



Volume

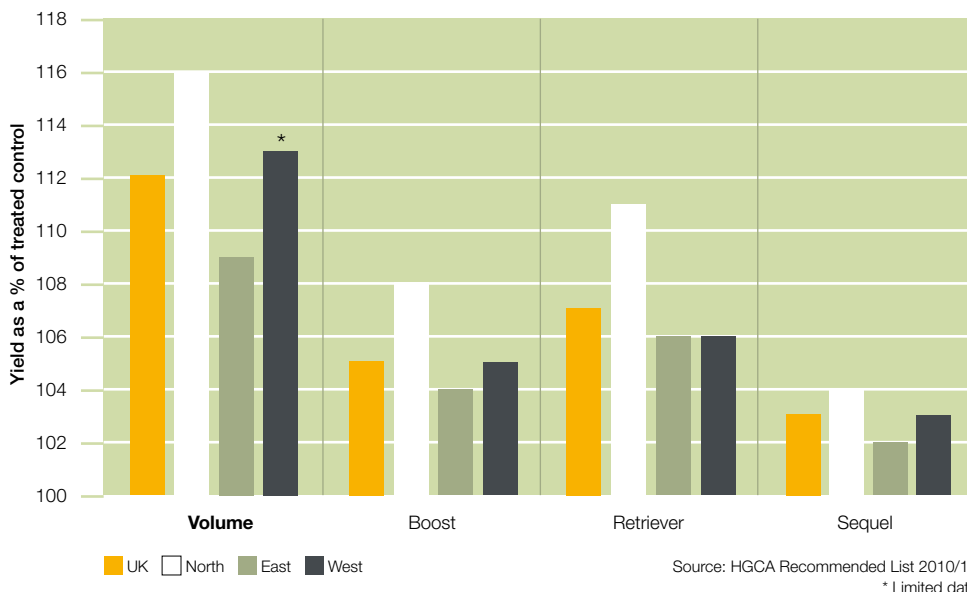
Hybrid Winter Barley

Parentage: F1 hybrid
Status: HGCA Recommended List 2010/11

Very high yielding hybrid six-row feed barley

Yield potential

Volume has the highest UK treated yield of any winter barley on the HGCA Recommended List 2010/11. It performs particularly well in the HGCA North region, with a treated yield of 116% of control.



Grain quality

Volume offers excellent grain quality with good specific weight and low screenings.

Variety	Specific weight (kg/hl)	Screenings (% through 2.25mm)	Screenings (% through 2.5mm)
Volume	68.9	3.6	15.6
Boost	68.8	1.9	7.9
Retriever	66.6	4.8	16.8
Sequel	69.5	3.7	16.2

Source: HGCA Recommended List 2010/11



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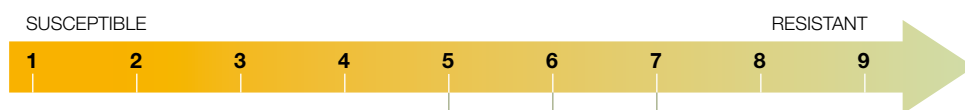
APRIL 2010

Disease resistance

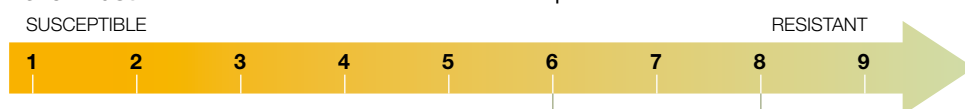
Volume has a good all-round disease resistance profile, with excellent resistance to Rhynchosporium and net blotch, plus barley yellow mosaic virus resistance.

Disease resistance ratings

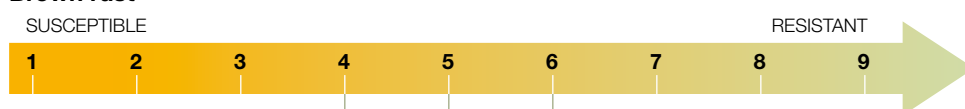
Mildew



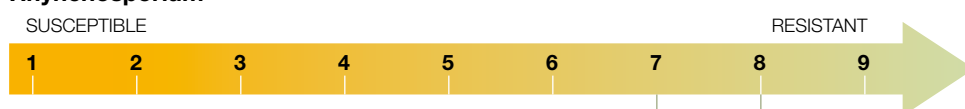
Yellow rust



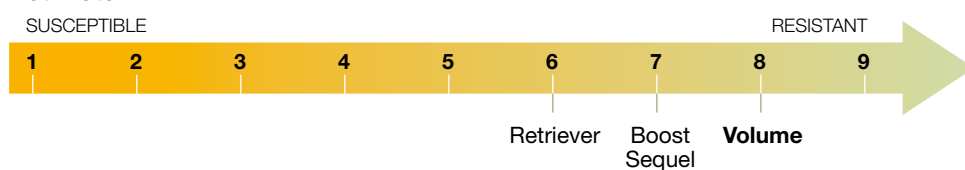
Brown rust



Rhynchosporium



Net Blotch



Source: HGCA Recommended List 2010/11

Fungicide use

Always consult your agronomist and adapt programmes to local conditions.

CORE PROGRAMME

T0 – Morpholine (only needed in high risk situations)

T1 – Bontima 1.6 lt/ha

T2 – Bontima 1.6 lt/ha



Agronomic information

Volume hybrid winter barley is straightforward to grow.

Variety	Maturity (+/- Pearl)	Resistance to lodging	Straw height (cm)
Volume	-1	6	102
Boost	-3	7	100
Retriever	-1	6	84
Sequel	-2	6	104

Source: HGCA Recommended List 2010/11

Growth habit

Early spring: Medium-prostrate

Tillering ability: High

Maturity: Early

Drilling dates

Suitability for early drilling: Good

Suitability for late drilling (Scotland, end of October - England, end of November): Good

Optimum drilling date: Last 2 weeks of September

Recommended sowing rates

Hybrid barley is drilled at lower seed rates than conventional varieties to maximise the potential of hybrid vigour.

Volume should be sown at 200 seeds per square metre. If drilling in early October (Scotland) or mid-October (England), consider increasing the seed rate to 230 seeds per square metre.

These figures should always be used in conjunction with the thousand grain weight of the seed.

Nitrogen application

Trials have shown that an early application of nitrogen will increase yield levels. Volume will need the same total dose of nitrogen as a conventional feed barley variety.

In normal situations application of the total dose is recommended as follows:

- 20% middle to end of February (GS25)
- 50% middle to end of March (GS30)
- 30% middle to end of April (GS32)

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 / restrictions.

PGRs

Volume has tall straw with a 6 rating for lodging resistance. Volume's high yield potential over conventional varieties means a PGR programme based around the following:

GS30-31: Moddus 0.2 lt/ha + chlormequat 1.25 lt/ha

GS37-39: Ethephon + mepiquat, adjust rate according to lodging risk

On medium to heavy land and / or on very fertile sites:

GS29-30: Moddus 0.1 lt/ha + chlormequat 1.0 lt/ha

GS30-32: Moddus 0.1 lt/ha + chlormequat 1.0 lt/ha

GS37-39: Ethephon + mepiquat, adjust rate according to lodging risk

Source: 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).

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