

	detailed_name	order_rank_1
1	Control	1
2	on row sowing with no amendments	2
3	SE14 (wetter) banded 8cm	3
4	Bi Agra (wetter) surface and banded 8cm	4
5	lucerne applied surface	5
6	chicken litter applied surface	6
7	chicken litter at 2.5t/ha applied surface in years 2018, 2019, 2020	7
8	chicken litter at 3t/ha incorporated 8cm	8
9	chicken litter at 5t/ha incorporated 8cm	9
10	chicken litter at 5t/ha incorporated 8cm and fertiliser applied at surface	10
11	chicken litter at 5t/ha and clay incorporated 8cm	11
12	chicken litter at 5t/ha and fertiliser and clay incorporated 8cm	12
13	chicken litter at 7.5t/ha applied surface	13
14	chicken litter at 20t/ha incorporated 8cm	14
15	chicken litter at 20t/ha and fertiliser applied at surface	15
16	chicken litter at 20t/ha and clay incorporated 8cm	16
17	chicken litter at 20t/ha and fertiliser and clay incorporated 8cm	17
18	fertiliser applied to foliar	18
19	fertiliser applied surface	19
20	growers standard fertiliser to surface with no additional amendments	19
21	fertiliser incorporated 8cm	21
22	fertiliser banded 8cm	22
23	potassium applied surface	23
24	fertiliser banded 30cm	24
25	fertiliser and clay incorporated 8cm	25
26	fertiliser banded 30cm and clay incorporated 10cm	26
27	clay incorporated 8cm	27
28	clay incorporated 10cm	28
29	Pre drill to depth 20cm with growers standard fertiliser to 7.5cm with no additional amendments	29
30	Pre drill to depth 20cm with growers standard fertiliser to 7.5cm with no additional amendments annually	30
31	Pre drill to depth 20cm with growers standard fertiliser to 20cm with no additional amendments	31
32	Pre drill to depth 20cm with growers standard fertiliser to 20cm with no additional amendments performed annually	32
33	Pre drill to depth 20cm with growers standard fertiliser to 20cm with fertiliser banded at 20cm	33
34	Pre drill to depth 20cm with growers standard fertiliser to 20cm with fertiliser banded at 20cm annually	34
35	spade 30cm with no amendments	35
36	spade 30cm with lucerne at 1t/ha incorporated 30cm	36
37	spade 30cm with lucerne at 2t/ha incorporated 30cm	37
38	spade 30cm with lucerne at 4t/ha incorporated 30cm	38
39	spade 30cm with lucerne at 6t/ha incorporated 30cm	39
40	spade 30cm with lucerne at 8t/ha incorporated 30cm	40

	detailed_name	order_rank_1
41	spade 30cm with lucerne at 10t/ha incorporated 30cm	41
42	spade 30cm with lucerne at 15t/ha incorporated 30cm	42
43	spade 30cm with lucerne at 20t/ha incorporated 30cm	43
44	spade 30cm with lucerne at 1t/ha incorporated 30cm and potassium applied at surface	44
45	spade 30cm with lucerne at 2t/ha incorporated 30cm and potassium applied at surface	45
46	spade 30cm with lucerne at 4t/ha incorporated 30cm and potassium applied at surface	46
47	spade 30cm with lucerne at 6t/ha incorporated 30cm and potassium applied at surface	47
48	spade 30cm with lucerne at 8t/ha incorporated 30cm and potassium applied at surface	48
49	spade 30cm with lucerne at 10t/ha incorporated 30cm and potassium applied at surface	49
50	spade 30cm with lucerne at 15t/ha incorporated 30cm and potassium applied at surface	50
51	spade 30cm with lucerne at 20t/ha incorporated 30cm and potassium applied at surface	51
52	spade 30cm with lucerne incorporated 30cm	52
53	spade 30cm with lucerne and fertiliser incorporated 30cm	53
54	spade 30cm with lucerne and clay incorporated 30cm	54
55	spade 30cm with ulcerous and fertiliser and clay incorporated 30cm	55
56	spade 30cm with chicken litter incorporated 30cm	56
57	spade 30cm with chicken litter and gypsum incorporated 30cm	57
58	spade 30cm with fertiliser and clay incorporated 30cm	58
59	spade 30cm with compost incorporated 30cm	59
60	spade 30cm with cereal incorporated 30cm	60
61	spade 30cm with vetch incorporated 30cm	61
62	spade 30cm with vetch and cereal incorporated 30cm	62
63	spade 30cm with vetch and cereal and inoculant incorporated 30cm	63
64	spade 30cm with potassium applied at surface	64
65	spade 30cm with fertiliser incorporated 30cm	65
66	spade 30cm with fertiliser and potassium incorporated 30cm	66
67	spade 30cm with clay at 250t/ha	67
68	spade 30cm with clay at 250t/ha in years 2007 and 2020	68
69	spade 30cm with clay incorporated 30cm	69
70	spade 30cm with gypsum incorporated 30cm	70
71	Ripping to 30cm with no amendments	71
72	Ripping to 35cm with no amendments	72
73	Ripping to 30cm with chicken litter applied at surface	73
74	Ripping to 30cm with chicken litter @ 7.5t/ha applied at surface	74
75	Ripping to 30cm with chicken litter banded at 30cm	75
76	Ripping to 30cm with chicken litter @ 7.5t/ha banded at 30cm	76
77	Ripping to 30cm with lucerne incorporated 30cm	77
78	Ripping to 30cm with lucerne banded 30cm	78
79	Ripping to 30cm with fertiliser applied at surface	79
80	Ripping to 30cm with fertiliser incorporated 30cm	80

