

Table2. The grain yield and above-ground biomass (kg ha^{-1}) of maize , soybean, and maize intercropped with soybean for two successive seasons

Rate of N applied (percentage from recommended rate)	Sole Maize	Sole Soybean	Maize +Soybean		% Overyielding of maize	Soybean + Rhizobium	Maize+Soybean + Rhizobium		% Overyielding of maize
			Maize	Soybean			Maize	Soybean	
Grain Yield, Mgha$^{-1}$									
<u>First Season:</u>									
0	1490.34 ^d	511.02 ^c	2280.00 ^d	476.12	53.00	612.23 ^c	3598.00 ^d	580.22	141.48
25%	1774.44 ^c	845.23 ^a	3543.00 ^c	743.98	99.66	1215.88 ^a	3897.98 ^c	1200	119.67
50%	2600.00 ^b	715.21 ^b	4649.98 ^b	612.09	78.85	814.99 ^b	5300.43 ^b	786.99	103.86
100%	5530.09 ^a	832.12 ^a	5580.91 ^a	728.98	0.92	1200.22 ^a	5590.00 ^a	1130.55	1.08
LSD _{0.05}	188.24	98.12	198.56	89.07	-	162.11	205.22	154.09	-
Above-ground biomass, Mgha$^{-1}$									
<u>First Season :</u>									
0	2550.54	1520.23	2900.00	1223.66	13.70	1845.22	3990.87	1665.77	56.47
25%	3480.00	1945.88	5998.08	1523.54	72.36	3654.23	6500.54	3400	86.80
50%	4245.98	1683.25	7000.65	1290.98	64.88	2547.25	7600.43	2354.77	79.03
100%	7900.00	1899.65	7995.00	1521.98	1.20	3612.35	8012.49	3390.98	1.42
LSD _{0.05}	212.35	166.14	198.22	132.87	-	202.11	211.33	188.65	-
Grain Yield, Mgha$^{-1}$									
<u>Second Season:</u>									
0	1510.00	520.12	2315.00	481.65	53.31	618.22	3650.00	576.98	141.72
25%	1800.00	851.11	3580.00	751.65	98.90	1228.00	3927.00	1198	118.17
50%	2670.98	721.32	4677.87	619.08	75.17	820.12	5360.87	795.98	100.75
100%	5765.00	840.12	5893.65	734.11	2.22	1211.00	6012.54	1142.11	4.28
LSD _{0.05}	188.25	99.16	195.98	90.76	-	188.12	201.88	164.11	-
Above-ground biomass, Mgha$^{-1}$									
<u>Second Season :</u>									
0	2598.00	1531.32	2933.00	1225.55	12.89	1855.00	4000.00	1645	53.96
25%	3526.98	1987.22	5620.21	1543.34	59.39	3660.00	6587.00	3389	86.81
50%	4300.00	1700.00	7023.09	1300	63.33	2601.02	7643.98	2366	77.74
100%	7990.65	1915.00	8020.00	1532.23	0.38	3622.00	8043.09	3420	0.66
LSD _{0.05}	218.54	174.12	210.33	122.45	-	213.88	207.54	186.90	-