

Table S1. Effect of preceding crops and NPK as well as biofertilizers on the crude protein percentage of maize straw intercropping with forage cowpea and mixed during 2020 and 2021 seasons

Crude protein percentage (CP%)							
Treatment		CP% of maize straw		CP% of cowpea		CP% of mixed forge	
		2020	2021	2020	2021	2020	2021
Berssem	T1	7.81	7.84	15.32	15.35	9.72	9.79
	T2	7.85	7.90	15.39	15.42	9.83	9.82
	T3	7.52	7.55	15.15	15.17	9.34	9.39
	T4	7.61	7.64	15.20	15.23	9.49	9.48
	T5	7.13	7.17	14.91	14.95	8.99	9.05
S. beet	T1	7.14	7.11	15.11	15.13	9.09	9.07
	T2	7.17	7.09	15.16	15.18	9.11	9.09
	T3	7.06	7.07	14.90	14.92	8.82	8.84
	T4	7.10	7.05	14.98	15.01	8.90	8.87
	T5	6.95	6.91	14.61	14.63	8.68	8.69
Wheat	T1	6.82	6.95	14.65	14.67	8.83	8.91
	T2	6.86	6.93	14.70	14.69	8.92	8.93
	T3	6.57	6.70	14.39	14.40	8.50	8.58
	T4	6.61	6.75	14.43	14.45	8.54	8.60
	T5	6.31	6.42	14.22	14.25	8.25	8.29
L.S.D.at 5%		Ns	0.138	0.053	0.050	0.088	0.065

Table S2. Effect of preceding crops and NPK as well as biofertilizers on the crude fiber percentage of maize straw intercropping with forage cowpea and mixed during 2020 and 2021 seasons

Crude fiber percentage (CF%)							
Treatment		CF% of maize straw		CF% of cowpea		CF% of mixed forge	
		2020	2021	2020	2021	2020	2021
Berssem	T1	38.54	38.17	18.26	17.74	33.35	32.87
	T2	38.47	38.04	18.16	17.55	33.12	32.81
	T3	39.49	38.91	19.30	18.60	34.68	34.77
	T4	39.36	38.77	19.12	18.48	34.36	33.86
	T5	40.73	40.05	20.21	19.68	35.84	35.10
S. beet	T1	40.22	39.99	19.86	19.23	35.30	34.95
	T2	40.09	39.90	19.64	19.19	35.11	34.82
	T3	41.33	41.05	20.91	20.42	36.73	36.41
	T4	41.21	41.01	20.59	19.99	36.51	36.2
	T5	42.39	42.12	21.75	21.22	37.73	37.28
Wheat	T1	42.47	41.96	22.15	21.73	37.26	36.82
	T2	42.32	41.87	22.01	21.33	37.00	36.58
	T3	43.29	43.35	23.09	22.75	38.29	38.32
	T4	43.18	43.26	22.85	22.51	38.22	38.35
	T5	44.44	44.21	24.05	23.33	39.49	39.21
L.S.D.at 5%		Ns	Ns	Ns	0.670	ns	1.020

Table S3. Effect of preceding crops and NPK as well as biofertilizers on the crude ash percentage of maize straw intercropping with forage cowpea and mixed during 2020 and 2021 seasons

Crude ash percentage (CA%)							
Treatment		CA% of maize straw		CA% of cowpea		CA% of mixed forge	
		2020	2021	2020	2021	2020	2021
Berseem	T1	9.83	10.12	16.85	17.25	11.66	11.97
	T2	9.97	10.25	17.02	17.41	11.82	12.08
	T3	8.90	9.08	15.90	16.23	10.59	10.80
	T4	9.09	9.20	16.06	16.43	10.81	10.95
	T5	7.88	8.12	14.87	15.33	9.54	9.87
S. beet	T1	8.85	9.10	16.35	16.50	10.66	10.90
	T2	8.99	9.26	16.41	17.01	10.80	11.16
	T3	7.82	8.15	15.30	15.66	9.51	9.84
	T4	7.89	8.21	15.46	15.84	9.62	9.96
	T5	6.89	7.18	14.38	14.75	8.58	8.93
Wheat	T1	8.08	8.27	15.38	15.36	9.96	10.04
	T2	8.17	8.45	15.62	16.02	10.13	10.40
	T3	7.09	7.32	14.07	14.59	8.82	9.10
	T4	7.14	7.40	14.12	14.77	8.87	9.14
	T5	5.97	6.36	13.36	13.68	7.78	8.11
L.S.D.at 5%		Ns	ns	0.087	0.060	0.131	0.118