



# Carat

WINTER BARLEY

## HUSBANDRY GUIDELINES

### ● SOWING

Sow Carat from mid-September onwards in all soil types, avoiding earlier sowings in the South/West or in areas at risk from late frosts in May. Carat can safely be sown up to the end of February, but best yields are obtained from sowings before mid-October. The recommended seed rate is around 250 seeds/square metre, increasing to 300 for later sowings, poor seedbeds or areas at risk from slug or bird losses. Carat is resistant to the common strains of BYMV, and can be grown on most farms.

### ● NITROGEN

Grow Carat for maximum yield, applying up to 200 kg/ha N (depending on soil type and crop rotation) in two doses, 40-50 kg/ha by early March and the remainder as a main dose at GS 30-32 (early to mid-April).

Second/third cereal barleys will respond to the higher amounts if their yield potential is good.

Carat comes to ear earlier than most other varieties so needs earlier treatment.

### ● GROWTH REGULATOR

Carat is very short and stiff so early Cycocel is unnecessary in most situations. Apply Terpal or Cerone later, if the need is indicated by crop density.

### ● CROP PROTECTION

Carat has good resistance to mildew, *Rhynchosporium* and net blotch, but is more susceptible to brown rust, BYDV-tolerance is similar to most other varieties.



All data from 2004 HGCA Recommended List except where stated – the full HGCA Recommended List Database can be consulted at <http://www.hgca.com>



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## TECHNICAL AND MARKETING GUIDE

- Very high yielding 2 row winter barley
- Very short, stiff straw
- Barley Yellow Mosaic Virus resistant
- Excellent resistance to *Rhynchosporium* and Net Blotch
- Excellent specific weight and very low screenings



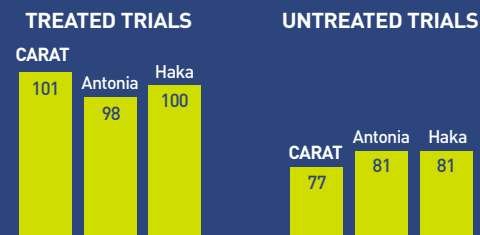
## SUMMARY

Carat is the highest yielding, 2 row winter barley with Barley Yellow Mosaic Virus resistance. Carat has short, stiff straw and early maturity. Good all round disease resistance is combined with grain of excellent specific weight and very low screenings.

## PEDIGREE

Volley x Cabrio

## VERY HIGH YIELDING



Carat is the highest yielding 2 row winter barley variety available with Barley Yellow Mosaic Virus resistance.

## REGIONAL TREATED TRIALS

	CARAT	Antonia	Haka
NORTH	100	98	99
EAST	100	99	101
WEST	102	98	99

Carat produces consistently high yields in all regions of the UK.

## VERY SHORT, STIFF STRAW

	CARAT	Antonia	Haka
Resistance to lodging	8	7	8
Straw height (cm)	88	103	96

Carat is a short strawed variety with good standing power.

## EARLY MATURITY

	CARAT	Antonia	Haka
Earliness of ripening (days +/- Pearl)	-3	-1	-2

Carat is early to harvest which makes it an ideal variety for oilseed rape entry and for use on soils that can suffer from summer drought.

## BARLEY YELLOW MOSAIC VIRUS

Carat is the highest yielding 2 row variety with resistance to Barley Yellow Mosaic Virus which makes it the first choice variety for where this disease is known or suspected.

CARAT	-	RESISTANT
Antonia	-	Resistant
Haka	-	Susceptible

## GOOD ALL ROUND DISEASE RESISTANCE

	CARAT	Antonia	Haka
Mildew	7	5	8
Yellow rust	5	6	7
Brown rust	5	7	7
<i>Rhynchosporium</i>	7	8	5
Net blotch	7	8	7

Carat has good all round disease resistance particularly to *Rhynchosporium* and net blotch which are potentially the most difficult and more expensive diseases to control.

## EXCEPTIONAL GRAIN QUALITY

	CARAT	Antonia	Haka
Specific weight (kg/hl)	71.1	69.7	71.0
Sieving % through 2.25mm	0.6	1.6	1.4
Sieving % through 2.5mm	2.2	5.1	3.8

Carat produces an attractive sample of grain with very high specific weight and exceptionally low screenings.