LA-10572-MS

UC-70B

Issued: February 1986

LA--10572-MS

DE86 008322

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LOW-LEVEL INTEGRATED SYSTEM TEST

by

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ABSTRACT

An unusually wet season permitted us to test the integrity of our biobarrier installed in the improved or modified plots in our integrated system. Although the modified plots had a reduced water-holding capacity, they delivered leachate only at the drain installed above the biobarrier, demonstrating once more that the biobarrier is behaving successfully as a capillary barrier in rerouting the subsurface flow around the tuff beneath the biobarrier. As a result of vertical water flow impedance, more water was made available to plot vegetation, enhancing its growth dramatically. The capillary barrier theory was backed up by the tensiometer results showing saturation at the upper biobarrier interface.

INTRODUCTION

Operating experience at commercial and Department of Energy shallow land burial (SLB) sites for low-level waste (LLW) disposal demonstrates that most of the problems that relate to radionuclide transport result from the interaction of precipitation and biota with the trench environs, particularly with the trench cap (Duguid, 1977; Jacobs et al., 1980). Specifically, precipitation falling on an SLB site can lead to erosion of the trench cap,

causing exposure of waste and both subsurface transport of soluble waste constituents and subsidence as a result of water percolating through the trench cap into the waste. Additionally, plants and animals can transport buried waste to the ground surface (Klepper et al., 1979; Hakonson and Bostick, 1976; O'Farrell and Gilbert, 1975). Perhaps more importantly, plants and animals do play a major role in the water balance of the site (Hakonson et al., 1982a).

Research conducted by the Los Alamos Environmental Science Group over the last three years has led to an improved understanding of water dynamics and biological interaction in the SLB site environs. That research has led to the development and testing of improvements in the design of isolated components of an SLB site (Hakonson et al., 1982b; Hakonson et al., 1983; Abeele, 1983; Nyhan et al., 1983; Nyhan and Lane, 1983).

The purpose of this test plan is to describe a technology field demonstration that integrates some of the positive features of the isolated variable experiments (performed in other experiments of the National Low-Level Waste Program) into a state-of-the-science design for optimal water and biota management to minimize radionuclide transport at SLB sites.

SCOPE AND OBJECTIVES

Trench cap designs that minimize erosion, percolation, and biological intrusion require consideration and careful selection of trench cap materials, cap materials depth, cap configuration, engineering features, including surface and layer interface slopes, and vegetation cover.

We have chosen to emphasize methods for controlling percolation and biological intrusion over those developed for runoff and erosion control in order to keep the demonstration project within manageable bounds and to

provide the greatest impact for the national program and because subsurface water and biological intrusion control methods employ similar materials and designs. Results of our studies on erosion control technologies demonstrated the effectiveness of several management practices that control runoff and erosion but at the expense of increasing water infiltration into the trench cover.

Specific objectives of this demonstration will be to measure the performance of a conventional and an improved trench cover design (1) on subsurface water dynamics, (2) in limiting biological intrusion, and (3) under both natural and enhanced precipitation regimes to identify the performance limits of the two designs.

Time series measurements will be made on the relevant water balance components including precipitation input, soil moisture, soil solution, and leachate production including tracer content of the leachate and soil solution. The rate of root intrusion through the cover will also be measured by the tracer content of vegetation.

What we expect to demonstrate is that the improved trench cap design limits percolation (i.e., leachate production) and biological intrusion compared with a conventional design. In addition, we expect to define the operational limits of the two designs under enhanced precipitation. This will result in documented criteria for improved SLB design.

EXPERIMENTAL APPROACH

Research conducted by the Los Alamos Environmental Science Group over the last three years has led to an improved understanding of water dynamics and biological interaction in the SLB site environs. That research has led to the development and testing of improvements in the design of isolated components

of an SLB site. The purpose of this field demonstration is to integrate some of the positive features of the isolated variable experiments into a state-of-the-science design for optimal water and biota management to minimize radionuclide transport at SLB sites.

The experimental design for the integrated experiment examines the performance of standard technology for SLB compared with improved technology. The cover consists of a mixture of seeded grasses and a specified level of gravel mulch. Four 3-x-10-m plots were used for this purpose (Fig. 1).

The unimproved technology treatment consists of the standard practice for low-level waste (LLW) disposal at Los Alamos including about 1 m of trench cap comprised of crushed tuff covered with 15 cm of topsoil, all placed over a trench filled with waste and crushed tuff backfill (Figs. 2 and 3). The improved technology treatment from the surface downward consists of an optimal topsoil depth, which, based upon calculations and previous measurements, is about 1 m of the local sandy loam soil. Next, a cobble-gravel layer (25-cm gravel over 75-cm cobble) is used to prevent plant and animal intrusion and water flow (capillary barrier) to subsurface regions. An optimum angle was placed on the interface between the topsoil and cobble-gravel layer to divert the vertical infiltration component into a lateral flow component using the principle of wick systems (Figs. 4 and 5). Both the control and improved trench cover plots contain trench drains to allow for measurement of leachate production and tracer content of leachate (Fig. 6).

Crushed tuff is used as a trench backfill material because our measurements and models have emphasized this soil matrix. Appropriate chemicals for tracing water movement including bromide, iodide, cesium, and lithium are located at specified layers in the backfill to provide a source term for evaluating chemical transport (Fig. 7).

Although a final detailed report is in preparation on the data collected in the two improved technology (modified) plots and the two plots with the standard (control) technology, several interesting observations can be made about their performance during FY85. The most outstanding observation to be made about the winter and spring of FY85 was that this precipitation period was approximately 250% of normal for Los Alamos during the winter and spring of 1985 (Figs. 8-11). This resulted in gradually increasing soil moisture levels (see Appendix) from December 1984 through April 1985 in the upper 80 cm of both the control and experimental plots (Figs. 12-15). Many readings came close to saturation (30-35%). The volumetric water content at the bottom of the control plot (no biobarrier) also dramatically increased during this time and started producing leachate at the bottom of the plot in late April to early May 1985, totaling 140 ℓ. This volume represents 0.52% of the 26,700 ℓ of precipitation received by this plot from May 23, 1984, through July 22, 1985.

In contrast, the modified plot produced leachate only from the drain above the biobarrier (Figs. 14 and 15), and this leachate production occurred from early March 1985 through early May 1985. During this period, approximately 335 ℓ of leachate were produced, representing 1.3% of the total 25,470 ℓ received by this plot from May 23, 1984, through July 22, 1985. This demonstrates quite dramatically that the biobarrier is behaving successfully as a capillary barrier in directing the subsurface flow of percolating water horizontally and around the tuff beneath the biobarrier.

After April 1985, another important effect of the capillary barrier/biobarrier was noted that has important waste management implications in the semiarid and arid regions of the country. The biobarrier in the experimental plots slowed down the vertical percolation of precipitation (relative to the

control treatment) considerably (Figs. 11 and 12), resulting in more water available to the grasses growing on the plots. This resulted in an enhanced stand of vegetation on the experimental plots (relative to the control plots), which subsequently transpired much greater amounts of water (after April 1985) out of the upper layers of the trench cap than the control plots. This effect has been observed in our biobarrier experiments at both Area G and Area B disposal sites and offers the site operator the benefits of establishing a good vegetative cover on an SLB trench as well as dramatically reducing the amount of water available for percolation through the trench cap by plant transpiration.

Nowhere was there a high moisture tension measured (due to a high moisture content). Crushed or kinked tubes could possibly account for malfunction of a few of the flexible hose tensiometers. Some of the problems encountered with the shallow, stiff tensiometers were taken care of and the eventual defects remedied. Happily, the deep tensiometers (below the moisture barrier) are the least important to bring our project to a good end. The tensiometer data are graphically displayed in Figs. 16-19. Near positive values indicate near saturation; positive values (pressure) indicate the presence of oversaturation.

The chemicals leaching from the plots indicated that in the experimental plots, the mean concentration of lithium reached 0.07 ppm with a standard deviation of 0.01 ppm and a measurement accuracy of ± 0.04 ppm. Since the standard deviation is smaller than the possible measurement error, there is, for all practical purposes, no change in the 21 sample measurements taken. This can be an indication that either the lithium concentrations are background concentrations or the leaching of the lithium tracer is very homogeneous (and very low). In both cases, it is an indication that very little lithium tracer was being picked up. Since bromide results were not

available (bromide is a very conservative tracer), low tracer uptake could not be confirmed. Hopefully, the bromide analysis will be performed in the near future. In the control plots, cesium concentrations were at or below background, and the iodide concentration varied from $\bar{X} = 30$ ppm and $s = 26$ ppm for $n = 14$ in plot 2, to $\bar{X} = 137$ ppm and $s = 11$ ppm for $n = 9$ in plot 4. These are different patterns indeed, considering that the discharge amounts were rather similar and could not possibly account for the discrepancy in concentration means and distribution over time.

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Fig. 1. Plan view of field plots.

INTEGRATED EXPERIMENT: CONTROL PLOTS

Los Alamos

Fig. 2. Control trench plot.

Fig. 3. Control trench plot.

Fig. 4. Improved trench cover.

Fig. 5. Improved trench cover design.

Fig. 6. Emplacement of trench drain.

Fig. 7. Tracer application.

Fig. 8. Precipitation patterns.

Fig. 9. Precipitation patterns.

Fig. 10. Precipitation patterns.

Fig. 11. Precipitation patterns.

Fig. 12. Moisture plots.

Fig. 13. Moisture plots.

Fig. 14. Moisture plots.

Fig. 15. Moisture plots.

INTEGRATED EXPERIMENT: CONTROL PLOT NO. 1

Los Alamos

Fig. 16. Tension plot.

Fig. 17. Tension plot.

Fig. 18. Tension plot.

