



## Western Australia

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### KEY FEATURES

- A high yielding early-mid season variety developed for Western Australia
- Australian Hard (AH) classification in Western Australia
- Good Yellow Spot resistance (MR-MS)
- Sound rust resistance package for Stem (R-MR) and Leaf (MR)
- Stripe rust rating (MS-S) so may require some form of fungicide protection in the cooler winter period under high disease pressure. Cobra's Adult Plant Resistance becomes more effective in the warmer spring months similar to Wyalkatchem

### BREEDING Pedigree:Westonia/Sentinel

Cobra was bred by Longreach Plant Breeders in Western Australia. This line has been extensively evaluated by the LongReach Plant Breeders technical team since 2007, led by Dr Bertus Jacobs. The line was first entered into National Variety Trials in 2010.

### AGRONOMIC FEATURES

Cobra is an early-mid maturing line which is slightly quicker than Scout, Mace and Wyalkatchem. It is a high yielding variety and has shown excellent yield performance, especially in average to above average rainfall years. Cobra appears well suited to acid soils with a good yield performance in low pH soils. Cobra has medium length Coleoptiles with excellent seedling vigour, combined with compact plant height at maturity being 6-10cm taller than Wyalkatchem. Cobra is moderately resistant (MR) to lodging. Cobra has shown sound test weight and medium grain size. Sprouting tolerance is susceptible (S) similar to Westonia.

Disease and Pest Resistance Ratings: Cobra and commercial varieties												
Variety	Disease Ratings									Pest Reaction		
	Septoria nodorum blotch	Septoria tritici blotch	Yellow leaf spot	Rust			Powdery mildew	Flag smut	Common bunt	CCN	Black point	Root lesion nematodes
				Stem	Stripe WApt	Leaf#						<i>P.neglectus</i>
<b>Cobra</b>	<b>MR-MS</b>	<b>MS-S</b>	<b>MR-MS</b>	<b>R-MR</b>	<b>MS-S</b>	<b>MR</b>	<b>MS-S</b>	<b>MS</b>	<b>S-VS</b>	<b>MS</b>	<b>MS</b>	<b>MS</b>
Corack	MS-S	MS-S	MR	MR	MS	MR#	S-VS	MR-MS	MS-S	R-MR	S	MS-S
Mace	MS	S	MR-MS	MR	R-MR	MR#	MS-S	MS-S	R	MR-MS	MS	MS
Magenta	MR-MS	MR-MS	MR	R-MR	MS	R	MR-MS	MS-S	S	MS-S	MS	MS-S
Trojan	MS	S	MS-S	MR-MS	MR	MR	Sp	S-VS	S	MS	MR-MS	MS-S
Westonia	MS-S	S-VS	MS	S-VS	VS	MS	S	S-VS	S	S	MS	S-VS
Wyalkatchem	MS	S	MR	MS	S	R-MR	S	S	R-MR	S	MS	MR-MS
Yitpi	MS	MR-MS	S-VS	S	MR-MS	MS-S	MR-MS	MR	S	MR	MS	MS-S

Resistance rating: VS=Very Susceptible, S=Susceptible, MS=Moderately Susceptible, MR=Moderately Resistant, R=Resistant

# May be more susceptible to the leaf rust pathotype. Tol Rating - T =Tolerant, MT=Moderately Tolerant, MI =Moderately Intolerant, I = Intolerant, VI =Very Intolerant, - = Uncertain, p-Provisional

Ratings based on the 2015 DAFWA Wheat Variety Guide for WA, NVT disease screens and LongReach disease screens

**WHEAT**

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Growing possibilities

## Cobra Main Season NVT data 2010-2014 - Adjusted average Yield (t/ha)

Western Australia																		
	Agzone1			Agzone2			Agzone3			Agzone4			Agzone5			Agzone6		
Variety	t/ha	%MY	Count	t/ha	%MY	Count	t/ha	%MY	Count	t/ha	%MY	Count	t/ha	%MY	Count	t/ha	%MY	Count
Calingiri	2.13	97	33	2.56	98	72	4.00	101	24	1.51	96	39	2.34	99	28	3.22	102	11
<b>Cobra</b>	<b>2.30</b>	<b>105</b>	<b>26</b>	<b>2.76</b>	<b>106</b>	<b>58</b>	<b>4.24</b>	<b>107</b>	<b>24</b>	<b>1.61</b>	<b>102</b>	<b>31</b>	<b>2.41</b>	<b>102</b>	<b>25</b>	<b>3.39</b>	<b>108</b>	<b>11</b>
EGA Bonnie Rock	2.26	103	33	2.65	102	72	3.89	98	24	1.63	103	39	2.34	99	28	3.08	98	14
Mace	2.39	109	33	2.79	107	72	4.12	104	24	1.72	109	39	2.59	109	28	3.31	105	14
Magenta	2.23	102	33	2.68	103	72	4.18	105	24	1.57	99	39	2.41	102	28	3.35	106	14
Trojan	2.17	99	13	2.67	102	30	4.23	107	15	1.55	98	15	2.37	100	17	3.32	105	9
Westonia	2.28	104	33	2.7	103	72	4.02	101	24	1.66	105	39	2.42	102	28	3.17	101	14
Wyalkatchem	2.31	105	33	2.7	103	72	4.05	102	24	1.64	104	39	2.51	106	28	3.28	104	14
Yitpi	2.06	94	26	2.52	97	57	3.95	99	20	1.55	98	31	2.36	100	23	3.08	98	12
RegMean Yield	2.19		33	2.61		72	3.97		24	1.58		39	2.37		28	3.15		14

## Average variety performance in different yield bands from 149 trials NVT/LongReach/Independent trials (2010-2013)

Number Trials	9	25	62	29	13	9	2	149
% trials in range	6%	17%	42%	19%	9%	6%	1%	
Yield Range	0-1 t/ha	1-2 t/ha	2-3 t/ha	3-4 t/ha	4-5 t/ha	5-6 t/ha	>6 t/ha	All trials
<b>Cobra</b>	<b>0.55</b>	<b>1.49</b>	<b>2.64</b>	<b>3.70</b>	<b>4.84</b>	<b>6.07</b>	<b>7.12</b>	<b>2.99</b>
Mace	0.79	1.66	2.71	3.67	4.60	5.44	6.38	2.98
Wyalkatchem	0.73	1.57	2.62	3.52	4.50	5.41	6.19	2.89
Westonia	0.72	1.57	2.56	3.56	4.55	5.54	6.17	2.88
Magenta	0.63	1.49	2.55	3.53	4.55	5.34	6.49	2.84
EGA Bonnie Rock	0.71	1.54	2.47	3.42	4.42	5.30	5.85	2.78
Calingiri	0.57	1.46	2.41	3.40	4.57	5.33	6.40	2.75
Site Mean (t/ha)	0.65	1.53	2.43	3.37	4.35	5.30	6.24	2.75

### Seed Availability

Coorow Seeds  
Coorow WA 6515  
Ph: 08 9952 1088

Melchiorre Seeds  
Narrogin WA 6312  
Ph: 08 9881 1155

Australian Seed & Grain  
Moora WA 6510  
Ph: 08 9651 1069

EDSCO  
Kellerberrin WA 6410  
Ph: 08 9045 4036

Multiseed Production Pty Ltd  
Esperance WA 6450  
Ph: 08 9071 1053



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