

S.No.	Types of Feedstock	Fixed carbon	Volatile matter	Ash	C	H	O	N	Residence time (min)	Temperature (°C)	Heating rate (°C/min)	Biochar yield (%)
1	Corn cob	18.01	78.71	3.28	48.12	6.48	43.51	1.89	30.00	400.00	15.00	30.80
2	Corn cob	18.01	78.71	3.28	48.12	6.48	43.51	1.89	60.00	400.00	10.00	26.60
3	Corn cob	18.01	78.71	3.28	48.12	6.48	43.51	1.89	90.00	400.00	5.00	26.77
4	Corn cob	18.01	78.71	3.28	48.12	6.48	43.51	1.89	30.00	500.00	15.00	23.57
5	Corn cob	18.01	78.71	3.28	48.12	6.48	43.51	1.89	60.00	500.00	10.00	25.32
6	Corn cob	18.01	78.71	3.28	48.12	6.48	43.51	1.89	90.00	500.00	5.00	25.40
7	Corn cob	18.01	78.71	3.28	48.12	6.48	43.51	1.89	30.00	600.00	15.00	22.37
8	Corn cob	18.01	78.71	3.28	48.12	6.48	43.51	1.89	60.00	600.00	10.00	24.90
9	Corn cob	18.01	78.71	3.28	48.12	6.48	43.51	1.89	90.00	600.00	5.00	24.67
10	Corn cob	18.01	78.71	3.28	48.12	6.48	43.51	1.89	60.00	300.00	15.00	77.30
11	Corn cob	18.01	78.71	3.28	48.12	6.48	43.51	1.89	60.00	400.00	15.00	36.90
12	Corn cob	18.01	78.71	3.28	48.12	6.48	43.51	1.89	60.00	500.00	15.00	23.30
13	Corn cob	18.01	78.71	3.28	48.12	6.48	43.51	1.89	60.00	600.00	15.00	21.70
14	Corn cob	6.54	91.16	2.30	42.10	5.90	NaN	0.50	60.00	300.00	20.00	33.00
15	Corn cob	6.54	91.16	2.30	42.10	5.90	NaN	0.50	60.00	350.00	20.00	25.00
16	Corn cob	6.54	91.16	2.30	42.10	5.90	NaN	0.50	60.00	400.00	20.00	24.30
17	Corn cob	6.54	91.16	2.30	42.10	5.90	NaN	0.50	60.00	450.00	20.00	24.00
18	Corn cob	11.19	87.76	1.05	44.47	5.82	48.88	0.00	60.00	400.00	5.00	34.21
19	Corn cob	11.19	87.76	1.05	44.47	5.82	48.88	0.00	60.00	450.00	5.00	31.89
20	Corn cob	11.19	87.76	1.05	44.47	5.82	48.88	0.00	60.00	500.00	5.00	29.06
21	Corn cob	11.19	87.76	1.05	44.47	5.82	48.88	0.00	60.00	550.00	5.00	27.88
22	Corn cob	11.19	87.76	1.05	44.47	5.82	48.88	0.00	60.00	600.00	5.00	26.12
23	Corn stover	15.38	78.50	6.12	41.00	7.17	33.24	0.99	30.00	300.00	10.00	62.89
24	Corn stover	15.38	78.50	6.12	41.00	7.17	33.24	0.99	30.00	400.00	10.00	41.58
25	Corn stover	15.38	78.50	6.12	41.00	7.17	33.24	0.99	30.00	500.00	10.00	34.79
26	Corn stover	15.38	78.50	6.12	41.00	7.17	33.24	0.99	30.00	600.00	10.00	36.85
27	Corn stover	15.38	78.50	6.12	41.00	7.17	33.24	0.99	30.00	700.00	10.00	32.62
28	Corn stover	8.93	82.21	8.86	43.28	5.92	39.32	1.96	30.00	300.00	10.00	62.73
29	Corn stover	8.93	82.21	8.86	43.28	5.92	39.32	1.96	30.00	350.00	10.00	46.60
30	Corn stover	8.93	82.21	8.86	43.28	5.92	39.32	1.96	30.00	400.00	10.00	41.08
31	Corn stover	8.93	82.21	8.86	43.28	5.92	39.32	1.96	30.00	450.00	10.00	37.79
32	Corn stover	8.93	82.21	8.86	43.28	5.92	39.32	1.96	30.00	500.00	10.00	35.86
