

Table 4. Means of studied characters for maize as affected by different sequences and different N fertilizer rates during 2012 season

Factors	Legume %	Characters															
		PH (cm)			EGW (g)			HGW (g)			GY (tons/ha)						
		N ₁	N ₂	N ₃	N ₁	N ₂	N ₃	N ₁	N ₂	N ₃	N ₁	N ₂	N ₃				
Crop sequence:																	
1- C	M	F	M	W	40	258.0	268.0	275.0	118.6	122.0	129.0	19.8	20.4	21.7	5.68	5.85	6.02
2- C	M	F	M	F	60	266.0	275.0	280.0	122.3	124.7	126.7	20.3	21.0	21.7	5.75	5.92	6.09
3- C	M	F	M	C	60	274.0	280.0	283.0	125.8	128.9	129.0	20.6	20.7	21.7	5.78	6.02	6.16
4- C	So	F	M	W	60	283.0	291.0	293.0	126.8	128.3	131.0	20.5	21.3	22.1	5.88	6.09	6.32
5- C	So	F	M	F	80	282.0	294.0	295.0	125.0	128.3	134.0	21.0	21.7	22.4	5.84	6.29	6.53
6- C	So	F	M	C	80	282.0	294.0	299.0	128.7	133.7	136.0	21.7	22.9	23.0	5.99	6.46	6.63
7- C	M	F	So	W	60	283.0	289.0	294.0	135.0	138.0	140.7	21.0	22.5	23.1	6.15	6.56	6.67
8- C	M	F	So	F	80	289.0	295.0	299.0	135.6	139.9	143.9	20.5	24.0	24.2	6.18	6.53	6.67
9- C	M	F	So	C	80	291.0	299.0	304.0	134.3	140.3	144.7	22.5	23.5	24.2	6.37	6.61	7.22
10- C	So	F	So	W	80	291.0	305.0	311.0	138.3	143.7	156.3	23.1	24.4	26.1	6.49	6.92	7.21
11- C	So	F	So	F	100	291.0	302.0	307.0	142.3	146.7	155.0	23.6	24.7	25.9	6.63	7.04	7.55
12- C	So	F	So	C	100	303.0	305.0	317.0	143.3	151.7	167.3	24.0	26.5	27.2	6.83	7.28	8.26
L.S.D 0.05						13.6			12.2			1.7			0.39		

Table 5. Means of studied characters for maize as affected by different sequences and different N fertilizer rates during 2013 season

Factors	Legume %	Characters															
		PH (cm)			EGW (g)			HGW (g)			GY (tons/ha)						
		N ₁	N ₂	N ₃	N ₁	N ₂	N ₃	N ₁	N ₂	N ₃	N ₁	N ₂	N ₃				
Crop sequence:																	
1- C	M	F	M	W	40	252.0	262.0	271.0	119.2	122.9	125.7	19.6	20.1	20.5	5.64	5.79	5.92
2- C	M	F	M	F	60	255.0	270.0	273.0	122.7	124.7	130.0	20.1	20.6	20.9	5.81	5.86	5.98
3- C	M	F	M	C	60	267.7	270.0	279.0	123.7	127.0	130.0	20.3	20.7	20.9	5.81	5.93	6.01
4- C	So	F	M	W	60	268.0	280.0	284.0	123.7	125.0	132.7	20.5	20.8	21.4	5.89	6.00	6.18
5- C	So	F	M	F	80	273.0	286.0	291.0	126.7	131.3	136.7	20.6	21.7	21.9	5.98	6.20	6.31
6- C	So	F	M	C	80	277.0	289.0	294.0	127.7	137.3	140.3	21.0	22.4	22.6	6.02	6.40	6.48
7- C	M	F	So	W	60	277.0	283.0	288.0	128.7	133.3	140.2	20.9	21.8	22.1	6.12	6.40	6.38
8- C	M	F	So	F	80	284.0	290.0	294.0	131.7	135.7	145.0	21.4	21.9	23.5	6.20	6.45	6.84
9- C	M	F	So	C	80	285.0	296.0	297.0	136.0	137.7	146.0	22.0	22.2	22.9	6.36	6.50	6.72
10- C	So	F	So	W	80	286.0	296.0	302.0	134.3	144.0	151.7	22.0	23.4	24.2	6.43	6.91	7.06
11- C	So	F	So	F	100	291.0	298.7	309.0	140.7	148.0	154.0	22.9	24.0	24.6	6.66	7.08	7.26
12- C	So	F	So	C	100	291.0	301.7	316.0	144.3	152.7	164.7	23.3	24.8	25.3	6.87	7.18	7.67
L.S.D 0.05						17.3			14.2			1.3			0.35		