Fig. 19. Tension plot.

APPENDIX

DESCRIPTION OF THE VOLUMETRIC WATER CONTENT DATA BASE FOR THE INTEGRATED TEST PLOTS

Thirty access tubes were emplaced in the four integrated test plots located at the Los Alamos Engineered Experimental Test Facility for the determination of soil water content using a neutron moisture gauge (see text for more detailed explanation). The two improved plots with the biointrusion barrier are 3.65 m wide and 10.7 m long, and the two control plots are 3.05 m wide and 10.7 m long. All of the northern tops of the plots are about 5 cm higher than the southern plot bottoms.

Proceeding from the northwest corner of Experimental Plot 1 to the southwest corner, access tubes 101, 102, and 103 are all located 0.3 m east of the western plot border and 2.4, 5.3, and 8.2 m, respectively, from the northern plot border. Tubes 104, 105, and 106 are all located 1.5 m east of the western plot border, and 2.4, 5.3, and 8.2 m, respectively, from the northern plot border. Tubes 107, 108, and 109 are all located 2.7 m east of the western plot border, and 2.4, 5.3, and 8.2 m, respectively, from the northern plot border. In Experimental Plot 2, access tubes 116, 117, 118, 119, 120, 121, 122, 123, and 124 occupy the same positions as access tubes 101, 102, 103, 104, 105, 106, 107, 108, and 109, respectively, in Experimental Plot 1.

Proceeding from the northwest corner of Control Plot 1 to the southwest corner, access tubes 110, 111, and 112 are all located 0.91 m from the western plot border, and 2.4, 5.3, and 8.2 m, respectively, from the northern plot border. Tubes 113, 114, and 115 are all located 2.1 m from the western plot border, and 2.4, 5.3, and 8.2 m, respectively, from the northern plot border. In Control Plot 2, access tubes 125, 126, 127, 128, 129, and 130 occupy the same positions as access tubes 110, 111, 112, 113, 114, and 115, respectively, in Control Plot 1.

-----Type = Control Plot 1 Tube Number = 110-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	30	8.0
02JUL84	60	7.8
02JUL84	90	8.7
02JUL84	120	10.8
23JUL84	30	8.7
23JUL84	60	7.7
23JUL84	90	8.6
23JUL84	120	10.3
13AUG84	20	14.2
13AUG84	40	13.5
13AUG84	80	10.0
13AUG84	110	9.5
28AUG84	20	15.5
28AUG84	40	12.3
28AUG84	80	10.0
28AUG84	110	10.2
05SEP84	20	8.2
05SEP84	40	9.9
05SEP84	80	10.0
05SEP84	110	10.3
25SEP84	20	4.7
25SEP84	40	6.6
25SEP84	80	9.2
25SEP84	110	10.0
05OCT84	20	7.9
05OCT84	40	6.9
05OCT84	80	9.1
05OCT84	110	10.1
11OCT84	20	7.7
11OCT84	40	7.0
11OCT84	80	8.9
11OCT84	110	10.2
23OCT84	20	15.1
23OCT84	40	10.6
23OCT84	80	9.0
23OCT84	110	9.9
29OCT84	20	17.8
29OCT84	40	15.8
29OCT84	80	9.7
29OCT84	110	10.0
05NOV84	20	15.6
05NOV84	40	14.3
05NOV84	80	11.0
05NOV84	110	10.2
20NOV84	20	13.7
20NOV84	40	12.8
20NOV84	80	11.3

20NOV84	110	11.0
27NOV84	20	14.0
27NOV84	40	12.3
27NOV84	80	11.4
27NOV84	110	11.1
03DEC84	20	13.8
03DEC84	40	12.1
03DEC84	80	11.0
03DEC84	110	11.4
11DEC84	20	13.9
11DEC84	20	13.9
11DEC84	40	11.8
11DEC84	40	11.8
11DEC84	80	11.1
11DEC84	80	11.1
11DEC84	110	11.4
11DEC84	110	11.4
18DEC84	20	14.7
18DEC84	40	12.0
18DEC84	80	11.3
18DEC84	110	11.4
27DEC84	20	14.9
27DEC84	40	12.5
27DEC84	80	11.2
27DEC84	110	11.6
02JAN85	20	19.5
02JAN85	40	18.5
02JAN85	80	19.4
02JAN85	110	20.9
10JAN85	20	17.5
10JAN85	20	17.5
10JAN85	40	16.4
10JAN85	40	16.4
10JAN85	80	18.1
10JAN85	80	18.1
10JAN85	110	20.3
10JAN85	110	20.3
17JAN85	20	19.1
17JAN85	40	15.0
17JAN85	80	17.0
17JAN85	110	20.5
24JAN85	20	21.9
24JAN85	40	15.1
24JAN85	80	16.7
24JAN85	110	19.2
07FEB85	20	30.0
07FEB85	40	13.4
07FEB85	80	16.0
07FEB85	110	18.9
14FEB85	20	27.7
14FEB85	40	14.1
14FEB85	80	15.6
14FEB85	110	18.4
20FEB85	20	21.7

20FEB85	40	15.5
20FEB85	80	15.6
20FEB85	110	18.1
04MAR85	20	19.5
04MAR85	40	18.0
04MAR85	80	18.2
04MAR85	110	21.1
15MAR85	20	21.9
15MAR85	40	19.6
15MAR85	80	19.2
15MAR85	110	22.4
20MAR85	20	21.2
20MAR85	40	19.9
20MAR85	80	20.5
20MAR85	110	26.2
27MAR85	20	19.4
27MAR85	40	18.4
27MAR85	80	22.1
27MAR85	110	28.4
05APR85	20	19.9
05APR85	40	18.4
05APR85	80	23.1
05APR85	110	30.3
12APR85	20	19.2
12APR85	40	18.4
12APR85	80	24.3
12APR85	110	30.6
24APR85	20	19.2
24APR85	40	18.6
24APR85	80	23.2
24APR85	110	29.8
01MAY85	20	21.8
01MAY85	40	21.0
01MAY85	80	25.8
01MAY85	110	32.3
10MAY85	20	19.6
10MAY85	40	20.0
10MAY85	80	26.2
10MAY85	110	33.4
15MAY85	20	19.0
15MAY85	40	19.0
15MAY85	80	25.5
15MAY85	110	31.7
24MAY85	20	20.9
24MAY85	40	20.1
24MAY85	80	25.5
24MAY85	110	32.2
30MAY85	20	19.4
30MAY85	40	19.3
30MAY85	80	25.4
30MAY85	110	31.8
04JUN85	20	18.2
04JUN85	40	18.0
04JUN85	80	24.0

04JUN85	110	30.5
14JUN85	20	17.0
14JUN85	40	16.9
14JUN85	80	22.8
14JUN85	110	29.3
21JUN85	20	17.0
21JUN85	40	16.7
21JUN85	80	22.1
21JUN85	110	28.6
26JUN85	20	16.7
26JUN85	40	16.8
26JUN85	80	21.8
26JUN85	110	28.1
03JUL85	20	15.5
03JUL85	40	16.0
03JUL85	80	20.7
03JUL85	110	27.0
10JUL85	20	13.4
10JUL85	40	14.3
10JUL85	80	19.2
10JUL85	110	24.8
23JUL85	20	14.1
23JUL85	40	13.9
23JUL85	80	17.8
23JUL85	110	22.7
30JUL85	20	13.3
30JUL85	40	13.2
30JUL85	80	17.1
30JUL85	110	21.2
06AUG85	20	12.8
06AUG85	40	12.6
06AUG85	80	16.3
06AUG85	110	20.5
15AUG85	20	16.8
15AUG85	40	16.3
15AUG85	80	18.5
15AUG85	110	23.1

-----Type = Control Plot 1 Tube Number = 111-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	0	1.1
02JUL84	30	8.2
02JUL84	60	8.0
02JUL84	90	8.5
02JUL84	120	11.1
23JUL84	30	6.3
23JUL84	60	7.8
23JUL84	90	8.2
23JUL84	120	10.8

13AUG84	20	10.4
13AUG84	40	8.3
13AUG84	80	8.0
13AUG84	110	9.3
28AUG84	20	9.1
28AUG84	40	7.7
28AUG84	80	8.1
28AUG84	110	9.3
05SEP84	20	5.7
05SEP84	40	7.0
05SEP84	80	7.9
05SEP84	110	9.4
25SEP84	20	3.9
25SEP84	40	5.5
25SEP84	80	8.0
25SEP84	110	9.4
05OCT84	20	5.6
05OCT84	40	5.6
05OCT84	80	7.7
05OCT84	110	9.4
11OCT84	20	5.4
11OCT84	40	5.8
11OCT84	80	7.8
11OCT84	110	9.2
23OCT84	20	13.4
23OCT84	40	7.3
23OCT84	80	7.8
23OCT84	110	9.1
29OCT84	20	17.7
29OCT84	40	15.5
29OCT84	80	7.9
29OCT84	110	9.1
05NOV84	20	14.9
05NOV84	40	13.7
05NOV84	80	8.9
05NOV84	110	9.0
20NOV84	20	13.1
20NOV84	40	12.4
20NOV84	80	9.9
20NOV84	110	9.4
27NOV84	20	12.9
27NOV84	40	11.9
27NOV84	80	9.8
27NOV84	110	9.5
03DEC84	20	12.6
03DEC84	40	11.6
03DEC84	80	10.1
03DEC84	110	9.7
11DEC84	20	12.8
11DEC84	20	12.8
11DEC84	40	11.5
11DEC84	40	11.5
11DEC84	80	9.8
11DEC84	80	9.8

