



## Fort Cobb, OK Winter Canola Performance Trials

### Observations:

An excellent stand was achieved in the fall and no winter kill was observed. Plants were 4-5 leaves going into winter dormancy. Yields were excellent given the dry start to the growing season. Overall, seed yields at Fort Cobb averaged 2685 lb/ac in the Glyphosate resistant trial and 2727 lb/ac in the conventional test. No shatter was observed prior to harvesting. Lodging was observed in some plots but was more a result of environmental conditions and not specifically related to cultivars.

Table 1. Information on soil properties and management practices for Fort Cobb, OK in 2011-2012.

<b>Date Planted</b>	3-Oct		
<b>Soil Moisture at Planting</b>	Good	<b>Fertilizer Applied (lbs/ac)</b>	
<b>Soil Chemical Characteristics</b>		Fall Nitrogen	30
Binger fine sandy loam		Spring Nitrogen	100
Pond Creek fine sandy loam		<i>Total Nitrogen</i>	130
		P <sub>2</sub> O <sub>5</sub>	0
		K <sub>2</sub> O	0
		Sulfur	10
<b>Swathed</b>	4-May		
<b>Harvested</b>	11-May		

Table 2. Selected cultivar characteristics and seed yields for the **glyphosate tolerant** winter canola performance trial at Fort Cobb, OK in 2011-2012.

Cultivar	Company	Fall	Winter	Estimated	Seed Yield 2011-2012
		Stand Rating <sup>†</sup>	Survival <sup>‡</sup>	Shatter Loss	
		----- % -----	----- % -----	--- % ---	--- lb/ac ---
46W94	Pioneer Hi-Bred Int	100	100	0	3275
46W99	Pioneer Hi-Bred Int	100	100	0	3136
KSR07363	Kansas State Univ.	100	100	0	2826
HYC115W	Croplan Genetics	100	100	0	2805
HYC125W	Croplan Genetics	100	100	0	2708
KSR07361	Kansas State Univ.	100	100	0	2633
DKW 47-15	Dekalb	100	100	0	2625
DKW 44-10	Dekalb	100	100	0	2604
HYC154W	Croplan Genetics	100	100	0	2537
KSR07352S	Kansas State Univ.	100	100	0	2392
DKW 46-15	Dekalb	100	100	0	2382
DKW 41-10	Dekalb	100	100	0	2294
Mean					2685
LSD (P=0.05)					384
CV					14

† Fall stand rating was based on ratings taken in November.

‡ Winter survival ratings were taken in the spring after winter dormancy was broken (rated as percent of the plot that survived).

Table 3. Selected cultivar characteristics and seed yields for the conventional winter canola performance trial at Fort Cobb, OK in 2011-2012.

Cultivar	Company	Fall Stand Rating <sup>†</sup>	Winter Survival <sup>‡</sup>	Estimated Shatter Loss	Seed Yield 2011-2012
		----- % -----		--- % ---	--- lb/ac ---
Sitro	DL Seeds	100	100	0	3667
Baldur	DL Seeds	100	100	0	3076
KS4428	Kansas State Univ.	100	100	0	2743
Wichita	Kansas State Univ.	100	100	0	2724
Riley	Kansas State Univ.	100	100	0	2662
KS4083	Kansas State Univ.	100	100	0	2630
Sumner	Kansas State Univ.	100	100	0	2527
KS4564	Kansas State Univ.	100	100	0	2371
Claremore CL	Johnston Seed Co.	100	100	0	2142
	Mean				2727
	LSD (P=0.05)				312
	CV				17

† Fall stand rating was based on ratings taken in November.

‡ Winter survival ratings were taken in the spring after winter dormancy was broken (rated as percent of the plot that survived).