



# Winsome

## Winter Malting Barley

Parentage: Flagon x NFC 7169-01  
Status: HGCA Recommended List 2010/11

## The highest yielding winter malting barley

### Yield potential

Winsome is the highest yielding winter barley with malting potential.

Variety	UK treated yield % (8.6 t/ha)	UK untreated yield %
<b>Winsome</b>	<b>100</b>	<b>82</b>
Flagon	99	83
Cassata	98	81
Pearl	96	79

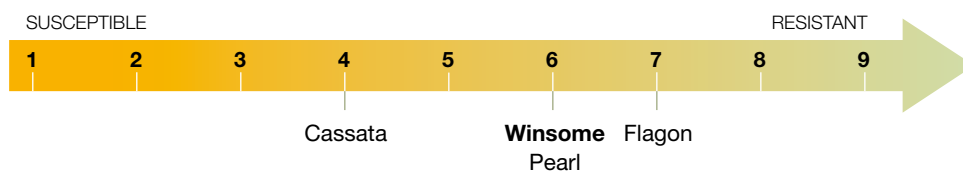
Source: HGCA Recommended List 2010/11

### Disease resistance

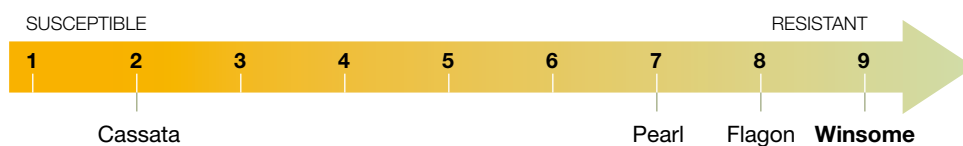
Winsome has an excellent all-round disease resistance profile. As with Flagon and Pearl, Winsome is not BaYMV resistant.

#### Disease resistance ratings

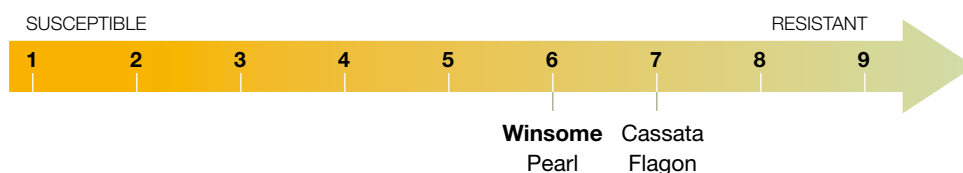
##### Mildew



##### Yellow rust



##### Brown rust

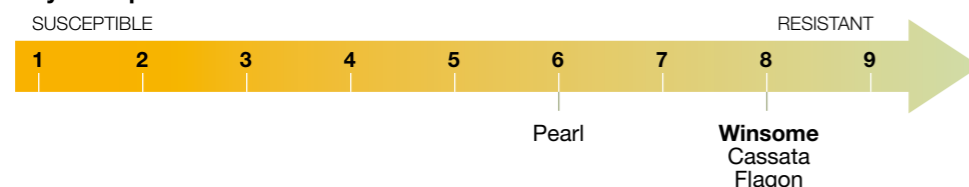


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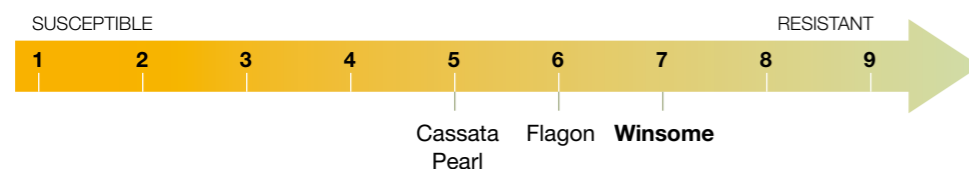
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## Rhynchosporium



## Net blotch



Source: HGCA Recommended List 2010/11

## Fungicide use

Always consult your agronomist and adapt programmes to local conditions.

To enhance grain fill, yield potential and grain quality, Winsome will benefit from a standard fungicide programme.

T0 – Needed only in extreme disease pressure situations.

T1 – The use of Bontima at T1 will provide clean, stress-free lower green leaves to build yield potential.

T2 – Bontima at T2 gives outstanding protection against disease and leaf spotting for green leaf retention, securing yield potential and increasing quality by driving grain size and grain fill.

### CORE PROGRAMME

T1 – Bontima 1.6 lt/ha

T2 – Bontima 1.6 lt/ha



## Agronomic information

Winsome is earlier maturing than any other two-row winter malting barley.

Variety	Ripening (+/- Pearl)	Straw height (cm)	Resistance to lodging
Winsome	-2	94	6
Flagon	-1	98	5
Cassata	0	88	8
Pearl	0	97	7

Source: HGCA Recommended List 2010/11

## Growth habit

**Over winter:** Semi-prostrate

**Tillering Ability:** Medium / High

**Maturity:** Early

**Suitability for early drilling:** Good

**Optimum drilling date:** Mid to late September

## 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 number of seeds per square metre that should be planted in good conditions.

	September	October	November	December
ENGLAND	325	350-375	375-425	425
SCOTLAND	350-375	375-400	N/A	N/A

This table should always be used in conjunction with the thousand grain weight of the seed to calculate the sowing rate.

## Nitrogen application

Most commercial malting barley growers use between 100-120 kg/ha with a split dressing. Syngenta Seeds recommends 40 kg/ha in mid to late February and the remainder to be applied by the end of March. 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

Winsome has good straw strength characteristics; with good resistance to lodging, leaning and necking.

In normal situations consider:

GS31-32 – Moddus 0.2 lt/ha + chlormequat 1.25 lt/ha at onset of stem extension.

On fertile sites consider applying Terpal 1.0 lt/ha (ethephon + mepiquat chloride) at GS37.

## Grain quality

**Specific weight:** 69.7 kg/hl

**Sieving % through 2.25mm:** 2.0%

**Sieving % through 2.5mm:** 6.8%

## Malting quality

Winsome has very high hot water extract and in tests it shows the promise of excellent quality.

Variety	Hot water extract (l deg/kg)	Nitrogen content (%)
Winsome	310.6	1.71
Flagon	307.3	1.68
Cassata	304.3	1.68
Pearl	306.6	1.74

Source: HGCA Recommended List 2010/11

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## 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.

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## 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 regularly checked to ensure quality is maintained and germination levels are kept at 98% plus.

Source: HGCA Recommended List 2010/11 – the full database can be consulted at [www.hgca.com](http://www.hgca.com)  
IBD listings can be consulted at [www.ukmalt.com](http://www.ukmalt.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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