

This report is for evaluation purposes only.
There are 3 days remaining in your free trial (Expires on 31/12/2025).

Analysis of Variance Report

Dataset C:\Users\crist\Documents\diseño experimental 2\cuakcuaki.NCSS
 Response Rendimiento_kg

Expected Mean Squares

Model Term	DF	Term Fixed?	Denominator Term	Expected Mean Square
A: Variedad	1	Yes	S(ABC)	S+bcsA
B: Fertilizante	2	Yes	S(ABC)	S+acsB
AB	2	Yes	S(ABC)	S+csAB
C: Riego	1	Yes	S(ABC)	S+absC
AC	1	Yes	S(ABC)	S+bsAC
BC	2	Yes	S(ABC)	S+asBC
ABC	2	Yes	S(ABC)	S+sABC
S(ABC)	48	No		S

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Model Term	DF	Sum of Squares	Mean Square	F-Ratio	P-Value
A: Variedad	1	0.006657067	0.006657067	0.2758	0.60187
B: Fertilizante	2	2.282691	1.141345	47.2899	0.00000*
AB	2	0.3918	0.1959	8.1168	0.00092*
C: Riego	1	2.096644	2.096644	86.8712	0.00000*
AC	1	0.03911707	0.03911707	1.6208	0.20912
BC	2	0.1092854	0.05464272	2.2640	0.11492
ABC	2	0.03725423	0.01862712	0.7718	0.46784
S	48	1.158484	0.02413509		
Total (Adjusted)	59	6.121933			
Total	60				

* Term significant at $\alpha = 0.05$

This report is for evaluation purposes only.
There are 3 days remaining in your free trial (Expires on 31/12/2025).

Analysis of Variance Report

Dataset C:\Users\crist\Documents\diseño experimental 2\cuakcuaki.NCSS
 Response Rendimiento_kg

Means and Standard Errors

Term	Count	Mean	Standard Error
All	60	1.859867	
A: Variedad			
A	30	1.849333	0.02836376
B	30	1.8704	0.02836376
B: Fertilizante			
Alto	20	2.12775	0.03473837
Bajo	20	1.7829	0.03473837
Ninguno	20	1.66895	0.03473837
C: Riego			
Alto	30	2.0468	0.02836376
Bajo	30	1.672933	0.02836376
AB: Variedad, Fertilizante			
A, Alto	10	2.2276	0.04912748
A, Bajo	10	1.7428	0.04912748
A, Ninguno	10	1.5776	0.04912748
B, Alto	10	2.0279	0.04912748
B, Bajo	10	1.823	0.04912748
B, Ninguno	10	1.7603	0.04912748
AC: Variedad, Riego			
A, Alto	15	2.010733	0.04011242
A, Bajo	15	1.687933	0.04011242
B, Alto	15	2.082867	0.04011242
B, Bajo	15	1.657933	0.04011242
BC: Fertilizante, Riego			
Alto, Alto	10	2.3633	0.04912748
Alto, Bajo	10	1.8922	0.04912748
Bajo, Alto	10	1.9765	0.04912748
Bajo, Bajo	10	1.5893	0.04912748
Ninguno, Alto	10	1.8006	0.04912748
Ninguno, Bajo	10	1.5373	0.04912748

This report is for evaluation purposes only.
There are 3 days remaining in your free trial (Expires on 31/12/2025).

