

Canola:
45S54*[^] (RR)

Maturity **5**

Maximizing Local Performance

NEW Pioneer Protector Sclerotinia resistant hybrid for the Western Canadian canola market. Improved level of sclerotinia resistance over 45S51. Excellent early growth and very good standability. Strong disease package: R for Blackleg, R for Fusarium wilt and MR for Sclerotinia. The Pioneer Protector logo helps you quickly and easily identify which Pioneer brand canola products carry each disease protection trait. 45S54 is available exclusively from your local Pioneer Hi-Bred sales reps.

Management Comments

45S54 does not necessarily eliminate the need for a fungicide application. Trials done across Western Canada have shown greater than 50% reduction in sclerotinia incidence levels compared to susceptible products.

Key Environments

High Yield EnvironmentHighly Suitable
IrrigationSuitable

Suitability

No-TillHighly Suitable
High ManagementHighly Suitable
Late Harvest/Anti-shatteringInsufficient Data
Direct CuttingInsufficient Data
High Oil ContractsInsufficient Data

Soils

Early PlantingHighly Suitable
Black SoilsHighly Suitable
Brown SoilsSuitable
Stress Prone SoilsInsufficient Data

Traits Scores for 45S54*[^] (RR)

Characteristics Scores

Herbicide Tolerant TraitRR
NewNEW
Maturity5
Clubroot Resistance
Clubroot Resistance
Early Growth8
Green Seed Content8
Standability7
Plant Height7
Oil Content7

Diseases Scores

BlacklegR
Blackleg7
Sclerotinia Resistance6
Fusarium WiltR

Characteristics: 9 = Excellent; 1 = Poor; PAA = Predicts Above Average; PA = Predicts Average; PBA = Predicts Below Average; Blank = Insufficient Data.

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* NEW

^ GRAIN EXPORT APPROVAL PENDING: Regulatory approval of grain harvested from this variety is pending in some export markets and may not be received before harvest. The grower must be prepared to sell the grain into domestic and non-restricted export markets only.

[1]IMPORTANT: Information and ratings are based on comparisons with other Pioneer brand products, not competitive products. Positioning information is based upon historical observations and analysis of traits by Pioneer Agronomists and Research Managers. Trait scores are assigned by Pioneer Research Managers. Scores are based on period-of-years testing through 2011 harvest and were the latest available at time of printing. Some scores may change after 2012 harvest. Scores represent an average of performance data across areas of adaptation, multiple growing conditions, and a wide range of both climate and soil types, and may not predict future results. Products within a family receive the same score unless observations indicate a significant difference. Individual product responses are variable and subject to a variety of environmental, disease and pest pressures. Please use this information as only one component of your product positioning decision. Refer to www.pioneer.com or contact a Pioneer sales professional for the latest and most complete listing of traits and scores for each Pioneer brand product.



HERBICIDE TOLERANT TRAIT: Hybrids with the Roundup Ready® gene ("RR") are tolerant to labelled rates of Roundup® branded herbicides. This technology allows for post-emergent applications of Roundup without crop injury or stress (see herbicide label). Labelled Roundup herbicide should only be used over the top of those hybrids and varieties that carry the Roundup Ready designation. Hybrids with the CLEARFIELD® trait ("CL") (formerly called IMI) are tolerant to labelled rates of Tensile or Odyssey® herbicides. This technology allows for post-emergent applications of those herbicides without crop injury or stress (see herbicide label). Labelled herbicides should only be used over the top of those hybrids and varieties that contain the CLEARFIELD trait. ® Roundup Ready and Roundup are registered trademarks used under license from Monsanto Company. ® CLEARFIELD is a registered trademark of BASF.
