



Positioning For:  North Dakota & northern Minnesota

Canola:

45H31[^] (RR)

Maximizing Local Performance

Please contact your Pioneer Sales Professional

Management Comments

- Please contact your Pioneer Sales Professional

Key Environments

High Yield Environments Insufficient Data
 Irrigation Insufficient Data

Suitability

High Residue Insufficient Data
 Late Harvest/Anti-shattering Insufficient Data
 Direct Cutting Insufficient Data

Soils

Early Planting Insufficient Data
 Stress-Prone Soils Insufficient Data

Traits Scores for 45H31[^] (RR)

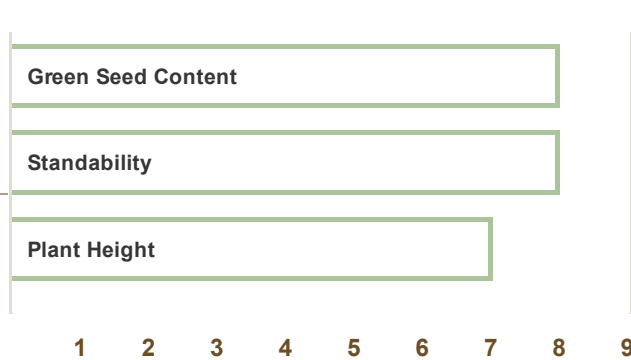
Characteristics Scores

Maturity	5
Green Seed Content	8
Standability	8
Plant Height	7
Clubroot	

Diseases Scores

Blackleg	7
Fusarium Wilt	R
Blackleg	R
Sclerotinia	1

Featured Traits



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

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11KB Updated as of 04/2012

^ GRAIN EXPORT APPROVAL PENDING: Regulatory approval of grain harvested from this product 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/products 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 and varieties with the Roundup Ready® gene (RR) are tolerant to labeled rates of Roundup® branded herbicides. This technology allows for post-emergent applications of Roundup without crop injury or stress (see herbicide label). Labeled Roundup herbicide should only be used over the top of those hybrids and varieties that carry the Roundup Ready designation. Hybrids and varieties with the CLEARFIELD® trait (CL) are tolerant to labeled rates of Beyond®, Odyssey® or Absolute® herbicides. This technology allows for post-emergent applications of these herbicides without crop injury or stress (see herbicide label). Labeled 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. The unique Clearfield symbol and Clearfield® are registered trademarks of BASF.