33	Corn stover	8.93	82.21	8.86	43.28	5.92	39.32	1.96	30.00	550.00	10.00	35.02
34	Corn stover	8.93	82.21	8.86	43.28	5.92	39.32	1.96	30.00	600.00	10.00	35.79
35	Bagasse	17.40	80.23	2.37	51.71	5.32	42.64	0.33	60.00	500.00	10.00	24.50
36	Cocopeat	23.18	70.24	6.58	61.57	4.37	33.04	1.02	60.00	500.00	10.00	38.70
37	Coconut shell	12.46	83.98	3.56	64.23	6.89	27.61	0.77	1.00	450.00	20.00	32.48
38	Coconut shell	12.46	83.98	3.56	64.23	6.89	27.61	0.77	1.00	475.00	20.00	31.32
39	Coconut shell	12.46	83.98	3.56	64.23	6.89	27.61	0.77	1.00	500.00	20.00	29.38
40	Coconut shell	12.46	83.98	3.56	64.23	6.89	27.61	0.77	1.00	525.00	20.00	29.08
41	Coconut shell	12.46	83.98	3.56	64.23	6.89	27.61	0.77	1.00	550.00	20.00	27.46
42	Coconut shell	12.46	83.98	3.56	64.23	6.89	27.61	0.77	1.00	575.00	20.00	26.98
43	Coconut shell	12.46	83.98	3.56	64.23	6.89	27.61	0.77	1.00	600.00	20.00	25.66
44	Coconut fiber	11.10	80.85	8.05	47.75	5.61	45.51	0.90	20.00	200.00	15.00	83.11
45	Coconut fiber	11.10	80.85	8.05	47.75	5.61	45.51	0.90	20.00	225.00	15.00	80.13
46	Coconut fiber	11.10	80.85	8.05	47.75	5.61	45.51	0.90	20.00	250.00	15.00	69.19
47	Coconut fiber	11.10	80.85	8.05	47.75	5.61	45.51	0.90	20.00	275.00	15.00	63.87
48	Coconut fiber	11.10	80.85	8.05	47.75	5.61	45.51	0.90	20.00	300.00	15.00	55.65
49	Coconut fiber	11.10	80.85	8.05	47.75	5.61	45.51	0.90	20.00	330.00	15.00	50.21
50	Wheat straw	10.29	83.08	6.63	38.34	5.47	NaN	0.60	60.00	300.00	20.00	36.10
51	Wheat straw	10.29	83.08	6.63	38.34	5.47	NaN	0.60	60.00	350.00	20.00	34.60
52	Wheat straw	10.29	83.08	6.63	38.34	5.47	NaN	0.60	60.00	400.00	20.00	34.40
53	Wheat straw	10.29	83.08	6.63	38.34	5.47	NaN	0.60	60.00	450.00	20.00	32.40
54	Wheat straw	15.00	78.44	6.56	41.40	5.60	53.10	0.00	20.00	350.00	5.00	38.90
55	Wheat straw	15.00	78.44	6.56	41.40	5.60	53.10	0.00	20.00	450.00	5.00	31.20
56	Wheat straw	15.00	78.44	6.56	41.40	5.60	53.10	0.00	20.00	550.00	5.00	30.10
57	Wheat straw	15.00	78.44	6.56	41.40	5.60	53.10	0.00	20.00	650.00	5.00	29.50
58	Wheat straw	9.93	80.70	9.37	42.95	5.64	40.51	0.76	30.00	300.00	10.00	69.70
59	Wheat straw	9.93	80.70	9.37	42.95	5.64	40.51	0.76	30.00	350.00	10.00	49.11
60	Wheat straw	9.93	80.70	9.37	42.95	5.64	40.51	0.76	30.00	400.00	10.00	40.13
61	Wheat straw	9.93	80.70	9.37	42.95	5.64	40.51	0.76	30.00	450.00	10.00	37.56
62	Wheat straw	9.93	80.70	9.37	42.95	5.64	40.51	0.76	30.00	500.00	10.00	34.06
63	Wheat straw	9.93	80.70	9.37	42.95	5.64	40.51	0.76	30.00	550.00	10.00	33.52
64	Wheat straw	9.93	80.70	9.37	42.95	5.64	40.51	0.76	30.00	600.00	10.00	33.64
65	Wheat straw	15.12	75.66	9.23	37.83	10.18	36.74	1.31	30.00	300.00	10.00	62.21
