

SUPPLEMENTARY FILES

Production of the previous plot of crop weight of grain: Fallow pasture

Variety /Weight in grains (kg)	Preceding cultural - Fertilizer Fallow / DAP		Preceding cultural - Fertilizer Fallow / Fosfactyl		Preceding cultural - Fertilizer Fallow / Fosfactyl		Preceding cultural - Fertilizer Fallow / DAP	
	V3	2,7	V7	4,8	V4	3,2	V5	4,2
V5	3	V1	5,9	V2	6,9	V7	3,8	
V7	3,7	V6	4,4	V3	3,2	V4	1,8	
V2	7,3	V3	4,9	V5	3,4	V6	5,2	
V6	4,1	V5	6,8	V1	6,2	V3	2,8	
V4	3,8	V2	4,6	V6	5,8	V1	6,3	
V1	5,8	V4	2,2	V7	2,4	V2	5,9	

Production plot preceding crop: Sorghum

Variety / Weight in grains (kg)	Preceding cultural - Fertilizer Sorghum / Fosfactyl		Preceding cultural - Fertilizer Sorghum / DAP		Preceding cultural - Fertilizer Sorghum / DAP		Preceding cultural - Fertilizer Sorghum / Fosfactyl	
	V4	5,9	V3	4,6	V6	6,2	V1	7,7
V2	8,3	V1	6,8	V7	5,9	V5	5,4	
V5	5,4	V6	7,3	V1	7,9	V7	6,2	
V6	6,1	V2	9	V3	4,9	V6	6,5	
V1	7,2	V4	6,1	V5	5,1	V2	10,2	
V3	4,9	V7	5,1	V4	5,1	V3	5,1	
V7	4,4	V5	4,8	V2	7,4	V4	4,8	

Difference in grain yields of previous crops.

Alpha		0.05	
Error Degrees of liberty		26	
Middle Square Error		1.008736	
Critical value of t		2.05553	
Smallest significant difference		0.5518	
Averages with the same letter Are not very different.			
T Groupement	Moyenne	Nb	Prec Cult
A	6.2250	28	Sorgho
B	4.4679	28	Jachère

Difference in grain yields with bottom fertilizers.

Alpha		0.05	
Error Degrees of liberty		2	
Middle Square Error		0.071429	
Critical value of t		4.30265	
Smallest significant difference		0.3073	
Averages with the same letter Are not very different.			
T Grouping	Average	Nb	Engrais
A	5.45714	28	Fosfactyl
A			
A	5.23571	28	DAP

Difference of Yields Between Fertilizers on: Fallow Pasture.

Alpha		0.05	
Error Degrees of liberty		12	
Middle Square Error		0.547857	
Critical value of t		2.17881	
Smallest significant difference		1.1404	
Averages with the same letter Are not very different.			
T Grouping	Average	Nb	variété
A	8.7250	4	V2
B	7.4000	4	V1
C	6.5250	4	V6
C	5.4750	4	V4
C	5.4000	4	V7
D	5.1750	4	V5
D	4.8750	4	V3

Difference of yields with sorghum fertilizers

Alpha		0.05	
Error Degrees of liberty		2	
Middle Square Error		0.228929	
Critical value of t		4.30265	
Smallest significant difference		0.7781	
Averages with the same letter Are not very different.			
T Grouping	Average	Nb	Engrais
A	4.6214	14	Fosfactyl
A			
A	4.3143	14	DAP