

**NEW**



# Propino

Spring Malting Barley

**Parentage:** Quench x NFC Tipple  
**Status:** HGCA Recommended List 2010

**The highest yielding spring malting barley**

## Yield potential

Propino is the highest yielding spring malting barley on the HGCA Recommended List 2010.

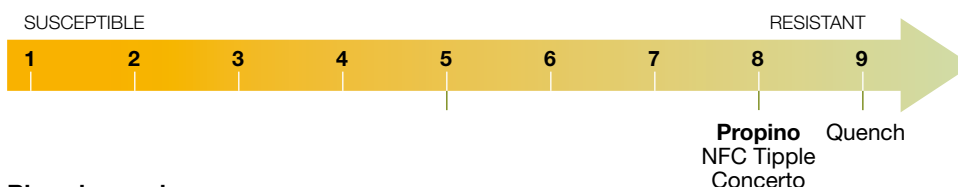
Variety	UK Treated Yield % (7.2 t/ha)	UK Untreated Yield %
<b>Propino</b>	<b>108</b>	<b>97</b>
Quench	107	94
NFC Tipple	103	91
Concerto	105	92

Source: HGCA Recommended List 2010

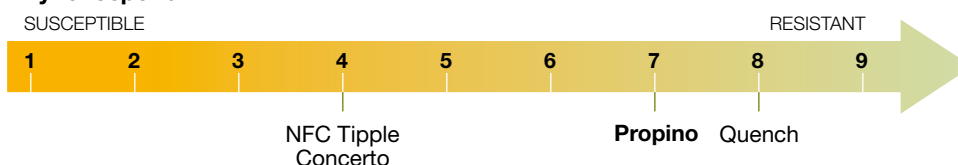
## Disease resistance

Propino has good resistance to foliar disease and has delivered very high untreated yields. Propino also combines good resistance to Ramularia with very good green leaf retention.

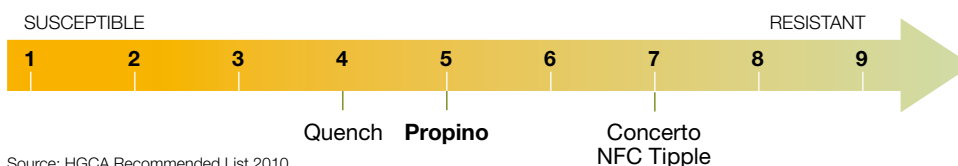
### Mildew



### Rhynchosporium



### Brown rust



Source: HGCA Recommended List 2010



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## Fungicide use

Always consult your agronomist and adapt programmes to local conditions.

T0 – Not normally required.

T1 – Key application timing to protect the canopy during the plants' main burst of growth.

T2 – To ensure the crop is healthy at harvest, protecting the grain fill and green leaf areas, vital for maintaining grain quality. Strobilurins protect against foliar diseases and chlorothalonil has demonstrated excellent control of biotic and abiotic spotting.

### CORE PROGRAMME

T1 – Kayak + half rate epoxiconazole.

T2 – Amistar Opti + half rate epoxiconazole.

## Agronomic information

Propino is similar in height to Optic (Optic straw height 77cm) and combines good lodging resistance with very good brackling resistance. It is an early-maturing variety.

Variety	Resistance to lodging	Straw height (cm)	Ripening (+/- Optic, -ve=earlier)	Resistance to brackling
Propino	7	78	-1	8
Quench	8	72	0	8
NFC Tipple	7	70	0	7
Concerto	7	79	0	7

Source: HGCA Recommended List 2010

## Growth habit

**Early spring:** Semi prostrate

**Tillering ability:** Medium-High

**Maturity:** Early

## Drilling dates

**Suitability for early drilling:** Good

**Suitability for late drilling (April):** Good

**Optimum drilling date:** March to early April (Scotland). Mid-February to Mid-March (England).

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

	Dec/Jan	February	March	April
ENGLAND	325	325	350-375	375
SCOTLAND	N/A	350	375-400	400

## Nitrogen application

Varieties have different optimum nitrogen rates, therefore balancing N inputs to end market, variety and season is key.

### Ensure you have checked levels with your contract and end market.

Grain nitrogen levels in Propino are typically mid-way between Optic and NFC Tipple.

In most situations, applying 25% of the total dose when tramlines become visible and the remaining 75% at GS15 will maintain yield potential whilst producing a desirable grain protein.

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

Propino is a stiff-strawed variety so PGRs are not normally required. However Syngenta Seeds advises the use of Moddus on lush crops or very fertile sites. Apply 0.1-0.2 lt/ha at GS29-30 to stabilise tillers and promote root development.

## Grain quality

Propino has big, bold grain, leading to fewer sieving losses.

**Specific weight:** 66.5 kg/hl

**Sieving % through 2.25mm:** 1.5%

**Sieving % through 2.5mm:** 4.5%

**Nitrogen content:** 1.55%

## Harvesting

**Top priority** – with all quality crops it is critical to harvest the crop in the best condition as soon as moisture is correct. As with all malting barleys, the variety should be kept separate to prevent contamination and to maintain the maximum premium from the end product.

## Storage management

Correct storage of malting barley is a priority to ensure harvest quality remains. Malting barley should be at a moisture of below 14.5% to minimise the risk of moulds and dried in such a way so there is no damage to germination.

Grain temperatures and moistures should be checked regularly to ensure quality is maintained and germination levels are kept at 98% plus.

Source: HGCA Recommended List 2010 – the full database can be consulted at [www.hgca.com](http://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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