11DEC84	110	9.8
11DEC84	110	9.8
18DEC84	20	13.8
18DEC84	40	11.7
18DEC84	80	9.8
18DEC84	110	9.8
27DEC84	20	14.7
27DEC84	40	12.5
27DEC84	80	10.0
27DEC84	110	9.9
02JAN85	20	19.4
02JAN85	40	18.9
02JAN85	80	17.5
02JAN85	110	15.7
10JAN85	20	17.2
10JAN85	20	17.2
10JAN85	40	16.5
10JAN85	40	16.5
10JAN85	80	16.6
10JAN85	80	16.6
10JAN85	110	16.8
10JAN85	110	16.8
17JAN85	20	17.9
17JAN85	40	14.9
17JAN85	80	15.9
17JAN85	110	16.9
24JAN85	20	22.1
24JAN85	40	15.0
24JAN85	80	15.8
24JAN85	110	16.7
07FEB85	20	27.4
07FEB85	40	12.8
07FEB85	80	15.1
07FEB85	110	16.4
14FEB85	20	26.1
14FEB85	40	13.7
14FEB85	80	14.6
14FEB85	110	16.1
20FEB85	20	20.5
20FEB85	40	16.0
20FEB85	80	15.0
20FEB85	110	15.8
04MAR85	20	18.9
04MAR85	40	18.0
04MAR85	80	16.7
04MAR85	110	18.8
15MAR85	20	21.8
15MAR85	40	20.6
15MAR85	80	18.6
15MAR85	110	21.5
20MAR85	20	21.4
20MAR85	40	20.0
20MAR85	80	21.2
20MAR85	110	27.3

27MAR85	20	19.5
27MAR85	40	19.3
27MAR85	80	22.2
27MAR85	110	30.0
05APR85	20	19.8
05APR85	40	19.9
05APR85	80	24.2
05APR85	110	31.1
12APR85	20	19.6
12APR85	40	19.9
12APR85	80	24.1
12APR85	110	32.2
24APR85	20	19.4
24APR85	40	19.5
24APR85	80	24.1
24APR85	110	31.0
01MAY85	20	22.2
01MAY85	40	22.4
01MAY85	80	26.8
01MAY85	110	33.7
10MAY85	20	20.2
10MAY85	40	21.4
10MAY85	80	26.8
10MAY85	110	33.2
15MAY85	20	19.1
15MAY85	40	20.6
15MAY85	80	26.1
15MAY85	110	33.0
24MAY85	20	20.8
24MAY85	40	21.0
24MAY85	80	26.7
24MAY85	110	32.1
30MAY85	20	19.5
30MAY85	40	20.2
30MAY85	80	26.3
30MAY85	110	32.7
04JUN85	20	18.3
04JUN85	40	19.6
04JUN85	80	24.8
04JUN85	110	31.4
14JUN85	20	18.1
14JUN85	40	17.9
14JUN85	80	23.5
14JUN85	110	30.8
21JUN85	20	16.7
21JUN85	40	17.8
21JUN85	80	23.0
21JUN85	110	29.9
26JUN85	20	17.7
26JUN85	40	17.9
26JUN85	80	21.6
26JUN85	110	28.4
03JUL85	20	15.9
03JUL85	40	16.3

03JUL85	80	21.3
03JUL85	110	27.6
10JUL85	20	14.3
10JUL85	40	14.9
10JUL85	80	20.1
10JUL85	110	25.6
23JUL85	20	14.2
23JUL85	40	14.8
23JUL85	80	18.7
23JUL85	110	23.4
30JUL85	20	13.5
30JUL85	40	14.0
30JUL85	80	17.7
30JUL85	110	22.2
06AUG85	20	12.9
06AUG85	40	13.4
06AUG85	80	17.3
06AUG85	110	21.7
15AUG85	20	16.8
15AUG85	40	16.0
15AUG85	80	19.0
15AUG85	110	23.4

-----Type = Control Plot 1 Tube Number = 112-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	30	8.3
02JUL84	60	8.0
02JUL84	90	9.0
02JUL84	120	10.7
23JUL84	30	6.3
23JUL84	60	8.2
23JUL84	90	9.2
23JUL84	120	10.8
13AUG84	20	10.2
13AUG84	40	8.7
13AUG84	80	8.8
13AUG84	110	10.5
28AUG84	20	10.6
28AUG84	40	8.1
28AUG84	80	9.0
28AUG84	110	10.6
05SEP84	20	6.6
05SEP84	40	7.7
05SEP84	80	8.8
05SEP84	110	10.3
25SEP84	20	4.1
25SEP84	40	5.7
25SEP84	80	8.8
25SEP84	110	10.4

05OCT84	20	6.3
05OCT84	40	5.9
05OCT84	80	9.0
05OCT84	110	10.8
11OCT84	20	6.0
11OCT84	40	6.0
11OCT84	80	8.7
11OCT84	110	10.5
23OCT84	20	14.3
23OCT84	40	7.3
23OCT84	80	8.6
23OCT84	110	10.3
29OCT84	20	17.5
29OCT84	40	15.9
29OCT84	80	8.8
29OCT84	110	9.9
05NOV84	20	14.9
05NOV84	40	13.9
05NOV84	80	10.2
05NOV84	110	10.2
20NOV84	20	13.1
20NOV84	40	12.6
20NOV84	80	10.5
20NOV84	110	10.5
27NOV84	20	13.4
27NOV84	40	12.3
27NOV84	80	10.4
27NOV84	110	10.9
03DEC84	20	12.8
03DEC84	40	12.0
03DEC84	80	10.6
03DEC84	110	11.0
11DEC84	20	13.0
11DEC84	20	13.0
11DEC84	40	12.2
11DEC84	40	12.2
11DEC84	80	10.6
11DEC84	80	10.6
11DEC84	110	11.1
11DEC84	110	11.1
18DEC84	20	14.4
18DEC84	40	12.3
18DEC84	80	10.6
18DEC84	110	11.4
27DEC84	20	15.4
27DEC84	40	12.9
27DEC84	80	11.1
27DEC84	110	11.6
02JAN85	20	18.9
02JAN85	40	19.0
02JAN85	80	15.9
02JAN85	110	17.3
10JAN85	20	18.0
10JAN85	20	18.0

10JAN85	40	17.3
10JAN85	40	17.3
10JAN85	80	16.6
10JAN85	80	16.6
10JAN85	110	21.7
10JAN85	110	21.7
17JAN85	20	19.9
17JAN85	40	15.6
17JAN85	80	16.3
17JAN85	110	21.6
24JAN85	20	24.8
24JAN85	40	16.2
24JAN85	80	16.3
24JAN85	110	21.4
07FEB85	20	29.2
07FEB85	40	14.6
07FEB85	80	15.8
07FEB85	110	21.5
14FEB85	20	28.0
14FEB85	40	15.3
14FEB85	80	15.9
14FEB85	110	20.7
20FEB85	20	21.4
20FEB85	40	17.1
20FEB85	80	16.1
20FEB85	110	21.2
04MAR85	20	18.2
04MAR85	40	18.4
04MAR85	80	17.7
04MAR85	110	24.3
15MAR85	20	22.7
15MAR85	40	21.3
15MAR85	80	20.3
15MAR85	110	25.8
20MAR85	20	21.2
20MAR85	40	19.9
20MAR85	80	22.3
20MAR85	110	29.9
27MAR85	20	19.4
27MAR85	40	19.4
27MAR85	80	22.8
27MAR85	110	30.2
05APR85	20	20.2
05APR85	40	19.6
05APR85	80	24.0
05APR85	110	30.9
12APR85	20	19.9
12APR85	40	20.0
12APR85	80	24.1
12APR85	110	31.7
24APR85	20	18.3
24APR85	40	19.3
24APR85	80	23.2
24APR85	110	30.6

01MAY85	20	21.8
01MAY85	40	21.6
01MAY85	80	26.9
01MAY85	110	32.7
10MAY85	20	19.0
10MAY85	40	21.3
10MAY85	80	26.4
10MAY85	110	32.7
15MAY85	20	18.2
15MAY85	40	20.2
15MAY85	80	25.7
15MAY85	110	32.3
24MAY85	20	20.5
24MAY85	40	20.8
24MAY85	80	25.9
24MAY85	110	32.3
30MAY85	20	19.2
30MAY85	40	20.3
30MAY85	80	25.5
30MAY85	110	32.4
04JUN85	20	18.1
04JUN85	40	19.4
04JUN85	80	24.2
04JUN85	110	31.6
14JUN85	20	17.0
14JUN85	40	17.9
14JUN85	80	23.2
14JUN85	110	29.8
21JUN85	20	16.8
21JUN85	40	17.6
21JUN85	80	23.0
21JUN85	110	29.4
26JUN85	20	17.3
26JUN85	40	17.1
26JUN85	80	21.9
26JUN85	110	28.7
03JUL85	20	16.1
03JUL85	40	16.4
03JUL85	80	21.4
03JUL85	110	27.5
10JUL85	20	14.1
10JUL85	40	14.9
10JUL85	80	20.1
10JUL85	110	25.9
23JUL85	20	14.6
23JUL85	40	14.8
23JUL85	80	19.1
23JUL85	110	24.5
30JUL85	20	14.2
30JUL85	40	14.2
30JUL85	80	17.8
30JUL85	110	22.8
06AUG85	20	13.6
06AUG85	40	13.6

