

APPENDIX C

CHEMICAL ANALYSES OF SOIL SAMPLES TAKEN WITH DEPTH PRIOR TO PLANTING AT ALL LOCATIONS.

Soil pH, organic matter, and Mehlich I extractable nutrients of soil samples taken with depth at planting in 1995.

Pamunkey sandy loam, New Kent.

Soil Depth	pH	O.M.	P	K	Ca	Mg	Zn	Mn	Cu	Fe	B
m		%	----- mg kg ⁻¹ -----								
0-0.15	6.7	2.4	60	99	840	48	6.1	15.3	3.9	25	0.3
0.15-0.30	6.9	*	36	66	612	45	2.6	11.2	1.7	22	0.1
0.30-0.60	6.9	*	24	58	720	101	2.1	7.9	1.3	21	0.2
0.60-0.90	7.0	*	17	50	684	120	1.6	6.0	1.2	18	0.2

* not analyzed

Conetoe loamy sand, New Kent.

Soil Depth	pH	O.M.	P	K	Ca	Mg	Zn	Mn	Cu	Fe	B
m		%	----- mg kg ⁻¹ -----								
0-0.15	7.3	2.4	60	83	1164	49	6.1	15.4	4.3	22	0.2
0.15-0.30	7.6	*	60	42	888	36	4.2	9.9	2.6	24	0.1
0.30-0.60	7.4	*	19	56	648	92	1.3	5.9	0.9	18	0.1
0.60-0.90	7.4	*	25	48	552	48	1.3	6.5	1.0	21	0.1

* not analyzed

Soil pH, organic matter, and Mehlich I extractable nutrients of soil samples taken with depth at planting in 1996.

Suffolk fine sandy loam, James City.

Soil Depth	pH	O.M.	P	K	Ca	Mg	Zn	Mn	Cu	Fe	B
m		%	----- mg kg ⁻¹ -----								
0-0.15	6.1	1.2	60	75	276	26	1.2	5.3	1.31	15.5	1.23
0.15-0.30	6.1	1.0	38	90	288	50	1.0	8.1	0.69	16.4	0.06
0.30-0.60	5.7	*	7	103	300	79	0.5	6.2	0.41	11.3	0.03
0.60-0.90	5.5	*	3	55	180	56	0.4	2	0.21	68.6	0.05

* not analyzed

Bojac sandy loam, New Kent.

Soil Depth	PH	O.M.	P	K	Ca	Mg	Zn	Mn	Cu	Fe	B
m		%	----- mg kg ⁻¹ -----								
0-0.15	6.2	2.0	60	83	1092	89	6.1	16.1	3.13	19.1	0.28
0.15-0.30	6.4	1.3	60	44	732	53	2.6	16.1	1.33	18.26	0.08
0.30-0.60	5.7	*	26	23	290	30	0.4	3.9	0.32	15.2	0.07
0.60-0.90	5.5	*	33	29	288	53	0.3	5.05	0.22	14.7	0.06

* not analyzed

Appling-Cecil complex, Amelia.

Soil Depth	PH	O.M.	P	K	Ca	Mg	Zn	Mn	Cu	Fe	B
m		%	----- mg kg ⁻¹ -----								
0-0.15	5.9	2.4	60	99	840	48	6.1	15.3	3.9	25	0.3
0.15-0.30	5.8	*	36	66	612	45	2.6	11.2	1.7	22	0.1
0.30-0.60	5.9	*	24	58	720	101	2.1	7.9	1.3	21	0.2
0.60-0.90	4.8	*	17	50	684	120	1.6	6.0	1.2	18	0.2

* not analyzed

Wheeling silt loam, Whitethorn.

Soil Depth	pH	O.M.	P	K	Ca	Mg	Zn	Mn	Cu	Fe	B
m		%	----- mg kg ⁻¹ -----								
0-0.15	7.3	2.4	60	83	1164	49	6.1	15.4	4.3	22	0.2
0.15-0.30	7.6	*	60	42	888	36	4.2	9.9	2.6	24	0.1
0.30-0.60	7.4	*	19	56	648	92	1.3	5.9	0.9	18	0.1
0.60-0.90	7.4	*	25	48	552	48	1.3	6.5	1.0	21	0.1

* not analyzed

Soil pH, organic matter, and Mehlich I extractable nutrients of soil samples taken with depth at planting in 1997.

Atlee very fine sandy loam, Henrico.

Soil Depth	pH	O.M.	P	K	Ca	Mg	Zn	Mn	Cu	Fe	B
m		%	----- mg kg ⁻¹ -----								
0-0.15	6.1	1.1	22	58	406	36	2.0	19	0.3	17	0.2
0.15-0.30	5.9	0.7	13	79	222	28	1.5	12	0.3	14	0.1
0.30-0.60	5.9	*	3	38	257	46	0.4	5	0.2	9	0.1
0.60-0.90	5.5	*	2	37	340	64	0.3	0.3	0.2	11	0.3

* not analyzed

Kempsville fine loamy, New Kent.

Soil Depth	pH	O.M.	P	K	Ca	Mg	Zn	Mn	Cu	Fe	B
m		%	----- mg kg ⁻¹ -----								
0-0.15	5.9	1.7	60	75	444	72	3.6	8.3	0.4	33	0.3
0.15-0.30	5.7	1.1	60	42	252	35	3.2	6.5	0.4	37	0.1
0.30-0.60	5.8	*	55	34	144	29	1.1	4.0	0.3	17	0.1
0.60-0.90	5.7	*	28	56	168	42	0.9	5.0	0.3	77	0.1

* not analyzed