

Basic data from mushroom cultivation experiment on four different straws. Replicates are from wheat straw (W), faba bean straw (F), soy bean straw (S) and maize (M). Biological efficiency (BE), biomass conversion rate (BCR) and dry matter transfer to spent mushroom substrate (SMS) are given as percentages of the amount of straw in each replicate at the beginning of the experiment (200 g. DM). The data on the transfer of N and C from straw to SMS is based on the C and N concentrations in the different straws at the beginning of the experiment. vs. the concentrations found in SMS.

Replicate	BE (%)	BCR (%)	Harvest 1 BCR (%)	Harvest 2 BCR (%)	Harvest 3 BCR (%)	Dry matter transfer to SMS (%)	N in SMS (%)	N transfer to SMS (%)	C in SMS (%)	C transfer to SMS (%)
W1	60.21	3.59	2.72	0.87	0.00	84.19	0.50	94.28	43.76	78.24
W2	49.27	3.22	3.22	0.00	0.00	81.99	0.42	76.56	46.28	80.57
W3	76.48	5.36	3.11	2.25	0.69	90.48	0.42	85.50	45.58	87.58
W5	64.09	3.93	2.47	1.46	0.00	74.66	0.37	61.51	46.61	73.89
W6	40.66	2.72	2.72	0.00	0.00	71.99	0.38	61.66	46.15	70.55
W7	70.67	4.57	3.38	1.18	0.00	89.40	0.42	84.40	45.34	86.08
W8	44.53	3.24	3.24	0.00	0.00	82.74	0.49	91.29	45.10	79.24
F1	69.41	5.54	5.54	0.00	0.00	74.59	0.97	64.84	45.68	72.35
F2	70.72	6.57	5.14	1.43	0.00	67.15	1.01	60.89	45.95	65.52
F3	104.84	8.60	6.25	2.35	0.00	66.24	0.98	58.33	46.04	64.77
F4	80.54	7.48	5.90	1.58	0.00	71.89	0.93	59.89	44.96	68.64
F5	60.07	5.69	5.69	0.00	0.00	77.73	0.88	61.20	45.51	75.12
F6	84.37	7.34	4.90	2.45	0.00	66.13	1.02	60.40	45.24	63.53
F7	46.08	3.87	3.87	0.00	0.00	74.68	0.99	65.99	45.51	72.16
F8	91.63	7.84	5.69	2.15	0.00	62.48	0.93	52.29	46.06	61.11
S1	85.58	8.58	6.28	2.30	0.00	70.21	0.61	63.57	43.97	65.47
S2	54.45	5.82	5.82	0.00	0.00	67.16	0.63	63.68	43.57	62.05
S3	95.84	9.15	6.19	2.96	0.00	65.75	0.62	61.41	43.71	60.95
S4	93.51	8.04	6.26	1.78	0.00	69.86	0.67	70.13	43.34	64.21
S5	85.53	7.53	5.90	1.64	0.00	64.50	0.62	59.53	43.94	60.11
S6	107.16	10.22	7.85	2.37	0.00	66.70	0.59	58.72	43.82	61.99
S7	99.32	9.71	7.32	2.39	0.00	65.72	0.59	58.38	44.29	61.74
S8	91.53	9.45	7.08	2.37	0.00	66.61	0.57	56.49	44.65	63.07
M1	110.79	9.56	3.97	5.18	0.41	61.06	0.67	54.63	44.06	57.18
M2	114.76	9.73	3.68	4.93	1.13	65.79	0.74	64.80	43.18	60.38
M3	132.82	10.23	5.36	4.86	1.54	62.18	0.72	59.71	43.82	57.91
M4	99.27	7.42	5.22	2.19	0.00	65.64	0.64	55.85	44.30	61.81
M7	108.71	8.75	5.16	3.60	0.00	61.42	0.68	55.95	44.02	57.47
M8	117.81	9.29	5.25	4.04	2.22	64.23	0.74	63.07	43.34	59.18

