



Mambo

Frighteningly good performance Winter Oilseed Rape

Es Mambo is the new conventional winter oilseed rape variety with the highest HGCA Agronomic Merit rating of 41.2.

With consistent high yields across a wide range of sites and contrasting years and an excellent combined multi – gene disease resistance profile, Mambo is sure to become a firm favourite with growers and agronomists alike.

- **Top HGCA** Agronomic Merit rating
- **Consistent** high yields
- **Very high** oil content
- **Low biomass** reducing harvest costs and pressure
- Very high combined **multi-gene** disease resistance
- **Excellent standing power** and lodging resistance
- Good **resistance to *Verticillium* wilt**
- Very good Autumn **vigour** aiding establishment
- Conventional variety suitable for **farm saving**



Mambo facts and figures

Yield	107.3%	Earliness of flowering*	3.6
Oil Content	46%	Earliness of maturity*	5.3
Height	145 cm	Resistance to Light Leaf Spot*	6.4
Resistance to lodging*	9	Resistance to Phoma Stem Canker*	7.8
Stem Stiffness*	8	Autumn Vigour	Excellent

*Scale of 1-9 where 9 is the top rating



Mambo

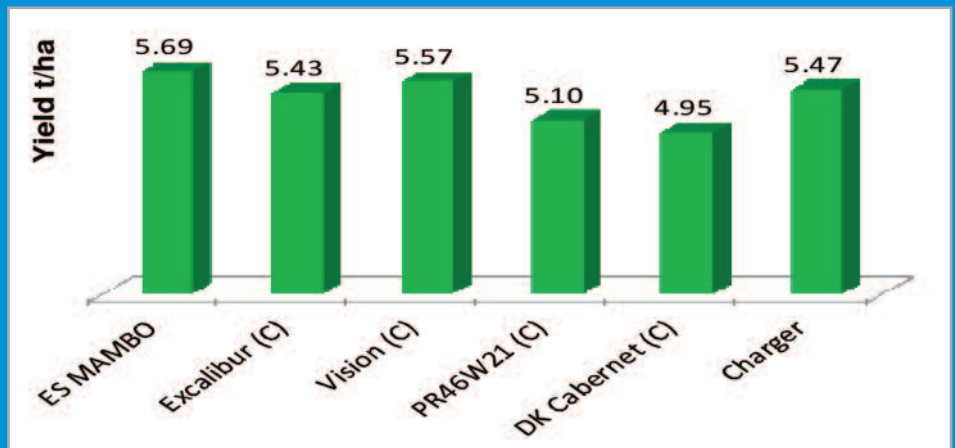
Frighteningly good performance Winter Oilseed Rape

Consistently high yields

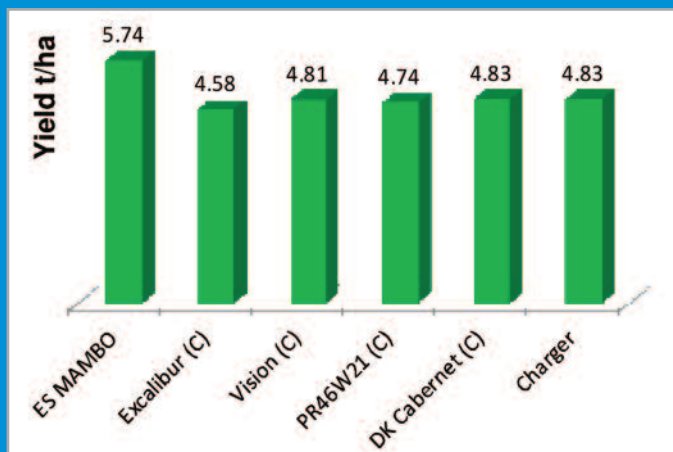
Results of Euralis Development trial 7 locations
2014 harvest, varieties in red text = control varieties

Variety	Moisture content at harvest %	Yield % 100 adjusted 9% moisture
12 ES-MAMBO	7.78	107.3
25	7.41	105
2 VISION	7.64	103.1
26	7.61	102.7
19	7.62	102.3
14	7.55	101.8
13	7.71	100.9
3DK-CABERNET	7.54	100.6
6	7.7	100.6
27 DK-EXSTORM	7.35	100.6
21	7.61	100.2
17	7.41	99.68
23	7.56	99.3
1 EXCALIBUR	7.67	98.91
5	7.59	98.61
8	7.54	98.58
7	7.34	98.39
11	7.43	98.17
16	7.48	98.13
20	7.31	98.04
4 PR46W21	7.37	97.44
10	7.27	97.00
22	7.51	96.71
9	7.69	96.37
24	7.38	96.37
18	7.44	95.64
15	7.69	95.37

