

Table S1. Pearson correlation coefficients of soil properties (macro-nutrients) with 15 years average yield in maize-potato-onion high value based cropping system.

	Maize average yield	Potato average yield	Onion average yield	OC	N	P	K
OC	-0.011	0.213	0.091	1.00	-	-	-
N	0.158	0.409	0.190	0.714	1.00	-	-
P	-0.170	-0.096	-0.017	0.361	0.785	1.00	-
K	-0.275	0.206	-0.281	0.557	0.861	0.785	1.00

Note: OC- Organic carbon, N- Nitrogen, P-Phosphorus, K-Potassium.

Table S2. Pearson correlation coefficients of soil properties (micronutrients) with 15 years average yield in maize-potato-onion high value based cropping system.

	Maize average yield	Potato average yield	Onion average yield	Zn	Cu	Fe	Mn
Zn	0.146	0.233	0.104	1.00	-	-	-
Cu	0.153	0.734	-0.114	0.421	1.00	-	-
Fe	0.337	0.320	0.235	0.0004	0.442		-
Mn	0.325	0.470	0.206	-0.006	0.723	0.770	1.00

Note: Zn- Zinc, Cu- Copper, Fe- Iron and Mn- Manganese.