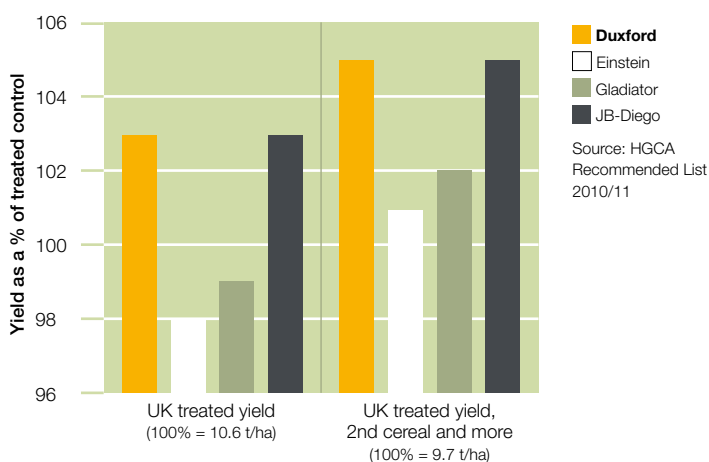
Winter Wheat

Parentage: Solstice x Scorpion 25
Status: HGCA Recommended List 2010/11

An exceptional combination of yield and straw stiffness

Yield potential

Duxford is a high yielding Group 4 hard winter wheat and has produced high and consistent yields across all regions, soil types and rotational positions.



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.

APRIL 2010

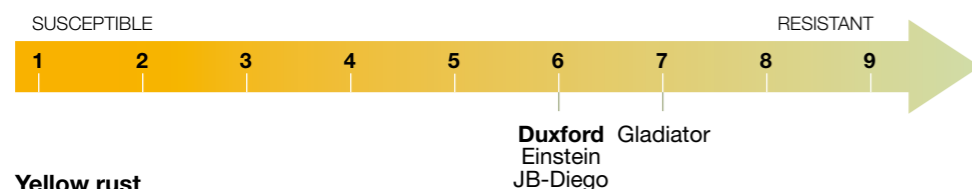
TM

Disease resistance

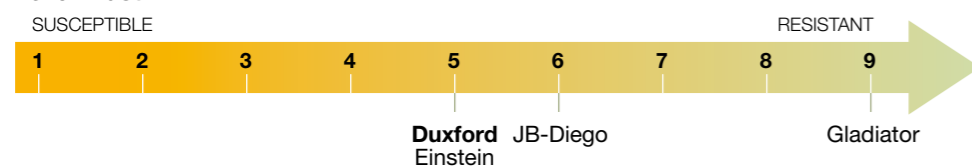
Duxford has a good disease resistance profile.

