

HUSBANDRY GUIDELINES

● SEED RATES

Troon generally has a large grain, with a bold sample and high 1000 grain weight. It also has a tillering pattern typical of most modern spring barley varieties. Seed rates should therefore take 1000 grain weight into account, but should not differ significantly from local practice for other spring barley varieties.

● NITROGEN

Rates should be adjusted taking in account local grain merchants requirements for grain nitrogen content, and with the knowledge that Troon will accumulate grain nitrogen slightly more readily than Optic, at a similar level to Cellar and Chalice. Growers who have experienced a history of high nitrogen levels should reduce rates accordingly if aiming for low nitrogen samples.

● GROWTH REGULATOR

Growth regulators are not normally necessary and should only be applied where high nitrogen levels are being considered or on high yielding, fertile sites.

● FUNGICIDES

Troon has good all round disease resistance but growers should pay particular attention to controlling *Rhynchosporium* and brown rust.

● SOWING DATE

Spring barley sown early (February to mid March) is more likely to achieve low grain nitrogen, so Troon should be sown at the earliest opportunity.

● CHOICE OF SITE

The production of low nitrogen malting barley benefits from selecting soil types and/or rotational situations where residual nitrogen levels are lower. Where soil nitrogen levels are high Decanter may be a more suitable choice.

More comprehensive growers guidelines are available on request.

All data from 2006 HGCA Recommended List. The full HGCA Recommended List database can be consulted at <http://www.hgca.com>



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Limagrain

Troon
SPRING BARLEY



TECHNICAL AND MARKETING GUIDE

- High yielding spring malting barley
- Full IOB approval for distilling
- Very low level of screenings
- Good all round disease resistance
- Excellent straw characters

NICKERSON

SUMMARY

Troon is a spring malting barley with high yields, excellent straw characters and good all round disease resistance.

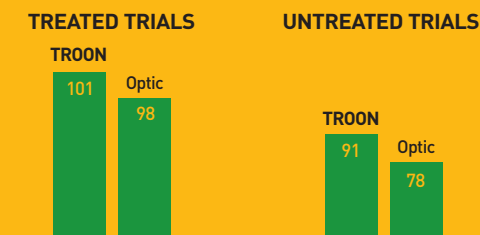
Troon has attracted interest not only from UK maltsters and distillers but also from overseas consumers.

Troon has the very significant benefit to the grower of good grain size and very low screenings, which is important to maximise return.

PEDIGREE

NSL 95-2949 x Extract

VERY HIGH YIELDING



REGIONAL TREATED TRIALS

	TROON	Optic
NORTH EAST	100	99
NORTH WEST	98	97
EAST	103	97
WEST	102	97

Troon produces high yields in all regions of the UK. In the east the yield performance is particularly impressive with yields 6% above Optic.

EXCELLENT STRAW CHARACTERS

	TROON	Optic
Resistance to lodging	8	8
Straw height (cm)	74	75
Resistance to brackling	7	5

Troon has excellent resistance to lodging with the added benefit of good resistance to brackling.

MEDIUM-EARLY MATURITY

	TROON	Optic
Earliness of ripening (days +/- Optic)	-1	0

Troon is ready to harvest one day earlier than Optic.

GOOD ALL ROUND DISEASE RESISTANCE

	TROON	Optic
Mildew	9	5
Yellow rust	8	8
Brown rust	5	6
<i>Rhynchosporium</i>	4	4

Troon has good all round disease resistance which is expressed in very high untreated yields.

VERY LOW SCREENINGS

	TROON	Optic
Sieving % through 2.25mm	2.0	3.0
Sieving % through 2.5mm	5.7	9.5
Specific weight (kg/hl)	69.4	70.2
% Nitrogen content	1.6	1.5

Troon produces a very attractive bold sample of good grain size, high specific weight and very low screenings. Grain nitrogen content is slightly above that of Optic.

GOOD MALTING QUALITY

	TROON	Optic
IOB malting approval for distilling	F	F
BCE guide to overseas malting	Y	Y
Hot water extract	314.8	313.1

F = Full IOB approval, Y = Suited to that market

Micro-malting tests indicate Troon has a higher malt extract than Optic and similar to Cellar. Troon is proving to be of significant interest to UK maltsters, distillers and also to overseas consumers.