

Canola Seeding Rate 2013

Yield				Plant Counts			
<i>block</i>	2.5 <i>lbs/ac</i>	4.0 <i>lbs/ac</i>	5.5 <i>lbs/ac</i>	<i>plants/ft²</i>	2.5 <i>lbs/ac</i>	4.0 <i>lbs/ac</i>	5.5 <i>lbs/ac</i>
1	61.4	62.3	63.2	4.4	6.9	9.2	
2	59.7	64.3	65.6				
3	61.6	66.0	63.8				
4	60.8	63.6	65.4				
<i>average (bu/ac)</i>	60.9	64.0	64.5				

Corrected for Dockage			
<i>dockage</i>	2.3%	1.5%	1.2%
<i>block</i>	2.5 <i>lbs/ac</i>	4.0 <i>lbs/ac</i>	5.5 <i>lbs/ac</i>
1	60.0	61.3	62.4
2	58.3	63.3	64.8
3	60.2	65.0	63.1
4	59.4	62.6	64.6
<i>average (bu/ac)</i>	59.5	63.1	63.7

Canola seed costs about \$11.00/lb

***To see the ANOVA Procedure for this trial, continue scrolling down.**

The ANOVA Procedure

Dependent Variable: Yield Yield

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	45.34833333	9.06966667	5.57	0.0295
Error	6	9.76833333	1.62805556		
Corrected Total	11	55.11666667			

R-Square	Coeff Var	Root MSE	Yield Mean
0.822770	2.055226	1.275953	62.08333

Source	DF	Anova SS	Mean Square	F Value	Pr > F
Block	3	3.61666667	1.20555556	0.74	0.5655
Treatment	2	41.73166667	20.86583333	12.82	0.0068

t Tests (LSD) for Yield

NOTE: This test controls the Type I comparisonwise error rate, not the experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	6
Error Mean Square	1.628056
Critical Value of t	2.44691
Least Significant Difference	2.2077

Means with the same letter are not significantly different.

t Grouping	Mean	N	Treatment
A	63.7250	4	5.5
A			
A	63.0500	4	4
B	59.4750	4	2.5

(The ANOVA Procedure continued on next page)

