



Stillwater, 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. Overall, seed yields at Stillwater averaged 2006 lb/ac in the Glyphosate resistant trial and 1739 lb/ac in the conventional test. Some lodging and shattering were observed prior to swathing and harvest. High winds hit the plot area 1 week prior to swathing that caused most of the lodging and shattering. Lodging was most likely a result of the excellent growth potential (thick stand, warm temperatures, and abundant moisture) we experienced in late winter and early spring. In most years we would not have to consider lodging to be a problem.

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

Date Planted	4-Oct		
Soil Moisture at Planting	Good	Fertilizer Applied (lbs/ac)	
Soil Characteristics/Mgt		Fall Nitrogen	30
Conventional Till Seedbed		Spring Nitrogen	100
Port Silt Loam		<i>Total Nitrogen</i>	130
		P ₂ O ₅	0
		K ₂ O	0
		Sulfur	10
Swathed	8-May		
Harvested	18-May		

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

Cultivar	Company	Fall	Winter	Estimated	Seed Yield 2011-2012
		Stand Rating [†]	Survival [‡]	Shatter Loss	
		----- % -----		--- % ---	--- lb/ac ---
46W94	Pioneer Hi-Bred Int	100	100	10	2554
46W99	Pioneer Hi-Bred Int	100	100	10	2242
DKW 41-10	Dekalb	100	100	20	2102
DKW 44-10	Dekalb	100	100	10	2073
HYC154W	Croplan Genetics	100	100	10	2026
KSR07361	Kansas State Univ.	100	100	10	1997
DKW 47-15	Dekalb	100	100	10	1938
KSR07363	Kansas State Univ.	100	100	10	1916
HYC125W	Croplan Genetics	100	100	10	1894
DKW 46-15	Dekalb	100	100	10	1781
HYC115W	Croplan Genetics	100	100	10	1780
KSR07352S	Kansas State Univ.	100	100	10	1769
	Mean				2006
	LSD (P=0.05)				365
	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).

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

Cultivar	Company	Fall Stand Rating [†]	Winter Survival [‡]	Estimated Shatter Loss	Seed Yield 2011-2012
		-----%-----		---%---	--- lb/ac ---
Sitro	DL Seeds	100	100	10	2137
KS4428	Kansas State Univ.	100	100	10	1863
KS4083	Kansas State Univ.	100	100	10	1760
Claremore CL	Johnston Seed Co.	100	100	10	1754
Wichita	Kansas State Univ.	100	100	10	1733
KS4564	Kansas State Univ.	100	100	10	1722
Baldur	DL Seeds	100	100	10	1633
Riley	Kansas State Univ.	100	100	10	1575
Sumner	Kansas State Univ.	100	100	10	1473
	Mean				1739
	LSD (P=0.05)				NS
	CV				18

† 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).