66	Wheat straw	15.12	75.66	9.23	37.83	10.18	36.74	1.31	30.00	400.00	10.00	40.00
67	Wheat straw	15.12	75.66	9.23	37.83	10.18	36.74	1.31	30.00	500.00	10.00	36.56
68	Wheat straw	15.12	75.66	9.23	37.83	10.18	36.74	1.31	30.00	600.00	10.00	32.65
69	Wheat straw	15.12	75.66	9.23	37.83	10.18	36.74	1.31	30.00	700.00	10.00	30.98
70	Rice husk	11.44	73.42	15.14	41.92	6.34	NaN	1.85	60.00	300.00	20.00	43.30
71	Rice husk	11.44	73.42	15.14	41.92	6.34	NaN	1.85	60.00	350.00	20.00	37.20
72	Rice husk	11.44	73.42	15.14	41.92	6.34	NaN	1.85	60.00	400.00	20.00	35.30
73	Rice husk	11.44	73.42	15.14	41.92	6.34	NaN	1.85	60.00	450.00	20.00	35.00
74	Rice Straw	6.93	78.07	15.00	36.07	5.20	NaN	0.64	60.00	300.00	20.00	35.10
75	Rice Straw	6.93	78.07	15.00	36.07	5.20	NaN	0.64	60.00	350.00	20.00	35.00
76	Rice Straw	6.93	78.07	15.00	36.07	5.20	NaN	0.64	60.00	400.00	20.00	33.50
77	Rice Straw	6.93	78.07	15.00	36.07	5.20	NaN	0.64	60.00	450.00	20.00	33.10
78	Rice Straw	10.06	76.87	13.07	40.06	5.47	40.23	0.69	30.00	300.00	10.00	74.49
79	Rice Straw	10.06	76.87	13.07	40.06	5.47	40.23	0.69	30.00	350.00	10.00	53.68
80	Rice Straw	10.06	76.87	13.07	40.06	5.47	40.23	0.69	30.00	400.00	10.00	43.73
81	Rice Straw	10.06	76.87	13.07	40.06	5.47	40.23	0.69	30.00	450.00	10.00	39.98
82	Rice Straw	10.06	76.87	13.07	40.06	5.47	40.23	0.69	30.00	500.00	10.00	37.50
83	Rice Straw	10.06	76.87	13.07	40.06	5.47	40.23	0.69	30.00	550.00	10.00	36.64
84	Rice Straw	10.06	76.87	13.07	40.06	5.47	40.23	0.69	30.00	600.00	10.00	35.59
85	Rice Straw	10.16	76.86	12.98	40.06	5.47	40.23	0.69	30.00	300.00	10.00	74.32
86	Rice Straw	10.16	76.86	12.98	40.06	5.47	40.23	0.69	30.00	350.00	10.00	45.39
87	Rice Straw	10.16	76.86	12.98	40.06	5.47	40.23	0.69	30.00	400.00	10.00	43.21
88	Rice Straw	10.16	76.86	12.98	40.06	5.47	40.23	0.69	30.00	450.00	10.00	38.88
89	Rice Straw	10.16	76.86	12.98	40.06	5.47	40.23	0.69	30.00	500.00	10.00	37.21
90	Rice Straw	10.16	76.86	12.98	40.06	5.47	40.23	0.69	30.00	550.00	10.00	36.69
91	Rice Straw	10.16	76.86	12.98	40.06	5.47	40.23	0.69	30.00	600.00	10.00	36.88

92	Rice Straw	13.43	71.94	14.63	38.62	6.10	32.88	1.60	30.00	300.00	10.00	72.32
93	Rice Straw	13.43	71.94	14.63	38.62	6.10	32.88	1.60	30.00	400.00	10.00	44.56
94	Rice Straw	13.43	71.94	14.63	38.62	6.10	32.88	1.60	30.00	500.00	10.00	39.15
95	Rice Straw	13.43	71.94	14.63	38.62	6.10	32.88	1.60	30.00	600.00	10.00	37.89
96	Rice Straw	13.43	71.94	14.63	38.62	6.10	32.88	1.60	30.00	700.00	10.00	36.12
97	Pine	22.31	75.62	2.07	49.50	5.90	44.70	0.00	20.00	350.00	5.00	48.70
98	Pine	22.31	75.62	2.07	49.50	5.90	44.70	0.00	20.00	450.00	5.00	36.60
