



Field Pea Blackspot Management Guide for South Australia - 2011

Blackspot management practices

- **Separation** >500 m from last year's field pea stubble
- **Rotation** at least 3 years between crops in a paddock
- **Time of sowing**

Summer and autumn conditions determine when blackspot spores are released. Field pea crops should be sown so that the majority of blackspot spores (~60%) have been released prior to the crop emergence. This level of spores exposure results in a disease severity of 2 or less. This prediction is based on DAFWA's "Blackspot Manager" model using weather data from the nearest weather station.

See details on: <http://www.agric.wa.gov.au/cropdisease>

District and rain fall to date (stubble wetting days)		Week starting									
		4-May	11-May	18-May	25-May	1-Jun	8-Jun	15-Jun	22-Jun	29-Jun	6-Jul
Balaklava 147.4 (64)	Blackspot severity	3-4	3-4	2	2	1	1	1	1	1	1
	Sowing guide	X?●●●	XXX	Sow	Sow	Sow	Sow	XX?	XX?	XX	XX
Blyth 161.7 (76)	Blackspot severity	2	2	1	1	1	1	1	1	1	1
	Sowing guide	Sow	Sow	Sow	Sow	Sow	Sow	XX?	XX	XX	XX
Bordertown 200.8 (84)	Blackspot severity	1	1	1	1	1	1	1	1	1	1
	Sowing guide	X	X	X	X?	Sow	Sow	Sow	Sow	XX	XX
Crystal Brook 190.3 (77)	Blackspot severity	2	2	1	1	1	1	1	1	1	1
	Sowing guide	Sow	Sow	Sow	Sow	Sow	Sow	XX?	XX	XX	XX
Kingsford 246.3 (64)	Blackspot severity	3-4	3-4	2	2	1	1	1	1	1	1
	Sowing guide	X●●●	X●●●	X	X?	Sow	Sow	Sow	Sow	XX?	XX?
Lameroo 200.9 (63)	Blackspot severity	3-4	3-4	2	2	1	1	1	1	1	1
	Sowing guide	XXX	XXX	Sow	Sow	Sow	Sow	XX?	XX	XX	XX
Maitland 178.6 (65)	Blackspot severity	3-4	3-4	2	2	1	1	1	1	1	1
	Sowing guide	X●●●	X●●●	X?	Sow	Sow	Sow	Sow	Sow	XX?	XX?
Minnipa 151 (58)	Blackspot severity	3-4	3-4	3-4	2	2	1	1	1	1	1
	Sowing guide	XXX	XXX	XXX	Sow	XX?	XX?	XX	XX	XX	XX
Riverton 170.4 (69)	Blackspot severity	2	2	2	1	1	1	1	1	1	1
	Sowing guide	X●●●	X●●●	X	X	X?	Sow	Sow	Sow	Sow	XX?
Yeelanna 149.2 (51)	Blackspot severity	5	5	3-4	3-4	2	2	2	1	1	1
	Sowing guide	X●●●	X●●●	X●●●	X?●●●	Sow	Sow	Sow	XX?	XX	XX

Sow	Sow - whilst observing separation and rotation - do not sow dry
X	Too early to sow
X?	Marginally early to sow
XXX	Don't sow - Blackspot risk too high
XX?	Getting too late to sow
XX	Too late to sow
●●●	Blackspot risk exists in addition to agronomic risk(s)

Rainfall (January to May 22) of nearest weather station. Where individual rainfall is less than indicated, the probability of severe blackspot may be higher.

Projection based on assumption of occurrence of at least one fortnightly rain in excess of 3.5 mm.

Blackspot severity	Percentage Yield Loss in		
	5/10 yrs	3/10 yrs	1/10 yrs
1	0	0	0
2	2	5	15
3-4	20	25	35
5	25	30	50

Further details

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