

Blackleg Evaluations

Field Ratings for Resistance to *Phoma* Blackleg, 2003-2004

| Variety | Blackleg ¹ Plains % diseased | Variety | Blackleg ¹ Plains % diseased |
|--|---|--|---|
| State Winter Canola Trial Entries | | State Spring Canola Trial Entries | |
| Flint ^C | 7 | G04035 | 0 |
| G04001 | 7 | Flint ^C | 7 |
| G04002 | 10 | G04031 | 7 |
| G04004 | 10 | G04033 | 7 |
| G04015 | 10 | G04034 | 7 |
| Falcon ^C | 12 | G02075 | 10 |
| G02019 | 13 | G02088 | 10 |
| G96200E | 15 | G04030 | 10 |
| G04011 | 17 | G04032 | 10 |
| G04013 | 17 | Falcon ^C | 13 |
| Jetton | 17 | G01062 | 13 |
| G01028 | 20 | G03002 | 13 |
| G04003 | 20 | G03036 | 13 |
| G04008 | 20 | G03040 | 13 |
| G04009 | 20 | G04036 | 13 |
| G04012 | 20 | Dunkeld | 23 |
| Oscar ^C | 20 | G04029 | 23 |
| G02010 | 23 | G97042B | 23 |
| G04006 | 23 | G99057 | 23 |
| G04007 | 23 | Oscar ^C | 25 |
| G04014 | 27 | G00092 | 27 |
| G04005 | 30 | G01123D | 27 |
| G04010 | 30 | G02103 | 27 |
| Parade | 30 | Glossy Bingo ^C | 33 |
| Glossy Bingo ^C | 31 | G03037 | 43 |
| Cyclone ^C | 77 | G03047 | 50 |
| Westar ^C | 80 | Cyclone ^C | 67 |
| | | Westar ^C | 77 |
| Average | 23 | Average | 22 |
| LSD at 10% Level | 15 | LSD at 10% Level | 13 |
| Std. Err. of Entry Mean | 7 | Std. Err. of Entry Mean | 6 |

1. Blackleg rated as total percentage of plants killed by blackleg or with severe basal stem canker.

^C Check variety.

Bolding indicates entries with blackleg resistance ratings equal to the best rated entry within a column based on Fisher's protected LSD (P = 0.10).

NOTE: This nursery was located in the proximity of fields infected with *Phoma* blackleg the previous season. Disease severity was further increased by spreading infected stubble over the nursery shortly after planting.

Data collected by D. V. Phillips and D. Spradlin.

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| Variety | Blackleg ¹ Plains % diseased |
|---------|---|
|---------|---|

National Winter Canola Variety Trial Entries

| | |
|---------------------------|-----------|
| ARC90016-PR377 | 7 |
| ARC91019-50-E2 | 7 |
| Jetton | 7 |
| KS9183 | 7 |
| VSX-1 | 7 |
| | |
| Flint ^C | 10 |
| KS8367 | 10 |
| VSX-2 | 10 |
| ARC92004-1 | 13 |
| Abilene | 13 |
| | |
| KS7436 | 13 |
| KS9124 | 13 |
| KS9135 | 13 |
| Maestro | 13 |
| SW013186 | 13 |
| | |
| Talent | 13 |
| Ceres | 17 |
| Kronos | 17 |
| SW013211 | 17 |
| Titan | 17 |
| | |
| Falcon ^C | 20 |
| Rasmus | 20 |
| SW013022 | 20 |
| Wichita | 20 |
| ARC92007-2 | 23 |
| | |
| KS2427 | 23 |
| Oscar ^C | 23 |
| SW013062 | 23 |
| Viking | 23 |
| Banjo | 27 |
| | |
| Plainsman | 27 |
| SW013173 | 27 |
| Casino | 30 |
| SW013253 | 30 |
| Wotan | 30 |
| | |
| Glossy Bingo ^C | 31 |
| SW013154 | 40 |
| SW013121 | 60 |
| Cyclone ^C | 77 |
| Westar ^C | 83 |
| | |
| Average | 22 |
| LSD at 10% Level | 15 |
| Std. Err. of Entry Mean | 6 |

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|---------|---------------------------------|
| | % diseased |

Superior Edible Oil Canola

| | |
|---------------------------|----|
| G01095 | 7 |
| G03501 | 7 |
| G04025 | 7 |
| Flint ^C | 10 |
| G04028 | 10 |
| | |
| Falcon ^C | 13 |
| G01114 | 13 |
| G04023 | 13 |
| G04027 | 13 |
| G04020 | 17 |
| | |
| G04022 | 17 |
| G02551 | 23 |
| G04019 | 23 |
| Glossy Bingo ^C | 25 |
| Oscar ^C | 25 |
| | |
| G02544 | 27 |
| G04021 | 27 |
| G04024 | 27 |
| G04018 | 30 |
| G04016 | 33 |
| | |
| G04026 | 33 |
| G03514 | 37 |
| G04015 | 40 |
| LoLinda | 47 |
| G04017 | 50 |
| | |
| Cyclone ^C | 63 |
| G98110 | 70 |
| Westar ^C | 80 |
| | |
| Average | 28 |
| LSD at 10% Level | 14 |
| Std. Err. of Entry Mean | 6 |

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