06AUG85	80	17.3
06AUG85	110	22.1
15AUG85	20	17.0
15AUG85	40	17.0
15AUG85	80	19.1
15AUG85	110	25.5

-----Type = Control Plot 1 Tube Number = 113-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	30	7.9
02JUL84	60	7.9
02JUL84	90	8.5
02JUL84	120	9.9
23JUL84	30	6.4
23JUL84	60	7.7
23JUL84	90	8.4
23JUL84	120	10.0
13AUG84	20	10.6
13AUG84	40	9.4
13AUG84	80	8.2
13AUG84	110	9.6
28AUG84	20	10.3
28AUG84	40	8.6
28AUG84	80	8.6
28AUG84	110	9.5
05SEP84	20	6.0
05SEP84	40	7.6
05SEP84	80	8.7
05SEP84	110	9.6
25SEP84	20	3.9
25SEP84	40	5.3
25SEP84	80	8.3
25SEP84	110	9.6
05OCT84	20	6.1
05OCT84	40	5.5
05OCT84	80	8.1
05OCT84	110	9.6
11OCT84	20	5.7
11OCT84	40	5.5
11OCT84	80	8.2
11OCT84	110	9.8
23OCT84	20	14.2
23OCT84	40	8.5
23OCT84	80	8.1
23OCT84	110	9.6
29OCT84	20	17.1
29OCT84	40	16.5
29OCT84	80	8.5
29OCT84	110	9.3

05NOV84	20	14.9
05NOV84	40	14.5
05NOV84	80	10.5
05NOV84	110	9.6
20NOV84	20	12.9
20NOV84	40	12.7
20NOV84	80	10.8
20NOV84	110	10.5
27NOV84	20	13.3
27NOV84	40	12.6
27NOV84	80	10.9
27NOV84	110	10.8
03DEC84	20	12.9
03DEC84	40	12.3
03DEC84	80	10.7
03DEC84	110	11.0
11DEC84	20	13.2
11DEC84	20	13.2
11DEC84	40	12.2
11DEC84	40	12.2
11DEC84	80	10.5
11DEC84	80	10.5
11DEC84	110	11.0
11DEC84	110	11.0
18DEC84	20	14.9
18DEC84	40	12.4
18DEC84	80	10.7
18DEC84	110	11.2
27DEC84	20	14.8
27DEC84	40	13.0
27DEC84	80	11.0
27DEC84	110	11.3
02JAN85	20	19.4
02JAN85	40	18.9
02JAN85	80	17.2
02JAN85	110	18.2
10JAN85	20	18.3
10JAN85	20	18.3
10JAN85	40	16.6
10JAN85	40	16.6
10JAN85	80	16.3
10JAN85	80	16.3
10JAN85	110	19.2
10JAN85	110	19.2
17JAN85	20	22.3
17JAN85	40	14.8
17JAN85	80	15.7
17JAN85	110	19.0
24JAN85	20	25.1
24JAN85	40	14.6
24JAN85	80	15.3
24JAN85	110	18.7
07FEB85	20	28.4
07FEB85	40	14.7

07FEB85	80	14.8
07FEB85	110	17.9
14FEB85	20	29.9
14FEB85	40	15.4
14FEB85	80	14.3
14FEB85	110	17.4
20FEB85	20	23.2
20FEB85	40	16.4
20FEB85	80	14.3
20FEB85	110	17.3
04MAR85	20	19.0
04MAR85	40	18.4
04MAR85	80	16.4
04MAR85	110	19.6
15MAR85	20	22.1
15MAR85	40	20.9
15MAR85	80	17.5
15MAR85	110	22.5
20MAR85	20	21.5
20MAR85	40	20.3
20MAR85	80	20.3
20MAR85	110	27.1
27MAR85	20	18.6
27MAR85	40	19.1
27MAR85	80	21.1
27MAR85	110	28.8
05APR85	20	19.4
05APR85	40	19.8
05APR85	80	22.6
05APR85	110	30.2
12APR85	20	18.6
12APR85	40	20.1
12APR85	80	22.7
12APR85	110	30.3
24APR85	20	17.9
24APR85	40	18.8
24APR85	80	22.5
24APR85	110	29.3
01MAY85	20	20.7
01MAY85	40	21.4
01MAY85	80	26.1
01MAY85	110	32.1
10MAY85	20	19.6
10MAY85	40	21.1
10MAY85	80	26.4
10MAY85	110	31.8
15MAY85	20	17.6
15MAY85	40	20.3
15MAY85	80	25.1
15MAY85	110	32.2
24MAY85	20	19.9
24MAY85	40	20.7
24MAY85	80	25.7
24MAY85	110	32.4

30MAY85	20	18.1
30MAY85	40	20.3
30MAY85	80	25.1
30MAY85	110	31.9
04JUN85	20	17.1
04JUN85	40	19.1
04JUN85	80	23.7
04JUN85	110	31.0
14JUN85	20	16.8
14JUN85	40	17.7
14JUN85	80	23.4
14JUN85	110	29.8
21JUN85	20	15.7
21JUN85	40	17.3
21JUN85	80	22.3
21JUN85	110	29.8
26JUN85	20	16.0
26JUN85	40	17.2
26JUN85	80	20.6
26JUN85	110	28.8
03JUL85	20	15.5
03JUL85	40	15.7
03JUL85	80	20.3
03JUL85	110	28.2
10JUL85	20	13.0
10JUL85	40	14.4
10JUL85	80	19.3
10JUL85	110	25.8
23JUL85	20	13.9
23JUL85	40	14.1
23JUL85	80	17.4
23JUL85	110	23.4
30JUL85	20	13.0
30JUL85	40	13.2
30JUL85	80	16.6
30JUL85	110	22.0
06AUG85	20	12.2
06AUG85	40	13.1
06AUG85	80	16.9
06AUG85	110	21.1
15AUG85	20	16.7
15AUG85	40	16.0
15AUG85	80	17.4
15AUG85	110	23.7

-----Type - Control Plot 1 Tube Number - 114-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	30	7.9
02JUL84	60	8.0

02JUL84	90	8.3
02JUL84	120	11.0
23JUL84	30	6.2
23JUL84	60	7.8
23JUL84	90	8.7
23JUL84	120	11.0
13AUG84	20	8.5
13AUG84	40	8.1
13AUG84	80	8.0
13AUG84	110	9.6
28AUG84	20	8.5
28AUG84	40	7.6
28AUG84	80	8.1
28AUG84	110	9.6
05SEP84	20	5.3
05SEP84	40	7.1
05SEP84	80	8.2
05SEP84	110	9.5
25SEP84	20	3.7
25SEP84	40	5.0
25SEP84	80	8.0
25SEP84	110	9.6
05OCT84	20	5.3
05OCT84	40	5.2
05OCT84	80	7.9
05OCT84	110	9.4
11OCT84	20	5.2
11OCT84	40	5.2
11OCT84	80	7.9
11OCT84	110	9.5
23OCT84	20	11.2
23OCT84	40	6.8
23OCT84	80	7.9
23OCT84	110	9.5
29OCT84	20	16.5
29OCT84	40	13.9
29OCT84	80	7.8
29OCT84	110	9.4
05NOV84	20	14.1
05NOV84	40	13.0
05NOV84	80	8.6
05NOV84	110	9.2
20NOV84	20	12.7
20NOV84	40	11.5
20NOV84	80	9.6
20NOV84	110	9.4
27NOV84	20	12.7
27NOV84	40	11.6
27NOV84	80	9.6
27NOV84	110	9.9
03DEC84	20	12.5
03DEC84	40	11.6
03DEC84	80	9.7
03DEC84	110	9.6

11DEC84	20	12.5
11DEC84	20	12.5
11DEC84	40	11.4
11DEC84	40	11.4
11DEC84	80	9.8
11DEC84	80	9.8
11DEC84	110	9.8
11DEC84	110	9.8
18DEC84	20	13.5
18DEC84	40	11.7
18DEC84	80	9.8
18DEC84	110	9.8
27DEC84	20	13.9
27DEC84	40	12.0
27DEC84	80	9.8
27DEC84	110	9.9
02JAN85	20	19.0
02JAN85	40	18.5
02JAN85	80	16.6
02JAN85	110	14.7
10JAN85	20	16.6
10JAN85	20	16.6
10JAN85	40	15.9
10JAN85	40	15.9
10JAN85	80	15.8
10JAN85	80	15.8
10JAN85	110	16.3
10JAN85	110	16.3
17JAN85	20	17.8
17JAN85	40	14.1
17JAN85	80	15.3
17JAN85	110	16.2
24JAN85	20	21.6
24JAN85	40	14.3
24JAN85	80	14.8
24JAN85	110	16.0
07FEB85	20	27.3
07FEB85	40	12.6
07FEB85	80	14.5
07FEB85	110	15.8
14FEB85	20	26.7
14FEB85	40	13.3
14FEB85	80	14.1
14FEB85	110	15.6
20FEB85	20	20.5
20FEB85	40	14.9
20FEB85	80	14.2
20FEB85	110	15.2
04MAR85	20	18.2
04MAR85	40	17.5
04MAR85	80	16.5
04MAR85	110	17.5
15MAR85	20	21.7
15MAR85	40	19.9

15MAR85	80	17.4
15MAR85	110	20.1
20MAR85	20	21.4
20MAR85	40	20.0
20MAR85	80	20.5
20MAR85	110	26.4
27MAR85	20	18.9
27MAR85	40	18.7
27MAR85	80	23.1
27MAR85	110	29.3
05APR85	20	20.0
05APR85	40	19.3
05APR85	80	24.6
05APR85	110	30.7
12APR85	20	19.4
12APR85	40	19.6
12APR85	80	25.0
12APR85	110	30.2
24APR85	20	18.4
24APR85	40	18.1
24APR85	80	24.4
24APR85	110	29.7
01MAY85	20	21.0
01MAY85	40	21.9
01MAY85	80	27.9
01MAY85	110	33.5
10MAY85	20	20.2
10MAY85	40	20.9
10MAY85	80	27.0
10MAY85	110	33.0
15MAY85	20	18.9
15MAY85	40	20.3
15MAY85	80	26.8
15MAY85	110	32.2
24MAY85	20	20.3
24MAY85	40	21.1
24MAY85	80	26.5
24MAY85	110	32.5
30MAY85	20	19.2
30MAY85	40	20.1
30MAY85	80	26.2
30MAY85	110	32.5
04JUN85	20	18.2
04JUN85	40	19.0
04JUN85	80	25.5
04JUN85	110	31.3
14JUN85	20	17.6
14JUN85	40	17.9
14JUN85	80	24.0
14JUN85	110	30.6
21JUN85	20	16.6
21JUN85	40	16.7
21JUN85	80	23.5
21JUN85	110	29.9

