Phil's #ing system

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2016-- SPOONER, WI, PLOT DATA + FIELD CORE DATA & PLOT MAPS

sample ID	Kelling Plot ID	Target pH	Actual pH	buffer pH	OM%	P	K
1	101	4.7	4.2	6.3	1.4	28	48
7	201	4.7	4.2	6.2	1.9	24	106
15	301	4.7	4.1	6.2	1.5	27	89
17	401	4.7	4	6.3	1.4	24	66
2	102	5.2	4.5	6.3	1.8	18	86
10	202	5.2	5	6.5	1.8	29	106
14	302	5.2	4.7	6.5	1.4	20	88
19	402	5.2	4.3	6.5	1	17	63
4	103	5.7	4.8	6.6	1.6	13	81
8	203	5.7	4.9	6.6	1.5	13	69
13	303	5.7	5.5	6.8	1.5	15	88
16	403	5.7	5.2	6.8	1.3	16	78
3	104	6.2	5.9	6.9	1.7	18	107
6	204	6.2	5.7	6.9	1.9	13	107
11	304	6.2	5.8	6.9	1.6	17	95
20	404	6.2	5.8	6.9	1.3	11	68
5	105	6.7	6.4	7.1	1.5	9	88
9	205	6.7	6.3	7.1	1.6	12	106
12	305	6.7	6.5	7.2	1.5	16	91
18	405	6.7	6.4	6.1	1.2	11	90

11/3/17 sample. kelling (Big Bag) from final combine

See Maps

Bag #	Plot ID	High Depth (cm)	Low Depth (cm)	Core #	Location
3	1.101	0	5	1	45
204	1.101	5	10	1	45
205	1.101	10	15	1	45
206	1.101	15	20	1	45
70	1.101	20	24	1	45
73	1.101	0	5	2	46.8
1	1.101	5	10	2	46.8
202	1.101	10	15	2	46.8
203	1.101	15	20	2	46.8
195	1.101	20	23	2	46.8
199	1.101	0	5	3	34.1
200	1.101	5	10	3	34.1
198	1.101	10	15	3	34.1
201	1.101	15	20	3	34.1
197	1.101	20	25	3	34.1
196	2.102	0	5	4	27.3
126	2.102	5	10	4	27.3
193	2.102	10	15	4	27.3

Bag #	Plot ID	High Depth (cm)	Low Depth (cm)	Core #	Location
151	2.102	15	20	4	27.3
194	2.102	20	22	4	27.3
127	2.102	0	5	5	21.5
149	2.102	5	10	5	21.5
147	2.102	10	15	5	21.5
63	2.102	15	20	5	21.5
65	2.102	20	25 ①	5	21.5
64	2.102	0	5	6	6.4
22	2.102	5	10	6	6.4
38	2.102	10	15	6	6.4
39	2.102	15	20	6	6.4
59	3.104	0	5	7	25.3
62	3.104	5	10	7	25.3
60	3.104	10	15	7	25.3
61	3.104	15	20	7	25.3
148	3.104	20	25	7	25.3
152	3.104	25	30	7	25.3
146	3.104	30	37 ②	7	25.3
145	3.104	0	5	8	10.7
95	3.104	5	10	8	10.7
96	3.104	10	15	8	10.7
97	3.104	15	20	8	10.7
98	3.104	20	25	8	10.7
123	3.104	25	30	8	10.7
125	3.104	0	5	9	27.6
122	3.104	5	10	9	27.6
124	3.104	10	15	9	27.6
136	3.104	15	20	9	27.6
137	3.104	20	25	9	27.6
144	3.104	25	29	9	27.6
131	4.103	0	5	10	3.4
129	4.103	5	10	10	3.4
93	4.103	10	15	10	3.4
92	4.103	15	20	10	3.4
94	4.103	20	25	10	3.4
132	4.103	0	5	11	17.2
69	4.103	5	10	11	17.2
21	4.103	10	15	11	17.2
85	4.103	15	20	11	17.2
66	4.103	20	25	11	17.2
86	4.103	25	30	11	17.2
41	4.103	0	5	12	3.8

① color Δ ~26 cm depth

② section had a bisequal inclusion (red to dark to red)

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Bag #	Plot ID	High Depth (cm)	Low Depth (cm)	Core #	Location
56	4.103	5	10	12	3.8
57	4.103	10	15	12	3.8
40	4.103	15	20	12	3.8
67	4.103	20	25	12	3.8
45	5.105	0	5	13	39.8
68	5.105	5	10	13	39.8
41	5.105	10	15	13	39.8
71	5.105	15	20	13	39.8
27	5.105	20	25	13	39.8
27	5.105	25	28	13	39.8
42	5.105	0	5	14	20.4 ①
47	5.105	5	10	14	20.4
48	5.105	10	15	14	20.4
55	5.105	15	20	14	20.4
99	5.105	0	5	15	3.4
53	5.105	5	10	15	3.4
54	5.105	10	15	15	3.4
58	5.105	15	20	15	3.4
82	6.204	0	5	16	16.2
84	6.204	5	10	16	16.2
50	6.204	10	15	16	16.2
91	6.204	0	5	17	27.8
51	6.204	5	10	17	27.8
49	6.204	10	15	17	27.8
90	6.204	15	20	17	27.8
89	6.204	20	25	17	27.8
26	6.204	0	5	18	9
28	6.204	5	10	18	9
31	6.204	10	15	18	9
32	6.204	15	20	18	9
29	7.201	0	5	19	1.8
33	7.201	5	10	19	1.8
19	7.201	10	15	19	1.8
18	7.201	15	20	19	1.8
25	7.201	0	5	20	18
34	7.201	5	10	20	18
24	7.201	10	15	20	18
23	7.201	15	20	20	18
30	7.201	0	5	21	22.3 ②
20	7.201	5	10	21	22.3
35	7.201	10	13	21	22.3
17	8.203	0	5	22	16.3