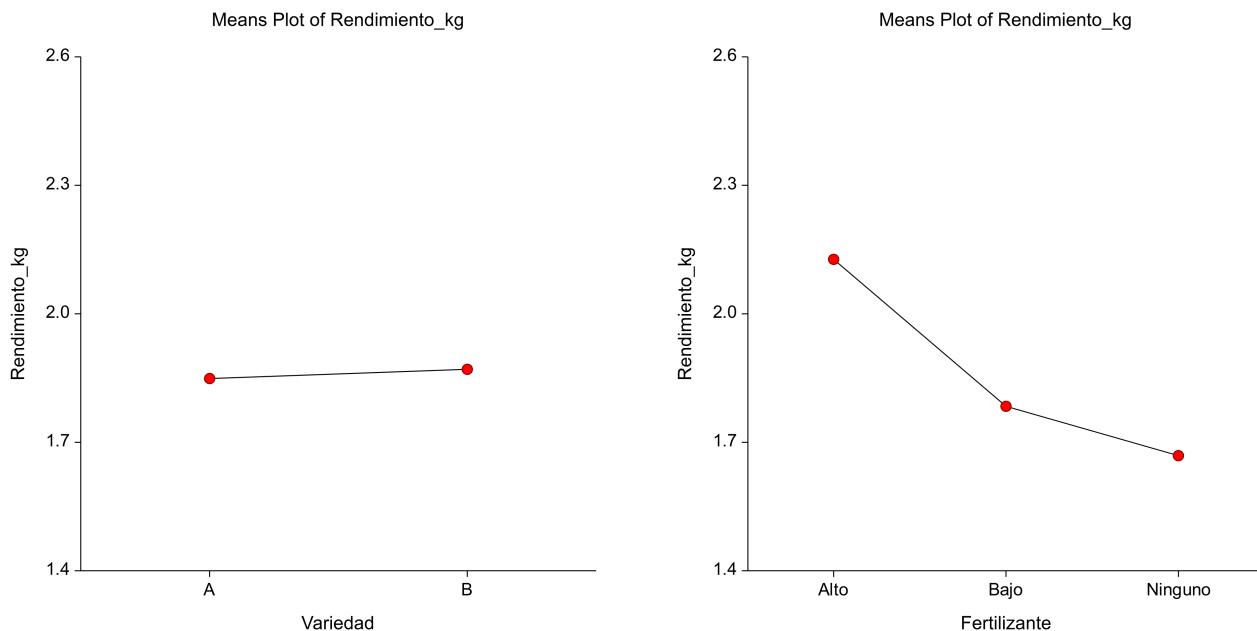
Analysis of Variance Report

Dataset C:\Users\crist\Documents\diseño experimental 2\cuakcuaki.NCSS
 Response Rendimiento_kg

Means and Standard Errors (Continued)

Term	Count	Mean	Standard Error
ABC: Variedad, Fertilizante, Riego			
A, Alto, Alto	5	2.4436	0.06947675
A, Alto, Bajo	5	2.0116	0.06947675
A, Bajo, Alto	5	1.8778	0.06947675
A, Bajo, Bajo	5	1.6078	0.06947675
A, Ninguno, Alto	5	1.7108	0.06947675
A, Ninguno, Bajo	5	1.4444	0.06947675
B, Alto, Alto	5	2.283	0.06947675
B, Alto, Bajo	5	1.7728	0.06947675
B, Bajo, Alto	5	2.0752	0.06947675
B, Bajo, Bajo	5	1.5708	0.06947675
B, Ninguno, Alto	5	1.8904	0.06947675
B, Ninguno, Bajo	5	1.6302	0.06947675

Means Plots

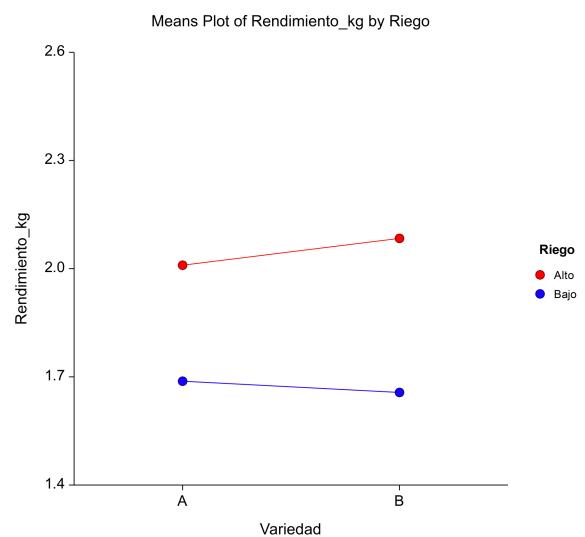
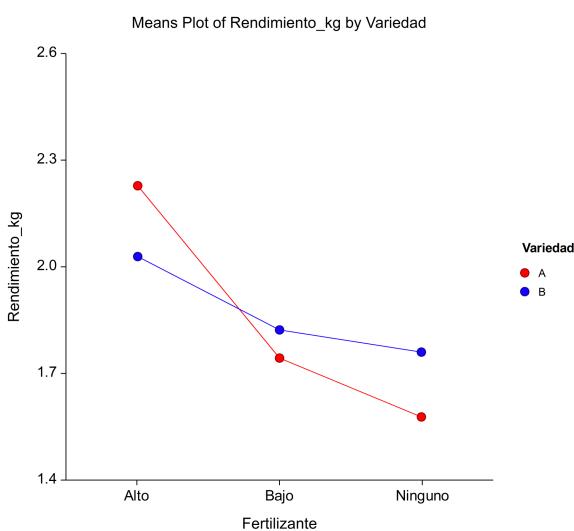
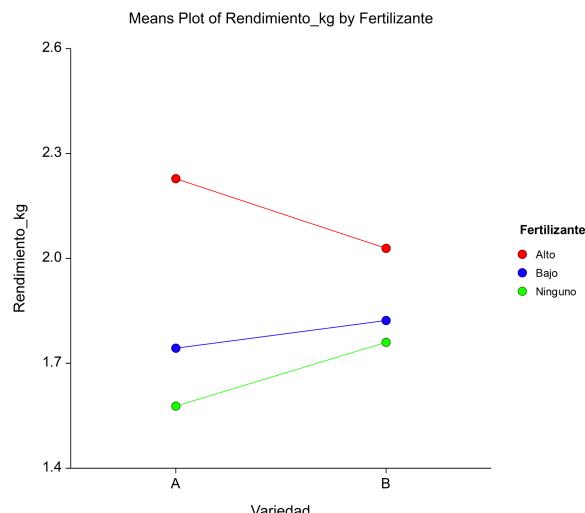
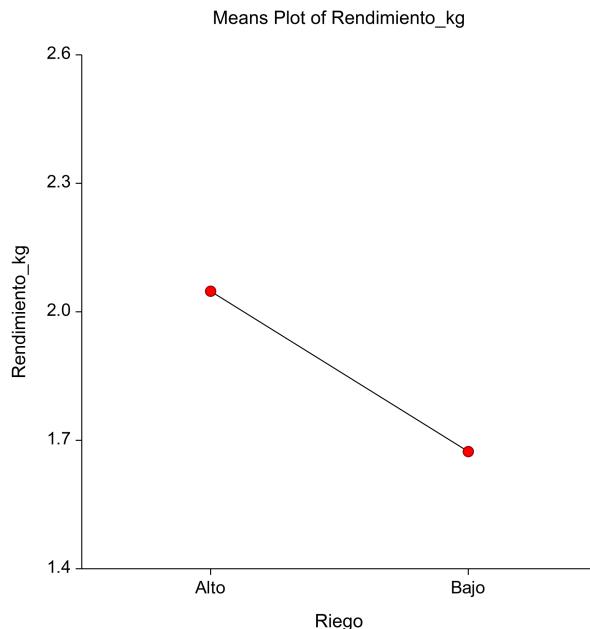