26JUN85	20	17.3
26JUN85	40	16.6
26JUN85	80	22.4
26JUN85	110	28.8
03JUL85	20	16.0
03JUL85	40	15.6
03JUL85	80	21.7
03JUL85	110	28.0
10JUL85	20	13.9
10JUL85	40	14.6
10JUL85	80	20.6
10JUL85	110	25.6
23JUL85	20	14.2
23JUL85	40	14.3
23JUL85	80	18.4
23JUL85	110	23.8
30JUL85	20	13.3
30JUL85	40	13.7
30JUL85	80	17.8
30JUL85	110	22.3
06AUG85	20	13.0
06AUG85	40	12.9
06AUG85	80	17.2
06AUG85	110	21.7
15AUG85	20	16.5
15AUG85	40	15.8
15AUG85	80	18.5
15AUG85	110	24.3

-----Type = Control Plot 1 Tube Number = 115-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	30	7.7
02JUL84	60	8.3
02JUL84	90	8.6
02JUL84	120	10.9
23JUL84	30	5.8
23JUL84	60	8.0
23JUL84	90	8.7
23JUL84	120	10.7
13AUG84	20	6.6
13AUG84	40	7.3
13AUG84	80	8.6
13AUG84	110	9.7
28AUG84	20	6.7
28AUG84	40	7.0
28AUG84	80	8.7
28AUG84	110	9.8
05SEP84	20	4.6
05SEP84	40	6.8

05SEP84	80	8.6
05SEP84	110	9.9
25SEP84	20	3.5
25SEP84	40	5.4
25SEP84	80	8.4
25SEP84	110	9.9
05OCT84	20	5.2
05OCT84	40	5.8
05OCT84	80	8.5
05OCT84	110	10.0
11OCT84	20	4.9
11OCT84	40	5.9
11OCT84	80	8.5
11OCT84	110	9.9
23OCT84	20	8.6
23OCT84	40	6.3
23OCT84	80	8.4
23OCT84	110	9.5
29OCT84	20	15.0
29OCT84	40	10.8
29OCT84	80	8.2
29OCT84	110	9.4
05NOV84	20	13.3
05NOV84	40	11.5
05NOV84	80	8.7
05NOV84	110	9.6
20NOV84	20	12.2
20NOV84	40	10.7
20NOV84	80	9.6
20NOV84	110	10.0
27NOV84	20	12.3
27NOV84	40	11.0
27NOV84	80	9.5
27NOV84	110	10.0
03DEC84	20	12.1
03DEC84	40	10.6
03DEC84	80	9.8
03DEC84	110	10.1
11DEC84	20	12.3
11DEC84	20	12.3
11DEC84	40	10.7
11DEC84	40	10.7
11DEC84	80	9.9
11DEC84	80	9.9
11DEC84	110	10.2
11DEC84	110	10.2
18DEC84	20	13.6
18DEC84	40	11.0
18DEC84	80	10.0
18DEC84	110	10.4
27DEC84	20	14.2
27DEC84	40	11.7
27DEC84	80	10.3
27DEC84	110	10.4

02JAN85	20	19.2
02JAN85	40	17.2
02JAN85	80	12.5
02JAN85	110	11.2
10JAN85	20	17.8
10JAN85	20	17.8
10JAN85	40	16.1
10JAN85	40	16.1
10JAN85	80	15.7
10JAN85	80	15.7
10JAN85	110	19.1
10JAN85	110	19.1
17JAN85	20	18.6
17JAN85	40	14.4
17JAN85	80	15.7
17JAN85	110	19.5
24JAN85	20	22.3
24JAN85	40	14.6
24JAN85	80	15.6
24JAN85	110	19.4
07FEB85	20	29.1
07FEB85	40	13.5
07FEB85	80	15.6
07FEB85	110	19.4
14FEB85	20	28.6
14FEB85	40	14.7
14FEB85	80	15.1
14FEB85	110	19.1
20FEB85	20	21.9
20FEB85	40	17.3
20FEB85	80	15.9
20FEB85	110	19.3
04MAR85	20	18.6
04MAR85	40	16.5
04MAR85	80	18.6
04MAR85	110	22.7
15MAR85	20	22.4
15MAR85	40	19.9
15MAR85	80	19.9
15MAR85	110	24.5
20MAR85	20	21.4
20MAR85	40	19.5
20MAR85	80	22.9
20MAR85	110	28.8
27MAR85	20	19.6
27MAR85	40	18.7
27MAR85	80	23.4
27MAR85	110	29.5
05APR85	20	20.0
05APR85	40	19.3
05APR85	80	25.2
05APR85	110	30.7
12APR85	20	19.7
12APR85	40	18.6

12APR85	80	23.9
12APR85	110	30.7
24APR85	20	18.9
24APR85	40	18.9
24APR85	80	23.4
24APR85	110	30.0
01MAY85	20	21.7
01MAY85	40	21.3
01MAY85	80	27.3
01MAY85	110	32.7
10MAY85	20	19.6
10MAY85	40	20.5
10MAY85	80	27.1
10MAY85	110	32.1
15MAY85	20	19.1
15MAY85	40	19.8
15MAY85	80	26.1
15MAY85	110	31.6
24MAY85	20	20.4
24MAY85	40	20.2
24MAY85	80	26.6
24MAY85	110	31.3
30MAY85	20	19.4
30MAY85	40	20.1
30MAY85	80	26.0
30MAY85	110	32.0
04JUN85	20	18.3
04JUN85	40	19.1
04JUN85	80	25.0
04JUN85	110	30.9
14JUN85	20	17.4
14JUN85	40	17.9
14JUN85	80	23.6
14JUN85	110	29.6
21JUN85	20	16.4
21JUN85	40	16.7
21JUN85	80	23.6
21JUN85	110	28.8
26JUN85	20	16.5
26JUN85	40	17.1
26JUN85	80	23.0
26JUN85	110	27.6
03JUL85	20	16.2
03JUL85	40	16.1
03JUL85	80	21.6
03JUL85	110	26.2
10JUL85	20	14.4
10JUL85	40	14.8
10JUL85	80	20.2
10JUL85	110	25.1
23JUL85	20	15.2
23JUL85	40	14.4
23JUL85	80	19.4
23JUL85	110	23.3

30JUL85	20	13.9
30JUL85	40	13.7
30JUL85	80	18.1
30JUL85	110	22.0
06AUG85	20	13.2
06AUG85	40	13.4
06AUG85	80	17.9
06AUG85	110	21.2
15AUG85	20	16.9
15AUG85	40	15.9
15AUG85	80	19.3
15AUG85	110	24.8

-----Type = Control Plot 2 Tube Number = 125-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
31MAY84	30	10.3
31MAY84	60	8.5
31MAY84	90	8.4
31MAY84	120	9.5
02JUL84	30	14.3
02JUL84	60	8.3
02JUL84	90	8.5
02JUL84	120	9.7
23JUL84	30	7.3
23JUL84	60	8.0
23JUL84	90	8.6
23JUL84	120	9.8
13AUG84	20	16.0
13AUG84	40	14.4
13AUG84	80	11.0
13AUG84	110	9.9
28AUG84	20	17.3
28AUG84	40	12.9
28AUG84	80	11.5
28AUG84	110	11.0
05SEP84	20	9.1
05SEP84	40	10.5
05SEP84	80	11.6
05SEP84	110	11.5
25SEP84	20	5.7
25SEP84	40	6.6
25SEP84	80	10.5
25SEP84	110	11.3
05OCT84	20	8.8
05OCT84	40	7.3
05OCT84	80	10.4
05OCT84	110	11.2
11OCT84	20	7.8
11OCT84	40	7.1

11OCT84	80	10.5
11OCT84	110	11.3
23OCT84	20	16.9
23OCT84	40	9.8
23OCT84	80	10.0
23OCT84	110	10.9
29OCT84	20	18.8
29OCT84	40	16.2
29OCT84	80	11.2
29OCT84	110	10.7
05NOV84	20	16.2
05NOV84	40	14.6
05NOV84	80	12.4
05NOV84	110	11.3
20NOV84	20	14.3
20NOV84	40	13.1
20NOV84	80	12.6
20NOV84	110	12.6
27NOV84	20	14.8
27NOV84	40	12.6
27NOV84	80	12.5
27NOV84	110	12.5
03DEC84	20	14.6
03DEC84	40	12.8
03DEC84	80	12.5
03DEC84	110	12.7
11DEC84	20	15.7
11DEC84	20	15.7
11DEC84	40	12.6
11DEC84	40	12.6
11DEC84	80	12.5
11DEC84	80	12.5
11DEC84	110	12.9
11DEC84	110	12.9
18DEC84	20	17.1
18DEC84	40	13.1
18DEC84	80	12.6
18DEC84	110	13.2
27DEC84	20	17.7
27DEC84	40	13.3
27DEC84	80	12.7
27DEC84	110	13.2
02JAN85	20	20.4
02JAN85	40	18.8
02JAN85	80	22.2
02JAN85	110	24.8
10JAN85	20	19.4
10JAN85	20	19.4
10JAN85	40	17.0
10JAN85	40	17.0
10JAN85	80	21.6
10JAN85	80	21.6
10JAN85	110	24.4
10JAN85	110	24.4

