



DEKALB Canola Update

12.11.2018



Today's Topics

- TruFlex Canola
- DEKALB Liberty Tolerant Canola
- Clubroot
- Blackleg



TruFlex Canola Benefits

- Increased application Window
 - Through 1st Flower
- Increased tolerance of higher Glyphosate Rates
 - 1 app of 44oz Powermax
 - Up to Bolting
 - 2 apps of 22oz Powermax
 - Through 1st Flower





Trait Update

- Expecting Chinese approval Early 2019
 - Meeting in February
- Orders can be taken for product to be seeded in next spring
 - Backup supply of RT73 products
- TruFlex & Liberty Approval will come at the same time



DEKALB Liberty Canola

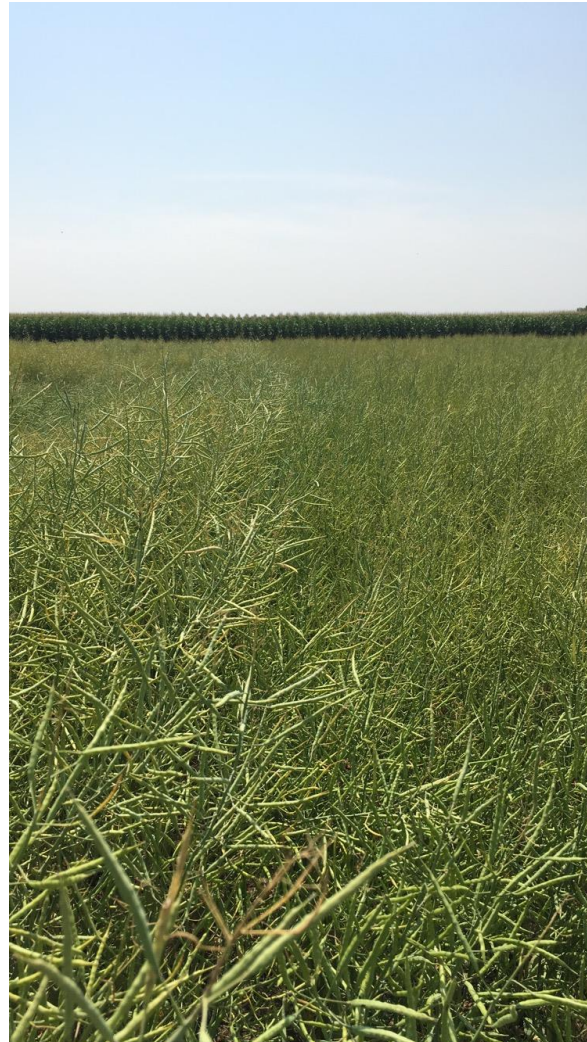
- Trait Licensed from BASF
- Same labeled rates as Invigor
- Monsanto (now Bayer) Genetics



DEKALB vs Invigor



Invigor Canola:
Wider pod set



DEKALB Canola:
Pods closer to stem



2019 DEKALB Canola offerings

3 New Products for 2019

- TruFlex
 - DKTF91SC
 - DKTF92SC
- Liberty
 - DKLL81BL
- RT73
 - DKL 35-23
 - DKL 70-10
 - DKL 71-14BL
 - DKL 75-42CR



Canola Business Update

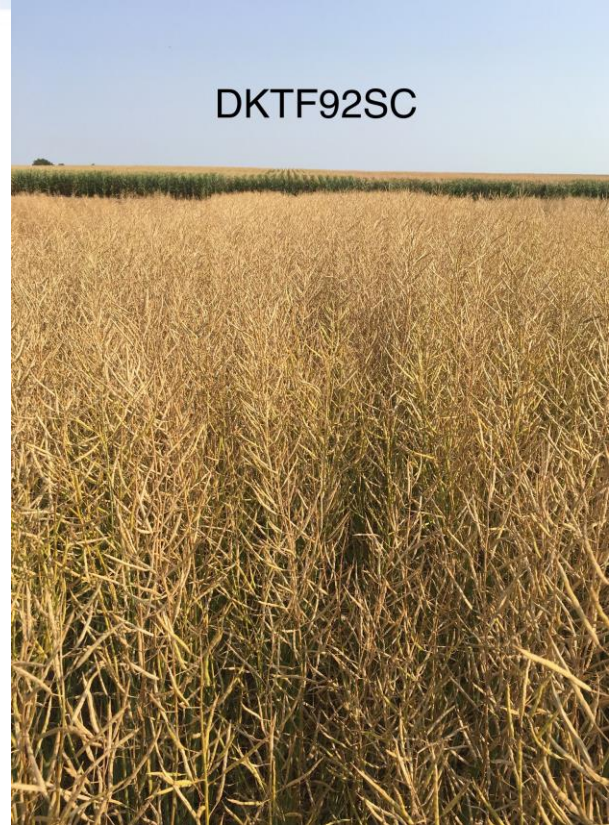
– Naming changed with new Traits

- DK=DEKALB
- 2ND 2-4 LETTERS
 - TF = TruFlex
 - LL = Liberty Link
 - TFLL = TruFlex/Liberty Stack
- Number
 - 9x = TruFlex
 - 8x = Liberty
 - 7x = Stack
- Last 2 letters
 - SC = Straight Cut
 - BL = Muti-genic Blackleg
 - CR = Clubroot Resistant
 - *Products with more than 1 designation will only have the highest ranked feature designated