This report is for evaluation purposes only.
There are 3 days remaining in your free trial (Expires on 31/12/2025).

Analysis of Variance Report

Dataset C:\Users\crist\Documents\diseño experimental 2\cuakcuaki.NCSS
Response Rendimiento_kg

Means Plots (Continued)

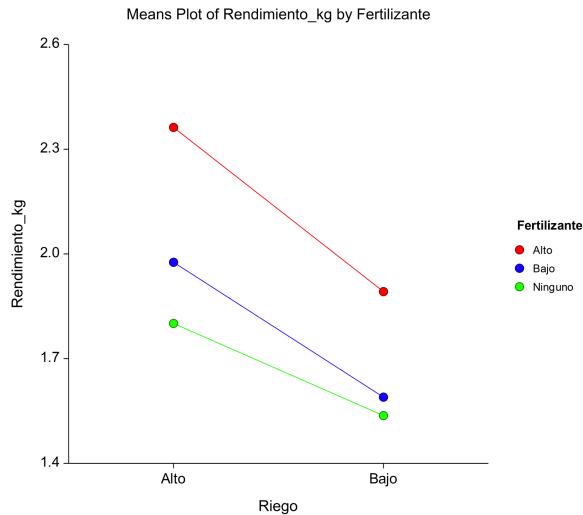
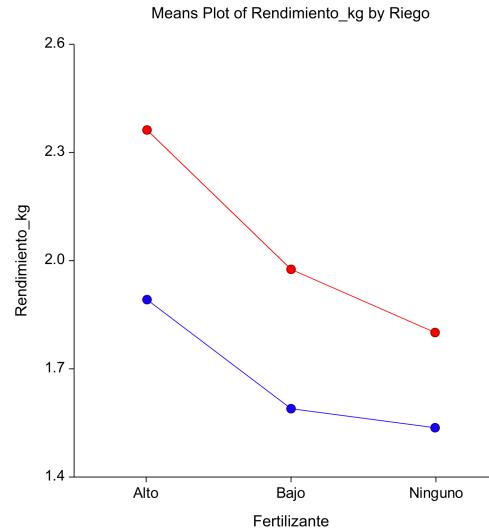
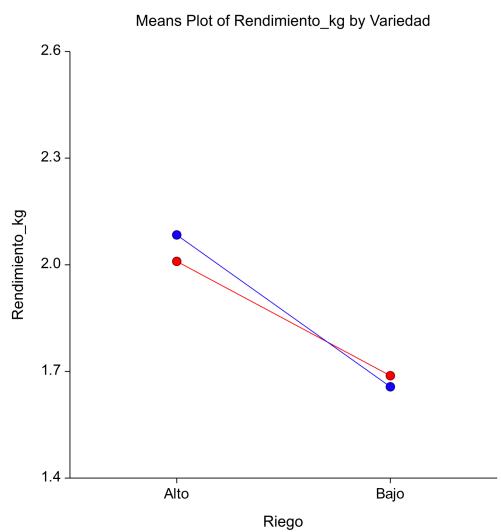


This report is for evaluation purposes only.
There are 3 days remaining in your free trial (Expires on 31/12/2025).

