

Table S1. Detailed N, P and K treatment combinations used for test crop experimentation

Number of treatments'	Treatment combination			Amount of nutrient (kg ha ⁻¹)			FYM (Mg ha ⁻¹)
	N	P ₂ O	K ₂ O	N	P ₂ O ₅	K ₂ O	
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	5
3	0	0	0	0	0	0	10
4	0	2	2	0	60	40	0
5	1	1	1	60	30	20	10
6	1	1	2	60	30	40	0
7	1	2	1	60	60	20	10
8	1	2	2	60	60	40	5
9	2	1	1	120	30	20	10
10	2	0	2	120	0	40	10
11	2	1	2	120	30	40	5
12	2	2	0	120	60	0	5
13	2	2	1	120	60	20	10
14	2	2	2	120	60	40	5
15	2	2	3	120	60	60	10
16	2	3	2	120	90	40	5
17	2	3	3	120	90	60	0
18	3	1	1	180	30	20	0
19	3	2	1	180	60	20	10
20	3	2	2	180	60	40	5
21	3	3	1	180	90	20	5
22	3	3	2	180	90	40	0
23	3	2	3	180	60	60	0
24	3	3	3	180	90	60	0

Number 0, 1, 2 and 3 indicate four levels of N, P and K applied in the experiment.