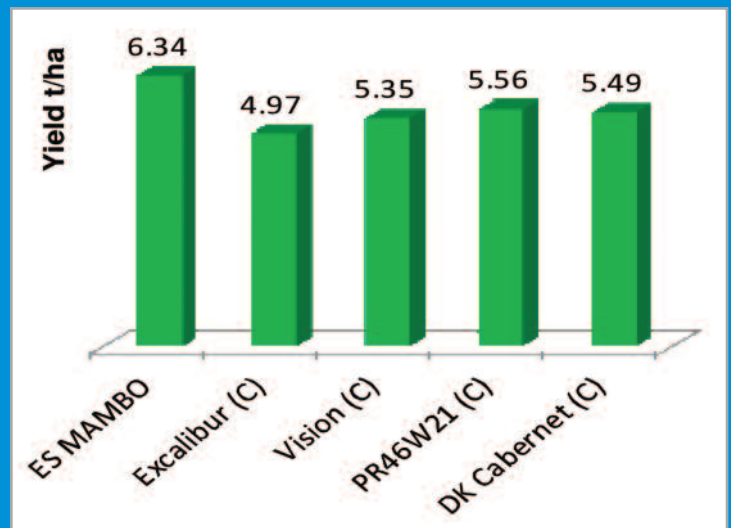
Es Mambo was drilled in our breeders trials on the same sites as the HGCA Recommended List trials and showed consistently high yields across sites.



HGCA Recommended List trial control varieties yield compared with Mambo drilled on same site at Bingham, Nottinghamshire.



HGCA Recommended List trial control varieties yield compared with Mambo drilled on same site at Cowlinge, Suffolk.



HGCA Recommended List trial control varieties yield compared with Mambo drilled on same site at Spalding, Lincolnshire.



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Excellent multigene disease resistance profile

Phoma stem canker remains the most significant and costly disease of winter oilseed rape, causing premature plant death and yield losses of up to 50%.



Growers spray at 10% autumn phoma leaf spotting.
Yield loss of 0.5- 1 t/ha is common when control has been lacking.

**Es Mambo:
Resistance to
Stem Canker= 7.8**
+ multigene resistance

£20 extra

Es Mambo is one of the highest rated Winter oilseed rape varieties for Stem Canker. This high multi-gene resistance reduces pressure on early autumn Phoma sprays.

According to Dr Faye Ritchie of ADAS an HGCA rating 7 or above significantly reduces the need for a fungicide. Each HGCA disease rating is worth £20/ha to growers.



Trinity	6
DK Cabernet	6
PT211 (RH)	5
Excalibur (RH)	4
Charger	4
Incentive (RH)	4
Troy (SD)	4
Marathon (RH)	3
PR46W21 (RH)	3

£20 extra

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Good *Verticillium* wilt resistance

Over the past 4 years trial work has been carried out by ADAS in conjunction with HGCA to look at varietal resistance to the increasingly important disease in UK rape crops, *Verticillium* wilt.



Symptoms of *Verticillium* wilt (photo courtesy of ADAS)

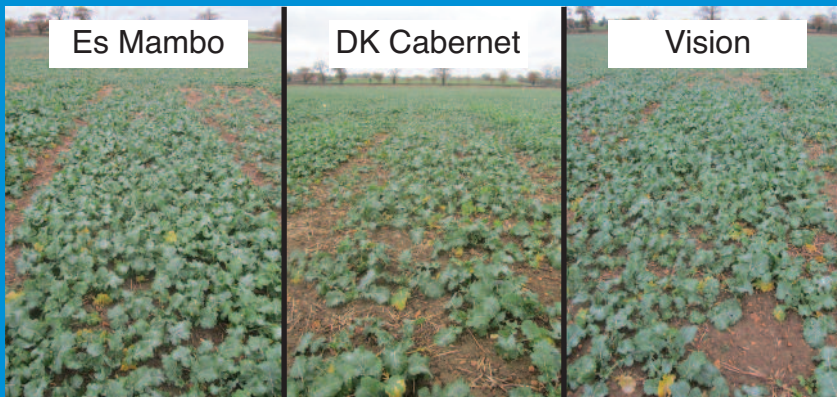
- The disease is already a significant problem across many areas of Europe and can lead to heavy yield losses due to premature ripening and plant death.
- There is no known chemical control for *Verticillium* wilt so the only way to avoid heavy yield losses is to grow a more resistant variety such as Es Mambo.



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Vigorous with excellent standing power



Being low biomass ensures that Es Mambo is cost-effective and easy when it comes to harvest time. Coupled with exceptional disease resistance allowing for greater flexibility with Phoma spray timings means that Es Mambo reduces stress on man and machine.

Es Mambo has very good autumn vigour aiding establishment and giving a strong healthy plant going into the winter.

Without the availability of neonicotinoid seed treatment good early vigour is more important than ever before to help grow away from flea beetle attack.

Remember not all hybrids have good vigour and some conventional varieties such as Mambo can have better vigour than many hybrid varieties.



Morley, Norfolk 29th April 2014



Es Mambo @ NIABTAG Morley, Norfolk showing large pod size and high TGW. Picture 26th June 2014. Mambo yield 5.04t/ha 109.5%

Maximise returns from your oilseed rape crop by choosing a variety with multigene disease resistance and top Agronomic Merit- **grow Es Mambo!**



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