TruFlex Products

- DKTF91SC
 - Early Maturity
 - Excellent for Straight Cutting
 - Blackleg “R” Rating
- DKTF92SC
 - Full Season
 - Excellent for Straight Cutting
 - Multi-genic Blackleg resistance



Standability

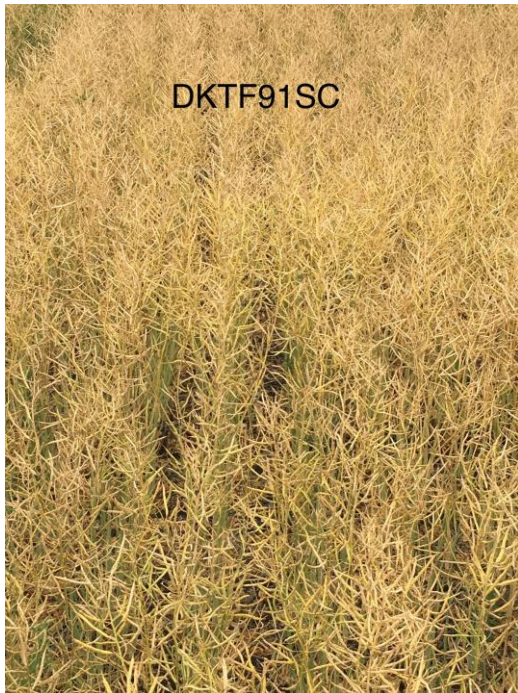


DEKALB Liberty Link Canola

- DKLL81BL
 - Full Season products
 - Multi-genic Blackleg resistance
 - Same rates of Liberty as Invigors



New Product Maturities



* Photos take August 6th at Ruthville, ND Plot



Clubroot Resistance

- Growing # of affected fields in the US
- DKL 75-42CR
- TruFlex product available in 2020
 - Canadian Product will be commercialized in 2019



DKL 75-42CR

- <http://www.dekalb.ca/canola/details/464/75-42-cr>
 - Canadian Site Product name and labeled treatments may vary from US labels
- Maturity- Similar to DKL 71-14BL
 - Fuller growing season for the US
- RT73 Product
- Clubroot Resistant Pathotypes
 - 3,2,5,6,8



2 Parts to Blackleg Resistance

Blackleg Field Resistance Label

This label rates the product on a scale from resistant (R) to susceptible (S) based on the blackleg infection of the product as a percent of the infection of the susceptible variety, Westar across multiple field trials.

Label	Infection rating (% of Westar)
R (Resistant)	0-29.9%
MR (Moderately Resistant)	30-49.9%
MS (Moderate Susceptible)	50-69.9%
S (Susceptible)	70-100%

NEW

Major Resistance Gene Label

This label denotes any major genes contributing to the products blackleg resistance based on this following key:

Label	Resistance Gene
A	<i>Rlm1 / LepR3</i>
B	<i>Rlm2</i>
C	<i>Rlm3</i>
D	<i>LepR1</i>
E ₁	<i>Rlm4</i>
E ₂	<i>Rlm7</i>
F	<i>Rlm9</i>
G	<i>Rlm5</i>
H	<i>LepR2</i>
X	Unknown



Blackleg

DKTF92BL

DKLL81BL

DKL71-14BL

DKL 75-42CR



DEKALB® Canola Disease Ratings

PRODUCT	BLACKLEG		FUSARIUM WILT	CLUBROOT
	RESISTANCE RATING & LABEL	RESISTANCE GENES		
DKTF91SC	(C)	Rlm3		
DKTF92SC	(ACG)	Rlm3 LepR3 Rlm5		
DKLL81BL	(ACG)	Rlm3 LepR3 Rlm5		
DKL70-10	(C)	Rlm3		
DKL35-28	(C)	Rlm3		
DKL75-42CR	(AC)	Rlm3 LepR3		
DKL71-14BL	(ACG)	Rlm3 LepR3 Rlm5		

LEGEND

- Resistant
- Enhanced Multi-genic Blackleg resistance
- Multiple pathotype clubroot resistance (Pathotypes 3, 2, 5, 6, 8)



Thank you!

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