99	Pine	22.31	75.62	2.07	49.50	5.90	44.70	0.00	20.00	550.00	5.00	33.20
100	Pine	22.31	75.62	2.07	49.50	5.90	44.70	0.00	20.00	650.00	5.00	29.10
101	Pinewood sawdust	16.72	82.75	0.53	49.10	5.55	44.90	0.45	30.00	400.00	20.00	27.02
102	Pinewood sawdust	16.72	82.75	0.53	49.10	5.55	44.90	0.45	30.00	500.00	20.00	25.98
103	Pinewood sawdust	16.72	82.75	0.53	49.10	5.55	44.90	0.45	30.00	600.00	20.00	23.12
104	Pinewood sawdust	16.72	82.75	0.53	49.10	5.55	44.90	0.45	30.00	700.00	20.00	22.08
105	Pinewood sawdust	16.72	82.75	0.53	49.10	5.55	44.90	0.45	30.00	800.00	20.00	20.78
106	Pine wood	13.15	85.45	1.40	48.15	6.70	43.60	1.35	20.00	200.00	15.00	91.00
107	Pine wood	13.15	85.45	1.40	48.15	6.70	43.60	1.35	20.00	225.00	15.00	89.17
108	Pine wood	13.15	85.45	1.40	48.15	6.70	43.60	1.35	20.00	250.00	15.00	79.19
109	Pine wood	13.15	85.45	1.40	48.15	6.70	43.60	1.35	20.00	275.00	15.00	72.00
110	Pine wood	13.15	85.45	1.40	48.15	6.70	43.60	1.35	20.00	300.00	15.00	65.16
111	Pine wood	13.15	85.45	1.40	48.15	6.70	43.60	1.35	20.00	330.00	15.00	61.42
112	Bamboo	16.05	82.72	1.23	50.21	5.63	42.93	1.23	10.00	300.00	10.00	49.30
113	Bamboo	16.05	82.72	1.23	50.21	5.63	42.93	1.23	10.00	400.00	10.00	30.70
114	Bamboo	16.05	82.72	1.23	50.21	5.63	42.93	1.23	10.00	500.00	10.00	26.00
115	Bamboo	16.05	82.72	1.23	50.21	5.63	42.93	1.23	10.00	600.00	10.00	24.30
116	Bamboo	16.05	82.72	1.23	50.21	5.63	42.93	1.23	10.00	700.00	10.00	23.60
117	Bamboo	17.14	81.26	1.60	47.66	6.18	46.01	0.15	60.00	200.00	10.00	95.89
118	Bamboo	17.14	81.26	1.60	47.66	6.18	46.01	0.15	60.00	300.00	10.00	46.67
119	Bamboo	17.14	81.26	1.60	47.66	6.18	46.01	0.15	60.00	400.00	10.00	33.07
120	Bamboo	17.14	81.26	1.60	47.66	6.18	46.01	0.15	60.00	500.00	10.00	29.43
121	Bamboo	17.14	81.26	1.60	47.66	6.18	46.01	0.15	60.00	600.00	10.00	27.84
122	Bamboo	17.14	81.26	1.60	47.66	6.18	46.01	0.15	60.00	700.00	10.00	27.10
123	Bamboo	17.14	81.26	1.60	47.66	6.18	46.01	0.15	60.00	800.00	10.00	26.30
124	Orange Bagasse	22.23	74.94	2.83	43.57	4.40	51.78	0.17	30.00	350.00	25.00	56.71
125	Orange Bagasse	22.23	74.94	2.83	43.57	4.40	51.78	0.17	30.00	375.00	25.00	53.21
126	Orange Bagasse	22.23	74.94	2.83	43.57	4.40	51.78	0.17	30.00	400.00	25.00	50.02
127	Orange Bagasse	22.23	74.94	2.83	43.57	4.40	51.78	0.17	30.00	425.00	25.00	47.23
128	Orange Bagasse	22.23	74.94	2.83	43.57	4.40	51.78	0.17	30.00	450.00	25.00	43.22
129	Orange Bagasse	22.23	74.94	2.83	43.57	4.40	51.78	0.17	30.00	475.00	25.00	38.42
130	Orange Bagasse	22.23	74.94	2.83	43.57	4.40	51.78	0.17	30.00	500.00	25.00	35.98
