



Lahoma, OK Winter Canola Performance Trials

Observations:

A decent stand was achieved in the fall and no winter kill was observed. Plants were 3-4 leaves going into winter dormancy. For some unexplainable reason this location had very little growth in the fall and regrowth in the spring was slow as well. Yields were a little lower than usual at this location. Overall, seed yields at Lahoma averaged 1467 lb/ac in the Glyphosate resistant trial and 1859 lb/ac in the conventional test. No shattering or lodging was observed at this location.

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

Date Planted	23-Sep		
Soil Moisture at Planting	Good	Fertilizer Applied (lbs/ac)	
Soil Characteristics/Mgt		Fall Nitrogen	30
Conventional-till Seedbed		Spring Nitrogen	100
Grant Silt Loam		<i>Total Nitrogen</i>	130
		P ₂ O ₅	0
		K ₂ O	0
		Sulfur	10
Swathed	11-May		
Harvested	22-May		

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

Cultivar	Company	Fall	Winter	Seed Yield 2011-2012
		Stand Rating [†]	Survival [‡]	
		----- % -----		--- lb/ac ---
HYC154W	Croplan Genetics	100	100	1848
HYC125W	Croplan Genetics	100	100	1601
DKW 44-10	Dekalb	100	100	1566
46W94	Pioneer Hi-Bred Int	100	100	1552
46W99	Pioneer Hi-Bred Int	100	100	1493
KSR07363	Kansas State Univ.	100	100	1492
DKW 47-15	Dekalb	100	100	1490
KSR07361	Kansas State Univ.	100	100	1484
KSR07352S	Kansas State Univ.	100	100	1395
DKW 46-15	Dekalb	100	100	1326
HYC115W	Croplan Genetics	100	100	1289
DKW 41-10	Dekalb	100	100	1065
	Mean			1467
	LSD (P=0.05)			NS
	CV			27

† 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 Lahoma, OK in 2011-2012.

Cultivar	Company	Fall Stand Rating [†]	Winter Survival [‡]	Seed Yield 2011-2012
		----- % -----		--- lb/ac ---
Sitro	DL Seeds	100	100	2501
Baldur	DL Seeds	100	100	2180
KS4564	Kansas State Univ.	100	100	1843
Wichita	Kansas State Univ.	100	100	1830
Claremore CL	Johnston Seed Co.	100	100	1799
Riley	Kansas State Univ.	100	100	1792
KS4428	Kansas State Univ.	100	100	1647
KS4083	Kansas State Univ.	100	100	1597
Sumner	Kansas State Univ.	100	100	1541
	Mean			1859
	LSD (P=0.05)			402
	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).