Analysis of Variance Report

Dataset C:\Users\crist\Documents\diseño experimental 2\cuakcuaki.NCSS
Response Rendimiento_kg

Means Plots (Continued)



This report is for evaluation purposes only.
There are 3 days remaining in your free trial (Expires on 31/12/2025).

Analysis of Variance Report

Dataset C:\Users\crist\Documents\diseño experimental 2\cuakcuaki.NCSS
Response Rendimiento_kg

Duncan's Multiple Comparison Test

Comparison Term: A: Variedad

Group	Count	Mean	Different From Groups
A	30	1.849333	
B	30	1.8704	

$\alpha = 0.05$; Error Term = S(ABC); DF = 48; MSE = 0.02413509

Duncan's Multiple Comparison Test

Comparison Term: B: Fertilizante

Group	Count	Mean	Different From Groups
Alto	20	2.12775	Bajo, Ninguno
Bajo	20	1.7829	Alto, Ninguno
Ninguno	20	1.66895	Alto, Bajo

$\alpha = 0.05$; Error Term = S(ABC); DF = 48; MSE = 0.02413509

Duncan's Multiple Comparison Test

Comparison Term: C: Riego

Group	Count	Mean	Different From Groups
Alto	30	2.0468	Bajo
Bajo	30	1.672933	Alto

$\alpha = 0.05$; Error Term = S(ABC); DF = 48; MSE = 0.02413509

This report is for evaluation purposes only.
There are 3 days remaining in your free trial (Expires on 31/12/2025).

Analysis of Variance Report

Dataset C:\Users\crist\Documents\diseño experimental 2\cuakcuaki.NCSS
Response Rendimiento_kg

Procedure Input Settings

Autosaved Settings File

C:\Users\crist\Documents\NCSS 2024\Procedure Settings\Autosave\General Linear Models (GLM) -
Autosaved 2025_12_29-16_18_30.t2

Variables Tab

-- Response Variables -----
Response Variable(s): Rendimiento_kg

-- Covariate Specification -----
Covariate Variable(s): <Empty>

-- Factor Specification -----
Factor Variable 1: Variedad
 Type: Fixed
 Comparisons: None
Factor Variable 2: Fertilizante
 Type: Fixed
 Comparisons: None
Factor Variable 3: Riego
 Type: Fixed
 Comparisons: None
Factor Variable 4: <Empty>
Factor Variable 5: <Empty>
Factor Variable 6: <Empty>
Factor Variable 7: <Empty>
Factor Variable 8: <Empty>
Factor Variable 9: <Empty>
Factor Variable 10: <Empty>

-- Model Specification -----
Which Model Terms: Full Model
Custom Model: A + B + C + AB + AC + BC + ABC
Write model in "Custom Model" field. Do not process data.

Reports Tab

-- Select Reports -----
Expected Means Squares Checked
Analysis of Variance Table Checked
Means and Effects Checked

.. Alpha and Power
Tests Alpha: 0.05
Compute Power Unchecked

This report is for evaluation purposes only.
There are 3 days remaining in your free trial (Expires on 31/12/2025).

Analysis of Variance Report

Dataset C:\Users\crist\Documents\diseño experimental 2\cuakcuakl.NCSS
Response Rendimiento_kg

Procedure Input Settings (Continued)

Reports Tab (Continued)

-- Multiple Comparison Tests (For Fixed Factors Only) -----
Bonferroni Test (All Pairs) Unchecked
Bonferroni Test (vs. Control) Unchecked
Duncan's Test Checked
Dunnett's Two-Sided Test vs. Control Unchecked
Dunnett's Lower One-Sided Test vs. Control Unchecked
Dunnett's Upper One-Sided Test vs. Control Unchecked
Dunnett's Confidence Intervals Unchecked
Fisher's LSD Test Unchecked
Hsu's Multiple Comparisons with the Best Unchecked
Newman-Keuls Test Unchecked
Scheffe's Test Unchecked
Tukey-Kramer Test Unchecked
Tukey-Kramer Confidence Intervals and P-Values Unchecked
Tests for Two-Factor Interactions Unchecked

.. Multiple Comparisons Alpha and Notes
MC Alpha: 0.05
Show Notes Unchecked

Report Options Tab

-- Decimal Places -----
Means and C.I. Limits: Auto (Up to 7)
Error Estimates and Effects: Auto (Up to 7)
P-Values and Power: 5
Test Statistics: 4

Plots Tab

-- Select Plots -----
Means Plot(s) Checked
Y-Axis Scaling: Uniform
