

1

	Source	df	SS	MS	F
(a)	feed	2	23.43	11.715	17.560
	error	7	4.67	0.667	
	total	9	28.10		

(b)  $p - value = 0.0019 < \alpha = 0.05$ , reject  $H_0$ .

2

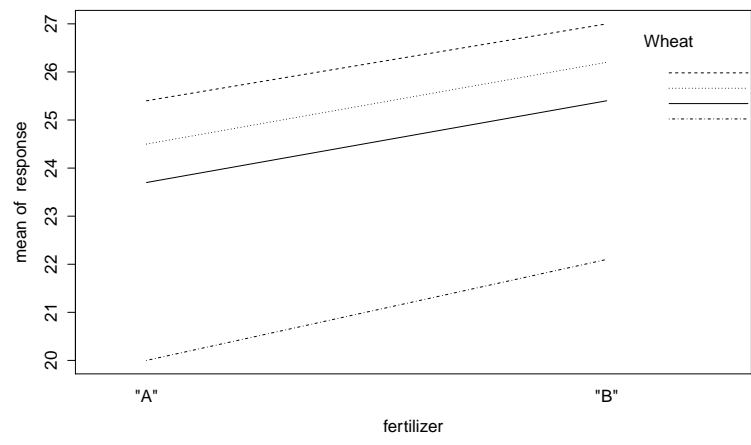
	Source	df	SS	MS	F
(a)	Propper(A)	1	4.5	4.5	32.3741
	Corn(B)	2	15.75	7.875	56.654
	Interaction(A*B)	2	0.08	0.04	0.288
	error	12	1.67	0.139	
	total	17	22.00		

(b)  $p - value = 0.755 > \alpha = 0.5$ , can't reject  $H_0$ .

	Source	df	SS	MS	F
(c)	Propper(A)	1	4.5	4.5	36
	Corn(B)	2	15.75	7.875	63
	error	14	1.75	0.125	
	total	17	22.00		

(e)  $p - value = 3.25e - 05 < \alpha = 0.05$ , reject  $H_0$ .

(f)  $p - value = 1e - 07 < \alpha = 0.05$ , reject  $H_0$ .

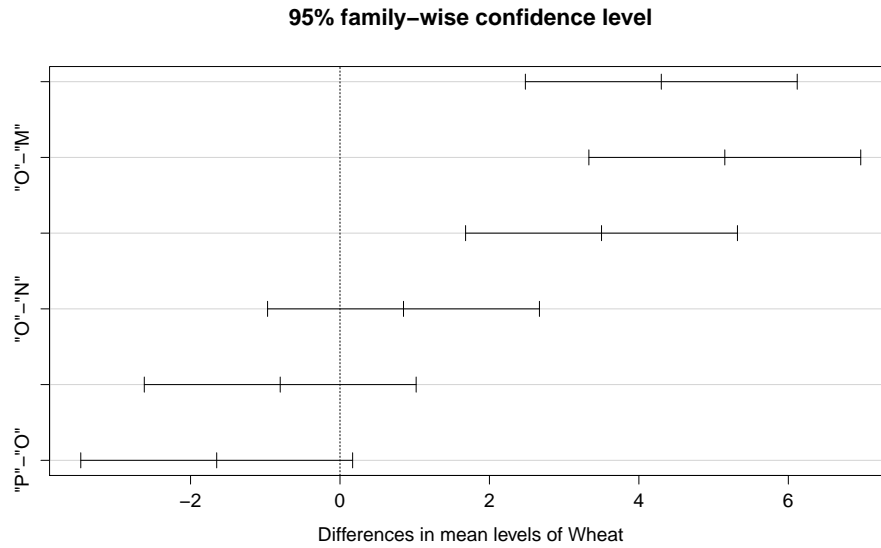


1. No interaction.

2.	Df	Sum Sq	Mean Sq	F value	Pr(>F)
fertilizer	1	18.90	18.904	48.63	3.14e-06 ***
Wheat	3	92.02	30.674	78.90	8.37e-10 ***
fertilizer:Wheat	3	0.22	0.074	0.19	0.902
Residuals	16	6.22	0.389		
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Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1					

3.	Df	Sum Sq	Mean Sq	F value	Pr(>F)
fertilizer	1	18.90	18.904	4.224	0.0519 .
Residuals	22	98.46	4.476		
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Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1					

Reject  $H_0$ . Pairwise comparisons:



4.

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
Wheat	3	92.02	30.674	24.2	7.32e-07 ***
Residuals	20	25.34	1.267		

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Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

Reject  $H_0$ . Pairwise comparisons:

