



Lamont, 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 Lamont averaged 1394 lb/ac in the Glyphosate resistant trial and 1495 lb/ac in the conventional test. Severe lodging and shattering were observed prior to swathing. High winds, rain, and hail hit the plot area 1-2 weeks prior to swathing that caused lodging and shattering. When viewing the yield data please keep in mind some cultivars had more shatter than others.

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

Date Planted	28-Sep		
Soil Moisture at Planting	Good	Fertilizer Applied (lbs/ac)	
Soil Characteristics/Mgt		Fall Nitrogen	100
Vertical-till Seedbed		Spring Nitrogen	100
Pond Creek Silt Loam		<i>Total Nitrogen</i>	200
		P ₂ O ₅	0
		K ₂ O	0
		Sulfur	10
Swathed	7-May		
Harvested	21-May		

Table 2. Selected cultivar characteristics and seed yields for the glyphosate tolerant winter canola performance trial at Lamont, 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	23	1846
KSR07363	Kansas State Univ.	100	100	17	1597
46W99	Pioneer Hi-Bred Int	100	100	20	1564
HYC115W	Croplan Genetics	100	100	20	1460
HYC154W	Croplan Genetics	100	100	13	1419
KSR07352S	Kansas State Univ.	100	100	10	1405
HYC125W	Croplan Genetics	100	100	13	1370
KSR07361	Kansas State Univ.	100	100	17	1293
DKW 41-10	Dekalb	100	100	37	1225
DKW 46-15	Dekalb	100	100	17	1190
DKW 47-15	Dekalb	100	100	20	1184
DKW 44-10	Dekalb	100	100	13	1174
	Mean			18	1394
	LSD (P=0.05)				317
	CV				20

† 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 Lamont, 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	2201
KS4428	Kansas State Univ.	100	100	13	1564
Wichita	Kansas State Univ.	100	100	13	1513
Baldur	DL Seeds	100	100	13	1492
Sumner	Kansas State Univ.	100	100	17	1456
Riley	Kansas State Univ.	100	100	20	1392
KS4083	Kansas State Univ.	100	100	17	1363
ClaremoreCL	Johnston Seed Co.	100	100	10	1320
KS4564	Kansas State Univ.	100	100	17	1155
	Mean			14	1495
	LSD (P=0.05)				266
	CV				21

† 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).