17JAN85	20	20.7
17JAN85	40	16.4
17JAN85	80	20.9
17JAN85	110	24.0
24JAN85	20	25.8
24JAN85	40	16.2
24JAN85	80	20.1
24JAN85	110	23.6
07FEB85	20	27.8
07FEB85	40	15.7
07FEB85	80	18.9
07FEB85	110	22.5
14FEB85	20	29.0
14FEB85	40	16.0
14FEB85	80	18.5
14FEB85	110	21.6
20FEB85	20	21.9
20FEB85	40	16.7
20FEB85	80	18.8
20FEB85	110	21.3
04MAR85	20	19.9
04MAR85	40	18.0
04MAR85	80	21.1
04MAR85	110	24.0
15MAR85	20	22.8
15MAR85	40	20.5
15MAR85	80	23.0
15MAR85	110	26.9
20MAR85	20	22.2
20MAR85	40	20.6
20MAR85	80	25.1
20MAR85	110	30.8
27MAR85	20	20.2
27MAR85	40	19.4
27MAR85	80	26.3
27MAR85	110	31.4
05APR85	20	21.4
05APR85	40	20.6
05APR85	80	27.5
05APR85	110	31.8
12APR85	20	20.3
12APR85	40	20.3
12APR85	80	27.6
12APR85	110	32.0
24APR85	20	19.5
24APR85	40	19.8
24APR85	80	26.6
24APR85	110	31.7
01MAY85	20	20.9
01MAY85	40	21.6
01MAY85	80	29.2
01MAY85	110	32.4
10MAY85	20	19.2
10MAY85	40	20.8

10MAY85	80	29.0
10MAY85	110	32.3
15MAY85	20	17.9
15MAY85	40	19.8
15MAY85	80	28.0
15MAY85	110	32.4
24MAY85	20	21.1
24MAY85	40	20.0
24MAY85	80	27.8
24MAY85	110	32.7
30MAY85	20	18.5
30MAY85	40	19.9
30MAY85	80	28.1
30MAY85	110	32.1
04JUN85	20	16.9
04JUN85	40	18.5
04JUN85	80	26.4
04JUN85	110	31.6
14JUN85	20	16.0
14JUN85	40	17.5
14JUN85	80	24.8
14JUN85	110	31.0
21JUN85	20	16.0
21JUN85	40	16.4
21JUN85	80	23.8
21JUN85	110	30.7
26JUN85	20	16.4
26JUN85	40	15.6
26JUN85	80	23.1
26JUN85	110	28.8
03JUL85	20	15.4
03JUL85	40	15.6
03JUL85	80	22.9
03JUL85	110	28.4
10JUL85	20	12.3
10JUL85	40	13.6
10JUL85	80	20.5
10JUL85	110	25.4
23JUL85	20	14.8
23JUL85	40	13.9
23JUL85	80	19.5
23JUL85	110	23.1
30JUL85	20	13.5
30JUL85	40	13.4
30JUL85	80	18.9
30JUL85	110	22.6
06AUG85	20	12.6
06AUG85	40	12.8
06AUG85	80	18.0
06AUG85	110	21.5
15AUG85	20	16.9
15AUG85	40	16.8
15AUG85	80	21.1
15AUG85	110	25.2

-----Type = Control Plot 2 Tube Number = 126-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
31MAY84	30	10.7
31MAY84	60	8.6
31MAY84	90	8.4
31MAY84	120	10.4
02JUL84	0	1.0
02JUL84	30	11.6
02JUL84	60	8.3
02JUL84	90	8.8
02JUL84	120	10.4
23JUL84	30	7.1
23JUL84	60	7.7
23JUL84	90	8.9
23JUL84	120	10.4
13AUG84	20	14.8
13AUG84	40	12.9
13AUG84	80	9.8
13AUG84	110	9.6
28AUG84	20	15.9
28AUG84	40	11.0
28AUG84	80	10.1
28AUG84	110	10.1
05SEP84	20	9.2
05SEP84	40	9.5
05SEP84	80	10.2
05SEP84	110	10.2
25SEP84	20	5.9
25SEP84	40	6.2
25SEP84	80	9.6
25SEP84	110	10.5
05OCT84	20	8.2
05OCT84	40	6.6
05OCT84	80	9.2
05OCT84	110	10.4
11OCT84	20	8.1
11OCT84	40	6.5
11OCT84	80	9.1
11OCT84	110	10.1
23OCT84	20	17.4
23OCT84	40	8.7
23OCT84	80	9.2
23OCT84	110	10.1
29OCT84	20	18.3
29OCT84	40	15.0
29OCT84	80	9.6
29OCT84	110	10.0
05NOV84	20	15.9

05NOV84	40	13.3
05NOV84	80	11.0
05NOV84	110	10.1
20NOV84	20	14.3
20NOV84	40	12.1
20NOV84	80	11.4
20NOV84	110	10.9
27NOV84	20	14.8
27NOV84	40	12.0
27NOV84	80	11.4
27NOV84	110	11.0
03DEC84	20	14.1
03DEC84	40	11.8
03DEC84	80	11.3
03DEC84	110	11.2
11DEC84	20	15.2
11DEC84	20	15.2
11DEC84	40	11.8
11DEC84	40	11.8
11DEC84	80	11.2
11DEC84	80	11.2
11DEC84	110	11.5
11DEC84	110	11.5
18DEC84	20	17.0
18DEC84	40	12.0
18DEC84	80	11.5
18DEC84	110	11.5
27DEC84	20	18.3
27DEC84	40	12.4
27DEC84	80	11.5
27DEC84	110	12.0
02JAN85	20	20.8
02JAN85	40	18.1
02JAN85	80	20.4
02JAN85	110	21.1
10JAN85	20	19.2
10JAN85	20	19.2
10JAN85	40	16.4
10JAN85	40	16.4
10JAN85	80	19.4
10JAN85	80	19.4
10JAN85	110	22.3
10JAN85	110	22.3
17JAN85	20	20.1
17JAN85	40	15.6
17JAN85	80	18.6
17JAN85	110	22.2
24JAN85	20	26.0
24JAN85	40	16.5
24JAN85	80	18.5
24JAN85	110	21.7
07FEB85	20	28.4
07FEB85	40	15.0
07FEB85	80	18.0

07FEB85	110	20.9
14FEB85	20	27.0
14FEB85	40	15.6
14FEB85	80	17.2
14FEB85	110	20.4
20FEB85	20	21.6
20FEB85	40	16.7
20FEB85	80	17.5
20FEB85	110	20.4
04MAR85	20	20.2
04MAR85	40	16.9
04MAR85	80	20.0
04MAR85	110	24.4
15MAR85	20	22.7
15MAR85	40	20.6
15MAR85	80	21.3
15MAR85	110	26.9
20MAR85	20	22.2
20MAR85	40	20.1
20MAR85	80	23.8
20MAR85	110	30.6
27MAR85	20	20.5
27MAR85	40	18.9
27MAR85	80	24.1
27MAR85	110	31.6
05APR85	20	21.1
05APR85	40	20.6
05APR85	80	25.9
05APR85	110	32.0
12APR85	20	20.0
12APR85	40	20.0
12APR85	80	25.5
12APR85	110	32.8
24APR85	20	19.2
24APR85	40	19.1
24APR85	80	25.1
24APR85	110	31.9
01MAY85	20	22.0
01MAY85	40	21.4
01MAY85	80	27.9
01MAY85	110	32.9
10MAY85	20	19.5
10MAY85	40	19.9
10MAY85	80	27.8
10MAY85	110	32.6
15MAY85	20	18.5
15MAY85	40	19.1
15MAY85	80	26.4
15MAY85	110	32.3
24MAY85	20	20.8
24MAY85	40	19.4
24MAY85	80	26.4
24MAY85	110	31.3
30MAY85	20	18.9

30MAY85	40	18.9
30MAY85	80	26.5
30MAY85	110	32.2
04JUN85	20	17.2
04JUN85	40	17.7
04JUN85	80	25.2
04JUN85	110	31.6
14JUN85	20	16.2
14JUN85	40	16.6
14JUN85	80	23.6
14JUN85	110	30.0
21JUN85	20	15.0
21JUN85	40	15.8
21JUN85	80	22.9
21JUN85	110	29.4
26JUN85	20	16.4
26JUN85	40	15.4
26JUN85	80	21.6
26JUN85	110	28.6
03JUL85	20	15.7
03JUL85	40	15.1
03JUL85	80	21.6
03JUL85	110	28.0
10JUL85	20	12.6
10JUL85	40	13.7
10JUL85	80	19.5
10JUL85	110	25.0
23JUL85	20	15.2
23JUL85	40	14.0
23JUL85	80	18.7
23JUL85	110	23.2
30JUL85	20	13.8
30JUL85	40	13.2
30JUL85	80	18.3
30JUL85	110	22.0
06AUG85	20	13.1
06AUG85	40	14.5
06AUG85	80	17.5
06AUG85	110	20.9
15AUG85	20	17.6
15AUG85	40	16.0
15AUG85	80	19.9
15AUG85	110	25.5

-----Type = Control Plot 2 Tube Number = 127-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
31MAY84	30	9.9
31MAY84	60	8.5
31MAY84	90	8.2

