



The highest yielding 6-row hybrid winter barley with excellent grain characteristics

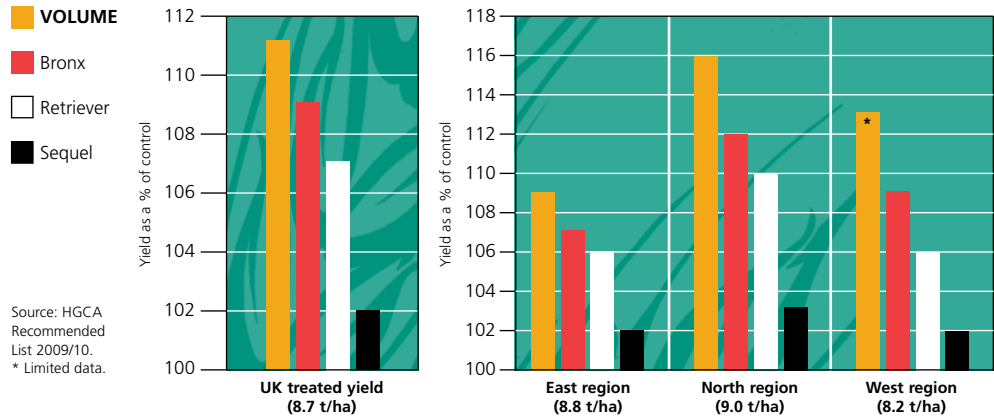
Parentage: F1 hybrid

Status: HGCA Recommended List 2009

- Outstanding yields + 6% over leading 6-row varieties
- UK treated yield ~ 111%
- Exceptionally high yields across all regions and situations (116% in the north)
- Early maturity
- Excellent grain characteristics
- Good disease resistance profile

Yield Potential

Yield Performance



Disease Resistance Profile

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

Variety	Mildew	Yellow Rust	Brown Rust	Rhynchosporium	Net Blotch	BaYMV
VOLUME	5	6	5	8	8	R
Bronx	7	7	4	8	8	R
Retriever	5	8	6	8	7	R
Sequel	5	7	5	8	7	R

Source: HGCA winter Barley Recommended List 2009/10.

Agronomic Information

Variety	Resistance to lodging	Straw Height cm	Maturity (+/- Pearl)
VOLUME	6	104	-2
Bronx	5	105	-2
Retriever	7	85	-1
Sequel	6	106	-2

Source: HGCA winter Barley Recommended List 2009/10.

- Volume has a medium prostate growth habit
- Medium to high tillering ability
- Ideal sowing times: Scotland: Early September to mid-October
England: Mid-September to early November
- Suitable for early drilling





Grain Quality

Volume has a high specific weight and big bold grain

Variety	Specific weight (kg/hl)	Screenings (% through 2.25mm)	Screenings (% through 2.5mm)
VOLUME	68.5	4.0	16.1
Bronx	66.9	6.6	28.9
Retriever	66.1	5.3	18.0
Sequel	69.2	4.7	18.2

Source: HGCA Winter Barley Recommended List 2009/10.

Agronomy Advice

Always consult your agronomist and adapt programmes to local conditions.

Seed Rate

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

- September to mid-October ~ 200 seeds/m²
- Mid-October onwards ~ 220 seeds/m²

Core Fungicide Programme

T0 ~ (Only needed in high risk situations) Kayak +/- morpholine

T1 ~ Kayak 1.0lt/ha + triazole or strobilurin

T2 ~ Amistar Opti 1.0lt/ha + triazole

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 moderate standing ability
- Volume's high yield potential over conventional varieties means a PGR programme based around the following:

GS 30-31: Moddus 0.2lt/ha + chlormequat 1.25lt/ha

GS 37-39: Moddus or ethephon 0.3lt/ha + mepiquat chloride 1.0lt/ha

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

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

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

GS37: Mepiquat chloride 1.0lt/ha

Source: HGCA Recommended List 2009/10 - the full database can be consulted at www.hgca.com

Disclaimer

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