

Table 3 Correlation coefficients among important traits in maize varieties under different treatment

Trait	Ear height (cm)	SPAD value	LAI	DIFN	MTA	Plot yield (kg)	Grain moisture content 1 (%)	Cob diameter (cm)	Ear weight (kg)	Seed rate (%)
Plant height (cm)	0.47*	0.48*	0.56**	-0.58**	-0.54**	0.49**	-0.80**	-0.47*	0.01	0.65**
Ear height (cm)		0.02	0.55**	-0.57**	-0.30	0.22	-0.32	0.10	0.41*	0.27
SPAD value			0.05	-0.06	0.00	0.40*	-0.41*	-0.51**	0.12	0.54**
LAI				-0.95**	-0.56**	0.13	-0.39*	-0.01	-0.21	0.12
DIFN					0.59**	-0.17	0.43*	-0.02	0.10	-0.13
MTA						-0.02	0.49**	0.08	0.09	-0.13
Plot yield (kg)							-0.49**	-0.25	0.39*	0.69**
Grain moisture content 1 (%)								0.58**	0.10	-0.81**
Cob diameter (cm)									0.28	-0.70**
Ear weight (kg)										0.18

Note: * and ** indicates significant at the 0.05 and 0.01 probability level