Disease resistance ratings

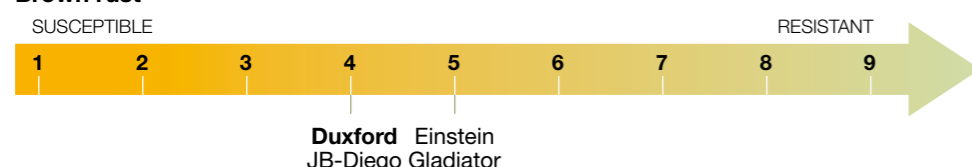
Mildew



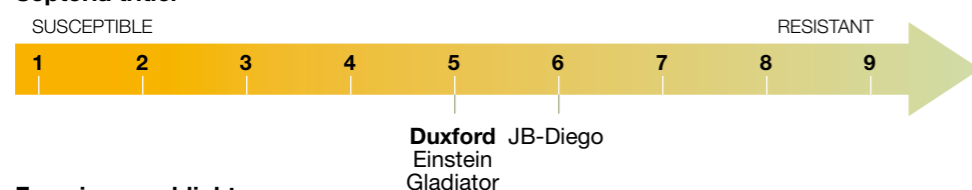
Yellow rust



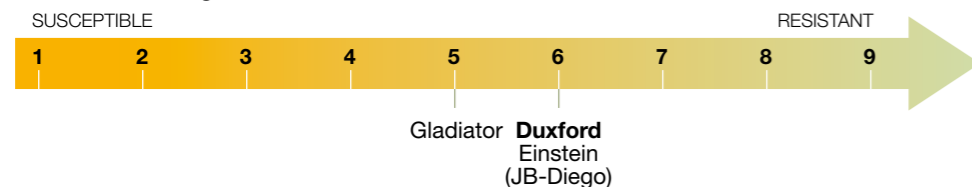
Brown rust



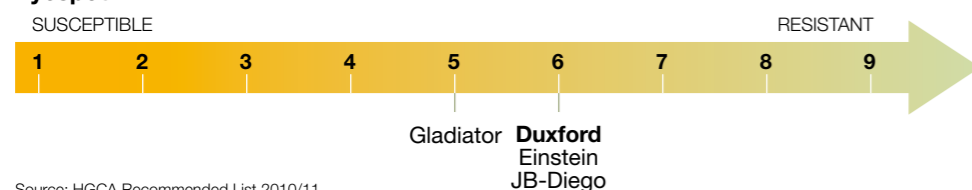
Septoria tritici



Fusarium ear blight



Eyespot



Source: HGCA Recommended List 2010/11
() denotes limited data

Fungicide use

Always consult your agronomist and adapt programmes to local conditions.

Many winter wheat varieties face an added threat from a new yellow rust race this season. Whilst Duxford is less susceptible to this new race than some varieties due to its parentage, this threat must still be taken into account along with Septoria tritici and brown rust. Use of a T0 fungicide has taken on increased importance.

T0 – Cherokee 0.75-1.0 lt/ha

T1 – Cherokee 1.75 lt/ha (Unix 0.5 kg/ha if high risk of mildew / eyespot)

T2 – Amistar Opti 1.0 lt/ha + Opus 0.75 lt/ha

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

Agronomic information

Duxford has the maximum 9 rating for resistance to lodging (with and without a PGR).

Variety	Resistance to lodging without PGR	Resistance to lodging with PGR	Ripening (+/- Solstice)	Straw height (cm)	Resistance to sprouting
Duxford	9	9	+1	94	7
Einstein	6	7	0	89	6
Gladiator	6	7	-1	85	6
JB-Diego	7	8	0	92	7

Source: HGCA Recommended List 2010/11

Growth habit

- Duxford is a medium to high-tillering variety
- Duxford is a fast-developing variety
- Suitable for drilling mid-September onwards for England and the end of September for northern England and Scotland

Recommended sowing rates

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/m²
- Mid-October onwards: 275-300 seeds/m²

Nitrogen application

Standard nitrogen input programme for a feed variety, typically not exceeding 180 kgs N/ha.

- 40% middle of March (GS25-29)
- 60% April (GS32)

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 (for example, an extra 40-60 kg/ha at GS37-39). 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
- In low plant populations, Moddus applied at GS29-30 will help root stimulation and promote tiller numbers
- As an insurance measure apply chlormequat 1.25 lt/ha + Moddus 0.1 lt/ha at GS30-31

Grain quality

Duxford has excellent grain quality

Specific weight: 76.4 kg/hl

Source: HGCA Recommended List 2010/11

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 (secs)	Protein content (%)
Duxford	307	12.1

Source: Syngenta Seeds' trials harvest 2006-2009

Storage management

nabim advises that of the Hard Group 4 winter wheat varieties, Duxford has a stronger gluten quality and is worthy of keeping separate. 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

Source (unless stated otherwise): HGCA Recommended List 2010/11 – the full database can be consulted at www.hgca.com
On the 1-9 scales high figures indicate that a variety shows the character to a high degree (e.g. high resistance).

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 Seeds 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. AMISTAR®, AMISTAR OPTI®, CHEROKEE® and MODDUS® are Registered Trademarks of a Syngenta Group Company. AMISTAR® (MAPP 10443) contains azoxystrobin. AMISTAR OPTI® (MAPP 12515) contains azoxystrobin and chlorothalonil. CHEROKEE® (MAPP 13251) contains cyproconazole, propiconazole and chlorothalonil. MODDUS® (MAPP 08801) contains trinexapac-ethyl. All other brand names used are trademarks of other manufacturers in which proprietary rights may exist. **Always read the label. Use pesticides safely.** Syngenta AG 2010.

Syngenta Crop Protection UK Limited, Syngenta Seeds Ltd, and their affiliates will use this information to provide the services requested by you and to communicate product information, services and offers that we believe are relevant to your business. We use service partners to send these communications on our behalf. WE DO NOT, HOWEVER, PASS INFORMATION TO THIRD PARTIES FOR DIRECT MARKETING PURPOSES. If you do not want to receive these communications from us, write to the database manager at Syngenta.



syngenta
SEEDS

Syngenta Seeds Limited, CPC4, Capital Park, Fulbourn, Cambridge CB21 5XE
Tel: +44 (0) 1223 883525 Fax: +44 (0) 1223 882238 Email: cereal.enquiries@syngenta.com
Website: www.newfarmcrops.co.uk
Registered in England No. 345486