131	Orange Bagasse	22.23	74.94	2.83	43.57	4.40	51.78	0.17	30.00	525.00	25.00	33.02
132	Orange Bagasse	22.23	74.94	2.83	43.57	4.40	51.78	0.17	30.00	550.00	25.00	30.46
133	Orange Bagasse	22.23	74.94	2.83	43.57	4.40	51.78	0.17	30.00	575.00	25.00	29.32
134	Orange Bagasse	22.23	74.94	2.83	43.57	4.40	51.78	0.17	30.00	600.00	25.00	28.26
135	Orange pomace	27.80	68.20	4.00	42.62	6.36	44.78	2.08	30.00	250.00	5.00	72.10
136	Orange pomace	27.80	68.20	4.00	42.62	6.36	44.78	2.08	30.00	300.00	5.00	51.10
137	Orange pomace	27.80	68.20	4.00	42.62	6.36	44.78	2.08	30.00	350.00	5.00	43.20
138	Orange pomace	27.80	68.20	4.00	42.62	6.36	44.78	2.08	30.00	500.00	5.00	30.60
139	Orange pomace	27.80	68.20	4.00	42.62	6.36	44.78	2.08	30.00	600.00	5.00	27.60
140	Rapeseed oil cake	17.67	75.28	7.05	45.92	6.21	40.09	6.90	30.00	400.00	5.00	38.40
141	Rapeseed oil cake	17.67	75.28	7.05	45.92	6.21	40.09	6.90	30.00	450.00	5.00	34.66
142	Rapeseed oil cake	17.67	75.28	7.05	45.92	6.21	40.09	6.90	30.00	500.00	5.00	33.23
143	Rape stalk	16.12	76.26	7.63	39.70	7.63	38.80	1.13	30.00	300.00	10.00	69.35
144	Rape stalk	16.12	76.26	7.63	39.70	7.63	38.80	1.13	30.00	400.00	10.00	38.66
145	Rape stalk	16.12	76.26	7.63	39.70	7.63	38.80	1.13	30.00	500.00	10.00	33.18
146	Rape stalk	16.12	76.26	7.63	39.70	7.63	38.80	1.13	30.00	600.00	10.00	32.96
147	Rape stalk	16.12	76.26	7.63	39.70	7.63	38.80	1.13	30.00	700.00	10.00	17.68
148	Rape stalk	7.49	86.09	6.42	43.92	5.92	42.54	0.49	30.00	300.00	10.00	68.22
149	Rape stalk	7.49	86.09	6.42	43.92	5.92	42.54	0.49	30.00	350.00	10.00	42.61
150	Rape stalk	7.49	86.09	6.42	43.92	5.92	42.54	0.49	30.00	400.00	10.00	38.29
151	Rape stalk	7.49	86.09	6.42	43.92	5.92	42.54	0.49	30.00	450.00	10.00	35.46
152	Rape stalk	7.49	86.09	6.42	43.92	5.92	42.54	0.49	30.00	500.00	10.00	32.68
153	Rape stalk	7.49	86.09	6.42	43.92	5.92	42.54	0.49	30.00	550.00	10.00	31.92
154	Rape stalk	7.49	86.09	6.42	43.92	5.92	42.54	0.49	30.00	600.00	10.00	32.50
155	Cassava stem	16.07	81.51	2.42	44.47	5.82	48.88	0.01	60.00	400.00	5.00	35.88
156	Cassava stem	16.07	81.51	2.42	44.47	5.82	48.88	0.01	60.00	450.00	5.00	30.51
157	Cassava stem	16.07	81.51	2.42	44.47	5.82	48.88	0.01	60.00	500.00	5.00	26.89
158	Cassava stem	16.07	81.51	2.42	44.47	5.82	48.88	0.01	60.00	550.00	5.00	26.55
159	Cassava stem	16.07	81.51	2.42	44.47	5.82	48.88	0.01	60.00	600.00	5.00	25.98
160	Cassava rhizome	9.08	83.64	7.28	41.78	5.97	51.07	0.26	60.00	400.00	5.00	36.78
161	Cassava rhizome	9.08	83.64	7.28	41.78	5.97	51.07	0.26	60.00	450.00	5.00	33.98
162	Cassava rhizome	9.08	83.64	7.28	41.78	5.97	51.07	0.26	60.00	500.00	5.00	32.08