① located right on bean-planting line

② lots of gravel in this section

Bag #	Plot ID	High Depth (cm)	Low Depth (cm)	Core #	Location
36	8.203	5	10	22	16.3 ①
72	8.203	10	15	22	16.3
52	8.203	15	20	22	16.3
77	8.203	0	5	23	18.6
14	8.203	5	10	23	18.6
75	8.203	10	15	23	18.6
11	8.203	15	20	23	18.6
78	8.203	0	5	24	14.9
15	8.203	5	10	24	14.9
13	8.203	10	15	24	14.9
12	8.203	15	20	24	14.9
10	9.205	0	5	25	13.4
43	9.205	5	10	25	13.4
44	9.205	10	15	25	13.4
76	9.205	0	5	26	8.9
100	9.205	5	10	26	8.9
102	9.205	10	15	26	8.9
88	9.205	15	20	26	8.9
83	9.205	0	5	27	23.1
81	9.205	5	10	27	23
113	9.205	10	15	27	23.1
79	10.202	0	5	28	45.6
80	10.202	5	10	28	45.6
106	10.202	10	15	28	45.6
107	10.202	15	20	28	45.6
119	10.202	0	5	29	43.7
134	10.202	5	10	29	43.7
128	10.202	10	15	29	43.7
120	10.202	0	5	30	47.7
111	10.202	5	10	30	47.7
135	10.202	10	15	30	47.7
108	10.202	15	20	30	47.7
333	11.304	0	20	31	46.5
359	11.304	0	16	32	39.4
360	11.304	0	20	33	11.5
358	12.305	0	16	34	43.7
357	12.305		18	35	44.7
356	12.305		20	36	44.6
355	13.303		20	37	4.3
354	13.303		20	38	44.8
353	13.303		19	39	37.1

① charcoal observed in soil core

Bag #	Plot ID	High Depth (cm)	Low Depth (cm)	Core #	Location
351	14.302	0	17	40	30.6
350	14.302	0	18	41	8.8
319	14.302	0	20	42	3.6
320	15.301	0	18	43	26.2
349	15.301	0	17	44	9.4
321	15.301		20	45	16.7
322	16.403		20	46	3.1
323	16.403		17	47	6.3
324	16.403		20	48	49.8
325	17.401		20	49	44.4
326	17.401		18	50	14.5
327	17.401		18	51	10.7
328	18.405		19	52	6.3
329	18.405		19	53	3.9
330	18.405		20	54	27.7
331	19.402		20	55	1.9
332	19.402		18	56	8.0
348	19.402		18	57	46.5
347	20.404		20	58	8.8
345	20.404		19	59	27.8
346	20.404		20	60	38.3

north

Kelling

sample ID	plot#	target pH
Tree line		
1	101	4.7
2	102	5.2
3	104	6.2
4	103	5.7
5	105	6.7
6	204	6.2
7	201	4.7
8	203	5.7
9	205	6.7
10	202	5.2
field road		
short fill area		
11	304	6.2
12	305	6.7
13	303	5.7
14	302	5.2
15	301	4.7
16	403	5.7
17	401	4.7
18	405	6.7
19	402	5.2
20	404	6.2
short fill area		
Tree line		

60' between flags

50' between flags

used this one

RANDOM DISTANCES IN *FEET* FROM COMMON SIDE OF PLOT West

Core:	1	2	3	4	5	6
Kelling Plot ID						
101	45.0	46.8	34.1	3.5	24.4	10.7
201	1.8	~~15.7~~ 18 ①	22.3	31.1	33.3	26.0
301	26.2	9.4	16.7	40.5	49.1	13.8
401	44.4	14.5	10.7	11.0	19.2	24.8
102	27.3	21.5	6.4	20.5	20.8	4.3
202	4.4 (45.6)	6.3 (43.7)	2.3 (47.7)	46.7	0.2	5.9
302	30.6	8.8	3.6	21.0	35.8	48.1
402	1.9	8.0	46.5	33.4	34.5	1.3
103	25.3	10.7	27.6	36.8	18.3	13.9
203	16.3	18.6	14.9	42.5	29.1	16.3
303	4.3	44.8	37.1	6.9	45.0	32.9
403	3.1	6.3	49.8	0.7	35.5	46.6
104	3.4	17.2	3.8	45.6	7.3	49.6
204	16.2	27.8	9.0	49.3	3.9	26.7
304	46.5	39.4	11.5	36.9	41.1	15.2
404	8.8	27.8	38.3	39.8	0.2	4.6
105	39.8	20.4	3.4	49.8	48.5	4.9
205	13.4	8.9	23.1	42.0	26.3	49.4
305	43.7	44.7	44.6	19.5	18.6	39.0
405	6.3	3.9	27.7	42.8	21.0	20.2

Distances are out of 50 feet.

Mirrored in meters on the next page.

If repeats: round up for one and down for the other.

① could not get core from 15.7