31MAY84	120	9.5
02JUL84	30	9.2
02JUL84	60	8.2
02JUL84	90	8.8
02JUL84	120	9.8
23JUL84	30	7.2
23JUL84	60	8.0
23JUL84	90	8.8
23JUL84	120	9.8
13AUG84	20	15.1
13AUG84	40	15.5
13AUG84	80	13.2
13AUG84	110	10.5
28AUG84	20	15.7
28AUG84	40	13.7
28AUG84	80	12.8
28AUG84	110	12.4
05SEP84	20	10.0
05SEP84	40	11.7
05SEP84	80	12.6
05SEP84	110	13.2
25SEP84	20	7.8
25SEP84	40	8.9
25SEP84	80	11.7
25SEP84	110	12.7
05OCT84	20	10.3
05OCT84	40	9.0
05OCT84	80	11.1
05OCT84	110	12.5
11OCT84	20	9.8
11OCT84	40	9.2
11OCT84	80	11.0
11OCT84	110	12.1
23OCT84	20	16.1
23OCT84	40	11.0
23OCT84	80	10.8
23OCT84	110	11.7
29OCT84	20	17.6
29OCT84	40	16.7
29OCT84	80	12.2
29OCT84	110	11.8
05NOV84	20	15.1
05NOV84	40	15.1
05NOV84	80	13.0
05NOV84	110	12.6
20NOV84	20	13.9
20NOV84	40	13.8
20NOV84	80	13.1
20NOV84	110	13.5
27NOV84	20	13.8
27NOV84	40	13.4
27NOV84	80	13.2
27NOV84	110	13.9
03DEC84	20	13.7

03DEC84	40	13.0
03DEC84	80	12.8
03DEC84	110	14.1
11DEC84	20	14.3
11DEC84	20	14.3
11DEC84	40	12.8
11DEC84	40	12.8
11DEC84	80	12.9
11DEC84	80	12.9
11DEC84	110	13.9
11DEC84	110	13.9
18DEC84	20	15.4
18DEC84	40	13.2
18DEC84	80	12.6
18DEC84	110	13.7
27DEC84	20	17.5
27DEC84	40	13.6
27DEC84	80	12.9
27DEC84	110	14.0
02JAN85	20	19.1
02JAN85	40	19.0
02JAN85	80	21.2
02JAN85	110	23.6
10JAN85	20	17.9
10JAN85	20	17.9
10JAN85	40	17.3
10JAN85	40	17.3
10JAN85	80	20.9
10JAN85	80	20.9
10JAN85	110	24.2
10JAN85	110	24.2
17JAN85	20	19.9
17JAN85	40	16.5
17JAN85	80	20.0
17JAN85	110	23.9
24JAN85	20	24.2
24JAN85	40	17.0
24JAN85	80	19.7
24JAN85	110	23.2
07FEB85	20	28.7
07FEB85	40	15.8
07FEB85	80	18.8
07FEB85	110	22.7
14FEB85	20	27.8
14FEB85	40	16.0
14FEB85	80	18.7
14FEB85	110	22.5
20FEB85	20	21.0
20FEB85	40	17.1
20FEB85	80	18.6
20FEB85	110	22.3
04MAR85	20	18.9
04MAR85	40	17.8
04MAR85	80	21.3

04MAR85	110	26.0
15MAR85	20	22.0
15MAR85	40	21.3
15MAR85	80	23.0
15MAR85	110	27.5
20MAR85	20	21.3
20MAR85	40	20.6
20MAR85	80	25.0
20MAR85	110	30.6
27MAR85	20	19.1
27MAR85	40	19.9
27MAR85	80	26.1
27MAR85	110	31.9
05APR85	20	19.9
05APR85	40	21.0
05APR85	80	26.8
05APR85	110	32.8
12APR85	20	19.6
12APR85	40	20.7
12APR85	80	27.9
12APR85	110	32.1
24APR85	20	18.4
24APR85	40	20.1
24APR85	80	27.3
24APR85	110	31.5
01MAY85	20	20.8
01MAY85	40	23.1
01MAY85	80	29.3
01MAY85	110	32.9
10MAY85	20	18.8
10MAY85	40	21.3
10MAY85	80	29.2
10MAY85	110	33.1
15MAY85	20	17.5
15MAY85	40	20.6
15MAY85	80	28.5
15MAY85	110	33.0
24MAY85	20	19.6
24MAY85	40	20.8
24MAY85	80	29.0
24MAY85	110	32.4
30MAY85	20	18.1
30MAY85	40	20.0
30MAY85	80	28.3
30MAY85	110	32.9
04JUN85	20	16.5
04JUN85	40	18.7
04JUN85	80	26.7
04JUN85	110	31.5
14JUN85	20	16.1
14JUN85	40	17.7
14JUN85	80	25.2
14JUN85	110	30.9
21JUN85	20	15.1

21JUN85	40	17.1
21JUN85	80	24.8
21JUN85	110	29.9
26JUN85	20	16.4
26JUN85	40	17.0
26JUN85	80	24.1
26JUN85	110	30.0
03JUL85	20	14.7
03JUL85	40	16.4
03JUL85	80	22.6
03JUL85	110	29.2
10JUL85	20	12.2
10JUL85	40	14.7
10JUL85	80	20.8
10JUL85	110	26.4
23JUL85	20	14.9
23JUL85	40	15.1
23JUL85	80	20.2
23JUL85	110	24.6
30JUL85	20	13.6
30JUL85	40	14.2
30JUL85	80	19.2
30JUL85	110	23.6
06AUG85	20	12.8
06AUG85	40	13.8
06AUG85	80	18.9
06AUG85	110	22.7
15AUG85	20	16.0
15AUG85	40	17.3
15AUG85	80	22.4
15AUG85	110	27.4

-----Type = Control Plot 2 Tube Number = 128-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
31MAY84	30	10.0
31MAY84	60	8.3
31MAY84	90	8.2
31MAY84	120	9.9
02JUL84	30	10.1
02JUL84	60	8.1
02JUL84	90	8.7
02JUL84	120	10.7
23JUL84	30	6.3
23JUL84	60	8.0
23JUL84	90	8.8
23JUL84	120	10.5
13AUG84	20	13.9
13AUG84	40	11.7
13AUG84	80	9.3
13AUG84	110	9.4

28AUG84	20	13.9
28AUG84	40	10.1
28AUG84	80	10.0
28AUG84	110	10.0
05SEP84	20	7.4
05SEP84	40	8.7
05SEP84	80	10.2
05SEP84	110	10.1
25SEP84	20	4.7
25SEP84	40	6.1
25SEP84	80	9.7
25SEP84	110	10.3
05OCT84	20	7.6
05OCT84	40	6.5
05OCT84	80	9.5
05OCT84	110	10.6
11OCT84	20	7.0
11OCT84	40	6.5
11OCT84	80	9.3
11OCT84	110	10.3
23OCT84	20	13.4
23OCT84	40	7.5
23OCT84	80	9.5
23OCT84	110	10.0
29OCT84	20	17.2
29OCT84	40	12.9
29OCT84	80	9.5
29OCT84	110	10.0
05NOV84	20	14.9
05NOV84	40	12.3
05NOV84	80	11.0
05NOV84	110	10.1
20NOV84	20	13.6
20NOV84	40	11.6
20NOV84	80	11.8
20NOV84	110	11.1
27NOV84	20	14.0
27NOV84	40	11.6
27NOV84	80	11.8
27NOV84	110	11.5
03DEC84	20	13.9
03DEC84	40	11.2
03DEC84	80	11.7
03DEC84	110	11.8
11DEC84	20	14.5
11DEC84	20	14.5
11DEC84	40	11.1
11DEC84	40	11.1
11DEC84	80	11.7
11DEC84	80	11.7
11DEC84	110	12.0
11DEC84	110	12.0
18DEC84	20	14.9
18DEC84	40	11.4

18DEC84	80	11.6
18DEC84	110	12.3
27DEC84	20	15.8
27DEC84	40	11.5
27DEC84	80	12.0
27DEC84	110	12.3
02JAN85	20	19.7
02JAN85	40	16.5
02JAN85	80	17.0
02JAN85	110	14.9
10JAN85	20	18.6
10JAN85	20	18.6
10JAN85	40	14.8
10JAN85	40	14.8
10JAN85	80	17.5
10JAN85	80	17.5
10JAN85	110	20.8
10JAN85	110	20.8
17JAN85	20	20.9
17JAN85	40	13.7
17JAN85	80	17.4
17JAN85	110	21.0
24JAN85	20	26.9
24JAN85	40	14.7
24JAN85	80	17.1
24JAN85	110	21.1
07FEB85	20	29.2
07FEB85	40	14.5
07FEB85	80	16.5
07FEB85	110	20.6
14FEB85	20	30.1
14FEB85	40	15.0
14FEB85	80	16.3
14FEB85	110	19.5
20FEB85	20	22.6
20FEB85	40	16.2
20FEB85	80	16.2
20FEB85	110	19.7
04MAR85	20	19.9
04MAR85	40	16.4
04MAR85	80	20.0
04MAR85	110	24.2
15MAR85	20	21.7
15MAR85	40	18.4
15MAR85	80	22.5
15MAR85	110	27.0
20MAR85	20	22.0
20MAR85	40	18.0
20MAR85	80	25.7
20MAR85	110	30.8
27MAR85	20	19.5
27MAR85	40	17.5
27MAR85	80	27.2
27MAR85	110	32.0

