



CAA
2005
Blackleg
RESISTANCE
Ratings



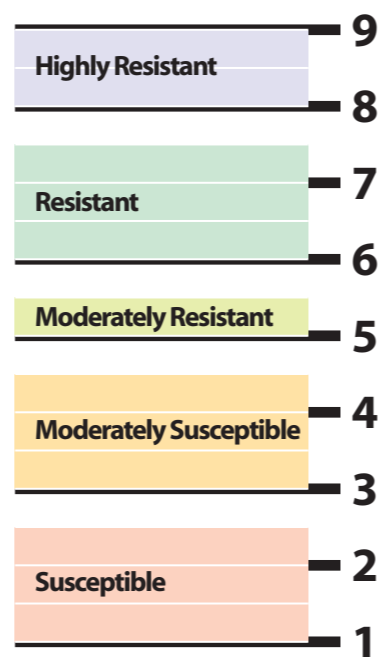
Based on ACAS protocols, this blackleg resistance rating system is compiled from data supplied by all canola breeding programs and associated pathologists throughout Australia. This national system is based on the most up to date data available and will ensure consistent ratings for Australia.

Ratings are calculated using the official CAA methodology, which has strict protocols to ensure accuracy of the data collected. All results are analysed by an independent biometrician.

Blackleg resistance is one of several key selection criteria to be considered in choosing the most appropriate canola variety for your farm.

Growers should consider:

- **Maturity** -match variety maturity class (early or mid) to your expected growing season length.
- **Herbicide tolerance** -know your weed spectrum to determine if you require a triazine tolerant (TT) or Clearfield™ system canola variety.
- **Economic return** -check Dept of Agriculture and private company trial results for yield and oil content.
- **Blackleg resistance** -identify the varieties which fit the above criteria and then choose the variety with the highest possible blackleg resistance rating.



Conventional Early Maturing Canola Varieties

Variety	Blackleg Resistance Rating	*Number of Trials
AG-Comet	7.5	11
AG-Emblem	7.0	10
Kimberley	6.5	8
44C11	6.0	17
AG-Outback	5.5	21
Mystic	5.0	10
Rivette	5.0	18

Conventional Mid Maturing Canola Varieties

Variety	Blackleg Resistance Rating	*Number of Trials
AG-Drover	7.5	11
45CO5	7.0	18
46CO4	7.0	18
AV-Sapphire	7.0	22
Hyola 61	7.0	12
Skipton	7.0	9
AG-Spectrum	6.5	14
Lantern	6.0	22

Speciality Canola Varieties

Variety	Blackleg Resistance Rating	*Number of Trials
MC202	6.5	7
MC201	6.0	7



WARNING:

No solely sylvestris based varieties are currently being marketed. However, if sowing farmer retained seed, these varieties may still be very susceptible to blackleg infection when in the presence of sylvestris resistance breaking isolates.

Triazine Tolerant Early Maturing Canola Varieties

Variety	Blackleg Resistance Rating	*Number of Trials
Trilogy	7.0	7
ATR-Stubby	5.5	11
Tranby	4.5	8
Trigold	4.5	7

Triazine Tolerant Mid Maturing Canola Varieties

Variety	Blackleg Resistance Rating	*Number of Trials
BravoTT	7.5P	2
ThunderTT	7.5P	3
TornadoTT	7.5	12
ATR-Hyden	6.5	14
ATR-Beacon	6.0	19
ATR-Grace	6.0	16

Clearfield™ System Tolerant Early Mat. Canola Varieties

Variety	Blackleg Resistance Rating	*Number of Trials
44C73	5.0	21

Clearfield™ System Tolerant Mid Mat. Canola Varieties

Variety	Blackleg Resistance Rating	*Number of Trials
RocketCL	8.0P	4
46C76	6.5	15
45C75	5.5	16

* The ratings are based on a variable number of trials for different varieties. The higher the number of trials the more reliable the rating is considered.
P Provisional, which means there is insufficient data available for the particular variety to meet ACAS (Australian Crop Accreditation System) standards. Growers should be cautious until sufficient data is available.

™ Registered trademark of BASF

Note:

- Ratings are based on plant survival data from blackleg disease nurseries (very high blackleg pressure) located in Vic, NSW, SA & WA. Data is supplied by Department of Primary Industries Victoria, New South Wales Department of Primary Industries, South Australian Research and Development Institute, Department of Agriculture Western Australia, AgSeed Research Pty. Ltd., Bayer CropScience, Pacific Seeds and Pioneer Hi-Bred. Department of Agriculture Western Australia also compile an additional rating, which is based on a combination of the blackleg survival rating and ratings based on the amount of blackleg crown canker suffered by mature plants.
- Under severe blackleg pressure varieties which are rated highly may still suffer yield loss.

This publication is endorsed by all breeding programs in Australia, both public and private.

Disclaimer

This rating system is published by the Canola Association of Australia and Agriculture Departments from NSW, Vic & SA on the basis of the best information available at the time of publication. However nursery and grower experience has shown that severity may vary between locations and from year to year depending on seasonal conditions and possible changes in the fungus for reasons which are not currently understood. Therefore growers may sometimes experience significant variability from the averages shown by these ratings.