163	Cassava rhizome	9.08	83.64	7.28	41.78	5.97	51.07	0.26	60.00	550.00	5.00	32.13
164	Cassava rhizome	9.08	83.64	7.28	41.78	5.97	51.07	0.26	60.00	600.00	5.00	30.53
165	Cotton stalk	17.96	77.67	4.38	36.71	7.77	41.55	1.19	30.00	300.00	10.00	75.72
166	Cotton stalk	17.96	77.67	4.38	36.71	7.77	41.55	1.19	30.00	400.00	10.00	42.73
167	Cotton stalk	17.96	77.67	4.38	36.71	7.77	41.55	1.19	30.00	500.00	10.00	39.97
168	Cotton stalk	17.96	77.67	4.38	36.71	7.77	41.55	1.19	30.00	600.00	10.00	36.68
169	Cotton stalk	17.96	77.67	4.38	36.71	7.77	41.55	1.19	30.00	700.00	10.00	33.12
170	Cotton stalk	10.17	82.38	7.45	43.95	5.81	41.12	1.12	30.00	300.00	10.00	72.85
171	Cotton stalk	10.17	82.38	7.45	43.95	5.81	41.12	1.12	30.00	350.00	10.00	50.92
172	Cotton stalk	10.17	82.38	7.45	43.95	5.81	41.12	1.12	30.00	400.00	10.00	42.82
173	Cotton stalk	10.17	82.38	7.45	43.95	5.81	41.12	1.12	30.00	450.00	10.00	36.65
174	Cotton stalk	10.17	82.38	7.45	43.95	5.81	41.12	1.12	30.00	500.00	10.00	34.98
175	Cotton stalk	10.17	82.38	7.45	43.95	5.81	41.12	1.12	30.00	550.00	10.00	35.96
176	Cotton stalk	10.17	82.38	7.45	43.95	5.81	41.12	1.12	30.00	600.00	10.00	35.67
177	Cotton stalk	9.98	82.63	7.39	43.95	5.81	41.12	1.12	30.00	300.00	10.00	73.82
178	Cotton stalk	9.98	82.63	7.39	43.95	5.81	41.12	1.12	30.00	350.00	10.00	45.72
179	Cotton stalk	9.98	82.63	7.39	43.95	5.81	41.12	1.12	30.00	400.00	10.00	40.52
180	Cotton stalk	9.98	82.63	7.39	43.95	5.81	41.12	1.12	30.00	450.00	10.00	38.32
181	Cotton stalk	9.98	82.63	7.39	43.95	5.81	41.12	1.12	30.00	500.00	10.00	36.01
182	Cotton stalk	9.98	82.63	7.39	43.95	5.81	41.12	1.12	30.00	550.00	10.00	34.98
183	Cotton stalk	9.98	82.63	7.39	43.95	5.81	41.12	1.12	30.00	600.00	10.00	35.89

184	Cotton stalk	10.17	82.38	7.45	43.95	5.81	41.12	1.12	90.00	400.00	20.00	42.45
185	Cotton stalk	10.17	82.38	7.45	43.95	5.81	41.12	1.12	60.00	400.00	5.00	48.89
186	Cotton stalk	10.17	82.38	7.45	43.95	5.81	41.12	1.12	30.00	400.00	10.00	42.82
187	Cotton stalk	10.17	82.38	7.45	43.95	5.81	41.12	1.12	90.00	600.00	5.00	35.33
188	Cotton stalk	10.17	82.38	7.45	43.95	5.81	41.12	1.12	60.00	600.00	20.00	34.17
189	Cotton stalk	10.17	82.38	7.45	43.95	5.81	41.12	1.12	30.00	600.00	15.00	32.59
190	Cotton stalk	10.17	82.38	7.45	43.95	5.81	41.12	1.12	90.00	300.00	10.00	56.34
191	Cotton stalk	10.17	82.38	7.45	43.95	5.81	41.12	1.12	60.00	300.00	15.00	68.68
192	Cotton stalk	10.17	82.38	7.45	43.95	5.81	41.12	1.12	30.00	300.00	20.00	71.28
193	Cotton stalk	10.17	82.38	7.45	43.95	5.81	41.12	1.12	90.00	500.00	15.00	36.28
194	Cotton stalk	10.17	82.38	7.45	43.95	5.81	41.12	1.12	60.00	500.00	10.00	37.21
