

Table 2.1. Soil types and specifications at 1998 and 1999 experiments.

Location	Soil type	Taxonomic class	Percent Organic matter	Soil pH
Middlesex	Eunola Sandy Loam	<i>Aquic Hapludults</i>	1.8	6.2
New Kent	Bojac Loamy Sand	<i>Aquic Hapludults</i>	1.7	6.2
Amelia	Appling Sandy Loam	<i>Typic Hapludults</i>	1.7	6.4
Montgomery	Haytor Fine Loam	<i>Cumulic Hapudolls</i>	2.6	6.1

Table 2.2. Average frost free dates at 1998 and 1999 experiment locations.

Location	50 % chance of frost later in spring	10 % chance of frost later in spring
Middlesex	April 12	April 22
New Kent	April 12	April 22
Amelia	April 15	May 01
Montgomery	May 04	May 22

Table 2.3. Precipitation amounts for 1998 and 1999 experiments

Month	Precipitation amount (cm)					
	Middlesex 1998	New Kent 1999	Amelia 1998	Amelia 1999	Montgomery 1998	Montgomery 1999
January	16.66	15.95	16.36	10.97	18.82	8.81
February	29.85	5.05	15.44	3.96	11.38	5.92
March	14.58	11.46	12.65	8.94	10.54	7.54
April	8.71	8.23	12.27	4.80	12.75	8.05
May	19.10	2.79	9.47	7.14	19.33	6.07
June	10.64	11.79	8.97	3.05	14.55	3.25
July	9.86	7.49	1.57	10.90	3.96	12.07
August	1.22	10.16	1.19	7.98	11.46	8.05
September	19.25	45.97	4.09	22.20	2.31	12.32
October	1.85	8.46	2.13	5.26	7.09	4.17
November	3.51	3.07	2.84	5.05	1.70	3.33
December	13.28	5.82	12.78	4.42	7.04	4.88
TOTALS	148.51	136.25	99.77	94.67	120.93	84.46

Table 2.4. Planting dates for 1998 and 1999 experiments.

Location	Full-season		Double-crop	
	1998	1999	1998	1999
Middlesex	April 15	-----	June 04	-----
New Kent	-----	April 24	-----	June 15
Amelia	April 22	April 24	June 02	June 08
Montgomery	May 13	May 12	June 14	June 09

Table 2.5. Preemergence herbicide application dates for full-season and double-crop corn in 1998 and 1999.

Location	Full-season		Double-crop	
	1998	1999	1998	1999
Middlesex	April 15	-----	June 04	-----
New Kent	-----	April 21	-----	June 15
Amelia	April 15	April 21	June 02	June 08
Montgomery	May 13	May 12	June 14	June 09

Table 2.6. Early postemergence herbicide application dates for full-season and double-crop corn in 1998 and 1999.

Location	Full-season		Double-crop	
	1998	1999	1998	1999
Middlesex	June 04	-----	July 07	-----
New Kent	-----	June 08	-----	July 07
Amelia	June 02	June 08	July 07	July 07
Montgomery	June 15	June 07	July 14	July 16

Table 2.7. Late postemergence herbicide application dates for full-season and double-crop corn in 1998 and 1999.

Location	Full-season		Double-crop	
	1998	1999	1998	1999
Middlesex	July 07	-----	August 12	-----
New Kent	-----	July 07	-----	August 08
Amelia	July 07	July 07	August 02	August 08
Montgomery	July 14	July 16	August 23	August 22