



Status: Recommended List Candidate 2009
 Parentage: Quench x Waggon

Yield Potential

CROPTON was the highest yielding variety of all lines completing NL2 in 2007.

Variety	UK Treated yield (100% = 7.0t/ha)	UK Untreated yield (100% = 6.3t/ha)
CROPTON	107	110
NFC Tipple	103	104
Optic	96	91

Source: HGCA RL Candidates, harvest 2008. hgca.com/varieties

Disease Resistance

CROPTON has a very good resistance to mildew and has shown very high untreated yields confirming its excellent overall disease resistance.

Variety	Mildew	Brown Rust	Rhynchosporium
CROPTON	9	6	7
NFC Tipple	9	8	4
Optic	5	5	4

Source: HGCA RL Candidates, harvest 2008. hgca.com/varieties

Fungicide Use

CROPTON has a very good disease resistance profile, combining very good green leaf retention with good resistance to Ramularia. As such CROPTON could be considered a low input variety but would still benefit from a standard two spray program.

NB: Syngenta Seeds believe that at this stage of varietal development disease resistance ratings are not necessarily conclusive due to insufficient data being available.

- T0 - Needed only in extreme disease pressure situations.
- T1 - T1 is key for protecting the canopy during the plants main burst of growth.
- T2 - T2 application helps to protect the plant during grain fill and can ensure a healthy harvest. Strobilurins protect against foliar diseases and Chlorothalonil has demonstrated excellent control of biotic and abiotic spotting.

NFC advises:

T0 (>GS25): Not normally required

T1 (GS25/32): Kayak 0.5 lt/ha + Bravo 1.0 lt/ha. (If brown rust control is required or infection is anticipated then add Epoxiconazole at 0.25 – 0.5lt/ha)

T2 (GS39/51): Amistar Opti 1.25 lt/ha. (If *Rhynchosporium* risk is high then consider adding ½ rate triazole).

Agronomics & Grain Quality

Variety	% Lodging	% Brackling	Plant height cm	Specific weight kg/hl	% grain >2.5mm*
CROPTON	1	7	77	68.0	94
NFC Tipple	1	12	70	67.8	93

Source: HGCA RL Candidates, harvest 2008. hgca.com/varieties. *Data from Syngenta Seeds trials

CROPTON has medium straw length with good resistance to lodging and brackling.

CROPTON is a medium / early maturing variety and produces a big, bold grain sample. CROPTON could suit growers seeking a replacement for similar maturing varieties, for example Cellar.

Growth Habit

Early spring: Semi prostrate
Tillering ability: Medium
Maturity: Medium / Early

Drilling Information

Seed rates

Seed rates are dependent on soil conditions at the time of drilling: the more difficult the environment the higher the seed rate must be to compensate for potential plant loss. The table below shows the suggested number of seeds per square metre that should be planted under good conditions.

	Dec/January	February	March	April
England	325	325-350	350-375	375
Scotland	N/A	350-375	375-400	400

NB: The chart above should always be used in conjunction with the thousand-grain weight of the seed to calculate the sowing rate.

Drilling dates

Suitability for early drilling – Good
Suitability for late drilling (April) - Good

Optimum drilling date

England: Mid February to Mid March
Scotland: March to Early April

Nitrogen requirements

Grain nitrogen levels in CROPTON are typically 0.05% below Optic (Optic at 1.55% would put CROPTON at 1.50%).

Whilst difficult to advise on exact fertiliser rates, most growers know how much nitrogen to apply for Optic. For CROPTON use a similar level and timing of nitrogen fertiliser.

PGR's

CROPTON is a stiff-strawed variety so PGRs would not normally be required. However NFC advises the use of Moddus on lush crops or very fertile sites. Apply 0.1l/ha at GS 29-30 to stabilise tillers and promote root development.

Disclaimer

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