195	Cotton stalk	10.17	82.38	7.45	43.95	5.81	41.12	1.12	30.00	500.00	5.00	36.34
196	Palm kernel shell	20.32	75.82	3.86	55.82	5.62	37.73	0.84	60.00	500.00	10.00	32.20
197	Wood stem	11.73	87.83	0.44	50.52	5.81	43.44	0.23	60.00	500.00	10.00	22.30
198	Wood bark	18.00	76.56	5.44	53.42	6.12	39.06	1.40	60.00	500.00	10.00	31.90
199	Agro food waste	5.59	84.56	9.86	40.80	4.10	42.00	3.90	30.00	300.00	5.00	52.30
200	Agro-food waste	5.59	84.56	9.86	40.80	4.10	42.00	3.90	30.00	400.00	5.00	33.80
201	Agro-food waste	5.59	84.56	9.86	40.80	4.10	42.00	3.90	30.00	500.00	5.00	32.60
202	Agro-food waste	5.59	84.56	9.86	40.80	4.10	42.00	3.90	30.00	600.00	5.00	30.30
203	Agro-food waste	5.59	84.56	9.86	40.80	4.10	42.00	3.90	40.00	600.00	5.00	29.20
204	Agro-food waste	5.59	84.56	9.86	40.80	4.10	42.00	3.90	50.00	600.00	5.00	28.80
205	Agro-food waste	5.59	84.56	9.86	40.80	4.10	42.00	3.90	60.00	600.00	5.00	28.40
206	Agro-food waste	5.59	84.56	9.86	40.80	4.10	42.00	3.90	60.00	600.00	10.00	27.70
207	Agro-food waste	5.59	84.56	9.86	40.80	4.10	42.00	3.90	60.00	600.00	15.00	24.80
208	Agro-food waste	5.59	84.56	9.86	40.80	4.10	42.00	3.90	60.00	600.00	20.00	23.10
209	Canola hull	4.33	85.71	9.96	42.50	5.10	40.50	2.20	60.00	600.00	5.00	28.80
210	Oat hull	7.22	87.05	5.73	43.20	5.50	45.70	0.20	60.00	600.00	5.00	29.10
211	Straw pallet	15.32	77.28	7.41	42.00	5.50	44.90	0.10	10.00	350.00	5.00	42.10
212	Straw pallet	15.32	77.28	7.41	42.00	5.50	44.90	0.10	10.00	650.00	5.00	31.20
213	Vine pruning	24.80	70.90	4.30	40.86	5.27	48.07	1.03	30.00	250.00	5.00	71.20
214	Vine pruning	24.80	70.90	4.30	40.86	5.27	48.07	1.03	30.00	300.00	5.00	58.60
215	Vine pruning	24.80	70.90	4.30	40.86	5.27	48.07	1.03	30.00	350.00	5.00	41.20
216	Vine pruning	24.80	70.90	4.30	40.86	5.27	48.07	1.03	30.00	500.00	5.00	33.50
217	Vine pruning	24.80	70.90	4.30	40.86	5.27	48.07	1.03	30.00	600.00	5.00	29.60
218	Poultry litter	23.50	68.30	8.20	35.70	5.27	40.98	9.61	30.00	250.00	5.00	65.10
219	Poultry litter	23.50	68.30	8.20	35.70	5.27	40.98	9.61	30.00	300.00	5.00	49.80
220	Poultry litter	23.50	68.30	8.20	35.70	5.27	40.98	9.61	30.00	350.00	5.00	40.50
221	Poultry litter	23.50	68.30	8.20	35.70	5.27	40.98	9.61	30.00	500.00	5.00	33.30
222	Poultry litter	23.50	68.30	8.20	35.70	5.27	40.98	9.61	30.00	600.00	5.00	31.10
223	hinoki cypress	15.09	84.75	0.16	51.88	6.21	41.76	0.16	60.00	350.00	10.00	32.70
224	hinoki cypress	15.09	84.75	0.16	51.88	6.21	41.76	0.16	60.00	400.00	10.00	27.90
225	hinoki cypress	15.09	84.75	0.16	51.88	6.21	41.76	0.16	60.00	500.00	10.00	23.30
226	hinoki cypress	15.09	84.75	0.16	51.88	6.21	41.76	0.16	60.00	600.00	10.00	20.70