	detailed_name	order_rank_1
81	Ripping to 30cm with fertiliser banded at 8cm	81
82	Ripping to 30cm with fertiliser banded at 30cm	82
83	Ripping to 30cm and inclusion with no amendments	83
84	Ripping to 30cm and 60cm with no amendments	84
85	Ripping to 30cm and inclusion with Gypsum incorporated 30cm	85
86	Ripping to 30cm and 60cm with lucerne banded 30cm and 60cm	86
87	Ripping to 30cm with growers standard fertiliser to 7.5cm with no amendments	87
88	Ripping to 30cm with growers standard fertiliser to 7.5cm with no amendments annually	88
89	Ripping to 30cm and 30cm with no amendments annually	89
90	Ripping to 30cm with growers standard fertiliser to 30cm with no amendments annually	90
91	Ripping to 30cm with growers standard fertiliser to 30cm with fertiliser banded 30cm	91
92	Ripping to 30cm with growers standard fertiliser to 30cm with fertiliser banded 30cm annually	92
93	sweep 30cm with no amendments	93
94	sweep 30cm with chicken litter at 3t/ha incorporated 30cm	94
95	sweep 30cm with chicken litter at 6t/ha incorporated 30cm	95
96	sweep 30cm with chicken litter at 9t/ha incorporated 30cm	96
97	sweep 30cm with chicken litter at 9t/ha incorporated 30cm applied 2017, 2018, 2019	97
98	sweep 30cm with lime incorporated 30cm	98
99	sweep 30cm with chicken litter at 3t/ha incorporated 30cm and lime incorporated 8cm	99
100	Ripping to 40cm with no amendments	100
101	Ripping to 40cm and inclusion with no amendments	101
102	Ripping to 40cm and inclusion with chicken litter incorporated 40cm	103
103	Ripping to 40cm with lucerne incorporated 40cm	104
104	Ripping to 40cm with fertiliser incorporated 40cm	105
105	Ripping to 45cm with no amendments	106
106	Ripping to 45cm and inclusion with no amendments	107
107	Ripping to 45cm and inclusion and spading 30cm with no amendments	108
108	Ripping to 45cm and inclusion with fertiliser banded 45cm	109
109	Ripping to 45cm and inclusion with fertiliser (low rate) banded 45cm	110
110	Ripping to 45cm and inclusion with fertiliser (high rate) banded 45cm	111
111	Ripping to 45cm and inclusion with fertiliser (app) banded 45cm	112
112	Ripping to 50cm with no amendments	113
113	Ripping to 50cm with chicken litter applied surface	114
114	Ripping to 50cm with chicken litter at 2.5t/ha applied at surface in years 2018, 2019, 2020	115
115	Ripping to 50cm with chicken litter at 7.5t/ha applied at surface	116
116	Ripping to 50cm with chicken litter at 5t/ha incorporated 20 cm	117
117	Ripping to 50cm with chicken litter at 7.5t/ha banded 50cm	118
118	Ripping to 50cm with chicken litter at 20t/ha incorporated 20 cm	119
119	Ripping to 50cm with chicken litter at 5t/ha incorporated 20 cm and fertiliser applied at surface	120
120	Ripping to 50cm with chicken litter at 5t/ha incorporated 20 cm and clay incorporated 20cm	121

	detailed_name	order_rank_1
121	Ripping to 50cm with chicken litter at 5t/ha incorporated 20 cm and fertiliser applied at surface and clay incorporated 20cm	122
122	Ripping to 50cm with chicken litter at 20t/ha incorporated 20 cm and fertiliser applied at surface	123
123	Ripping to 50cm with chicken litter at 20t/ha incorporated 20 cm and clay incorporated 20cm	124
124	Ripping to 50cm with chicken litter at 20t/ha incorporated 20 cm and fertiliser applied at surface and clay incorporated 20cm	125
125	Ripping to 50cm with fertiliser applied at surface	126
126	Ripping to 50cm with clay incorporated 20cm	127
127	Ripping to 50cm with fertiliser applied at surface and clay incorporated 20cm	128
128	Ripping to 50cm and spading 30cm with no amendments	129
129	Ripping to 50cm and inclusion with no amendments	130
130	Ripping to 50cm and inclusion with chicken litter applied surface	132
131	Ripping to 50cm and inclusion with chicken litter incorporated 50cm	133
132	Ripping to 60cm with no amendments	134
133	Ripping to 60cm with chicken litter applied at surface	135
134	Ripping to 60cm with chicken litter banded 60cm	136
135	Ripping to 60cm with lucerne banded 60cm	138
136	Ripping to 60cm with fertiliser banded 8cm	139
137	Ripping to 60cm with fertiliser banded 60cm	140
138	Ripping to 30cm and spading 30cm with no amendments	141
139	Ripping to 60cm and spading 30cm with lucerne incorporated 30cm and banded 60cm	143
140	Ripping to 60cm and inclusion with no amendments	144
141	Ripping to 60cm and inclusion and spading 30cm with no amendments	145
142	deep tillage 18cm with no amendments	146
143	deep tillage 18cm with SE14 (wetter) banded 8cm	147
144	Disc inversion to 30cm with no amendments	148