05APR85	20	20.3
05APR85	40	18.1
05APR85	80	28.2
05APR85	110	31.8
12APR85	20	19.4
12APR85	40	18.3
12APR85	80	28.0
12APR85	110	31.9
24APR85	20	18.7
24APR85	40	17.0
24APR85	80	27.0
24APR85	110	32.4
01MAY85	20	20.8
01MAY85	40	19.6
01MAY85	80	29.9
01MAY85	110	32.4
10MAY85	20	18.6
10MAY85	40	18.9
10MAY85	80	29.5
10MAY85	110	32.3
15MAY85	20	17.2
15MAY85	40	17.8
15MAY85	80	28.5
15MAY85	110	32.1
24MAY85	20	20.4
24MAY85	40	18.6
24MAY85	80	28.2
24MAY85	110	31.7
30MAY85	20	17.5
30MAY85	40	17.8
30MAY85	80	28.3
30MAY85	110	32.3
04JUN85	20	16.3
04JUN85	40	17.0
04JUN85	80	26.5
04JUN85	110	31.3
14JUN85	20	15.7
14JUN85	40	16.0
14JUN85	80	26.2
14JUN85	110	31.0
21JUN85	20	14.0
21JUN85	40	15.2
21JUN85	80	24.9
21JUN85	110	30.0
26JUN85	20	14.9
26JUN85	40	15.0
26JUN85	80	23.6
26JUN85	110	29.1
03JUL85	20	13.4
03JUL85	40	14.5
03JUL85	80	22.8
03JUL85	110	28.7
10JUL85	20	11.3
10JUL85	40	12.8

10JUL85	80	20.7
10JUL85	110	25.4
23JUL85	20	14.2
23JUL85	40	13.5
23JUL85	80	19.8
23JUL85	110	23.7
30JUL85	20	12.9
30JUL85	40	12.7
30JUL85	80	18.7
30JUL85	110	22.6
06AUG85	20	11.9
06AUG85	40	11.9
06AUG85	80	18.1
06AUG85	110	21.6
15AUG85	20	16.0
15AUG85	40	15.4
15AUG85	80	21.4
15AUG85	110	25.6

-----Type - Control Plot 2 Tube Number - 129-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
31MAY84	30	9.6
31MAY84	60	8.1
31MAY84	90	8.3
31MAY84	120	10.6
02JUL84	30	10.5
02JUL84	60	8.1
02JUL84	90	8.6
02JUL84	120	10.7
23JUL84	30	6.2
23JUL84	60	7.8
23JUL84	90	8.7
23JUL84	120	10.3
13AUG84	20	12.7
13AUG84	40	9.9
13AUG84	80	8.7
13AUG84	110	9.3
28AUG84	20	13.7
28AUG84	40	8.9
28AUG84	80	8.9
28AUG84	110	9.5
05SEP84	20	6.4
05SEP84	40	7.5
05SEP84	80	9.1
05SEP84	110	9.5
25SEP84	20	4.5
25SEP84	40	4.7
25SEP84	80	8.9
25SEP84	110	9.6

05OCT84	20	7.7
05OCT84	40	5.2
05OCT84	80	8.8
05OCT84	110	9.8
11OCT84	20	6.8
11OCT84	40	5.2
11OCT84	80	8.7
11OCT84	110	9.5
23OCT84	20	15.1
23OCT84	40	6.9
23OCT84	80	8.6
23OCT84	110	9.3
29OCT84	20	17.8
29OCT84	40	14.5
29OCT84	80	8.6
29OCT84	110	9.2
05NOV84	20	15.7
05NOV84	40	13.3
05NOV84	80	10.2
05NOV84	110	9.4
20NOV84	20	13.8
20NOV84	40	12.1
20NOV84	80	10.9
20NOV84	110	9.7
27NOV84	20	14.2
27NOV84	40	11.8
27NOV84	80	10.8
27NOV84	110	10.1
03DEC84	20	14.0
03DEC84	40	11.6
03DEC84	80	10.9
03DEC84	110	10.5
11DEC84	20	14.7
11DEC84	20	14.7
11DEC84	40	11.6
11DEC84	40	11.6
11DEC84	80	10.8
11DEC84	80	10.8
11DEC84	110	10.6
11DEC84	110	10.6
18DEC84	20	16.0
18DEC84	40	11.7
18DEC84	80	11.1
18DEC84	110	10.7
27DEC84	20	16.0
27DEC84	40	11.8
27DEC84	80	11.0
27DEC84	110	10.9
02JAN85	20	19.7
02JAN85	40	17.8
02JAN85	80	17.8
02JAN85	110	15.1
10JAN85	20	18.2
10JAN85	20	18.2

10JAN85	40	15.7
10JAN85	40	15.7
10JAN85	80	17.3
10JAN85	80	17.3
10JAN85	110	18.8
10JAN85	110	18.8
17JAN85	20	20.2
17JAN85	40	14.3
17JAN85	80	17.1
17JAN85	110	19.4
24JAN85	20	24.4
24JAN85	40	14.7
24JAN85	80	16.9
24JAN85	110	19.3
07FEB85	20	29.5
07FEB85	40	14.7
07FEB85	80	16.5
07FEB85	110	19.5
14FEB85	20	28.9
14FEB85	40	14.9
14FEB85	80	15.9
14FEB85	110	18.9
20FEB85	20	22.8
20FEB85	40	16.6
20FEB85	80	16.4
20FEB85	110	18.7
04MAR85	20	20.3
04MAR85	40	17.4
04MAR85	80	18.4
04MAR85	110	22.8
15MAR85	20	21.8
15MAR85	40	20.2
15MAR85	80	20.9
15MAR85	110	27.1
20MAR85	20	21.8
20MAR85	40	19.7
20MAR85	80	23.8
20MAR85	110	30.8
27MAR85	20	19.8
27MAR85	40	18.8
27MAR85	80	25.2
27MAR85	110	31.9
05APR85	20	20.9
05APR85	40	19.5
05APR85	80	26.3
05APR85	110	32.6
12APR85	20	19.7
12APR85	40	19.2
12APR85	80	26.3
12APR85	110	32.2
24APR85	20	18.5
24APR85	40	18.5
24APR85	80	26.6
24APR85	110	32.2

01MAY85	20	21.5
01MAY85	40	21.0
01MAY85	80	28.4
01MAY85	110	32.4
10MAY85	20	19.2
10MAY85	40	20.2
10MAY85	80	27.6
10MAY85	110	32.7
15MAY85	20	17.9
15MAY85	40	19.6
15MAY85	80	27.1
15MAY85	110	33.0
24MAY85	20	20.1
24MAY85	40	19.1
24MAY85	80	27.2
24MAY85	110	32.5
30MAY85	20	18.0
30MAY85	40	18.9
30MAY85	80	27.0
30MAY85	110	32.6
04JUN85	20	17.0
04JUN85	40	17.6
04JUN85	80	25.6
04JUN85	110	31.7
14JUN85	20	15.4
14JUN85	40	17.1
14JUN85	80	23.8
14JUN85	110	30.5
21JUN85	20	14.8
21JUN85	40	16.0
21JUN85	80	23.7
21JUN85	110	29.6
26JUN85	20	15.1
26JUN85	40	15.4
26JUN85	80	22.2
26JUN85	110	28.6
03JUL85	20	14.7
03JUL85	40	14.7
03JUL85	80	22.1
03JUL85	110	28.1
10JUL85	20	11.8
10JUL85	40	13.6
10JUL85	80	20.4
10JUL85	110	25.2
23JUL85	20	14.3
23JUL85	40	13.9
23JUL85	80	19.0
23JUL85	110	23.3
30JUL85	20	13.3
30JUL85	40	13.2
30JUL85	80	18.8
30JUL85	110	22.2
06AUG85	20	12.2
06AUG85	40	12.3

06AUG85	80	18.1
06AUG85	110	21.7
15AUG85	20	16.8
15AUG85	40	15.9
15AUG85	80	21.2
15AUG85	110	25.7

-----Type = Control Plot 2 Tube Number = 130-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
31MAY84	30	9.5
31MAY84	60	7.7
31MAY84	90	9.1
31MAY84	120	9.9
02JUL84	30	9.0
02JUL84	60	7.9
02JUL84	90	9.5
02JUL84	120	10.0
23JUL84	30	6.3
23JUL84	60	8.5
23JUL84	90	10.2
23JUL84	120	10.7
13AUG84	20	13.6
13AUG84	40	11.6
13AUG84	80	10.0
13AUG84	110	10.7
28AUG84	20	12.6
28AUG84	40	9.8
28AUG84	80	10.6
28AUG84	110	11.3
25SEP84	20	4.8
25SEP84	40	6.4
25SEP84	80	10.5
25SEP84	110	11.5
05OCT84	20	7.0
05OCT84	40	7.0
05OCT84	80	10.2
05OCT84	110	11.3
11OCT84	20	6.5
11OCT84	40	7.1
11OCT84	80	10.1
11OCT84	110	11.1
23OCT84	20	11.3
23OCT84	40	7.8
23OCT84	80	9.9
23OCT84	110	10.9
29OCT84	20	16.7
29OCT84	40	13.8
29OCT84	80	9.9
29OCT84	110	11.0

05NOV84	20	14.6
05NOV84	40	13.0
05NOV84	80	11.0
05NOV84	110	11.0
20NOV84	20	13.1
20NOV84	40	12.1
20NOV84	80	11.6
20NOV84	110	12.0
27NOV84	20	13.4
27NOV84	40	11.7
27NOV84	80	11.6
27NOV84	110	12.0
03DEC84	20	13.2
03DEC84	40	11.9
03DEC84	80	11.6
03DEC84	110	12.2
11DEC84	20	13.9
11DEC84	40	11.7
11DEC84	80	11.6
11DEC84	110	12.7
18DEC84	20	14.4
18DEC84	40	11.9
18DEC84	80	11.7
18DEC84	110	12.9
27DEC84	20	14.9
27DEC84	40	12.3
27DEC84	80	11.9
27DEC84	110	12.8
02JAN85	20	18.8
02JAN85	40	17.9
02JAN85	80	16.1
02JAN85	110	16.0
10JAN85	20	16.8
10JAN85	20	16.8
10JAN85	40	16.1
10JAN85	40	16.1
10JAN85	80	16.5
10JAN85	80	16.5
10JAN85	110	21.0
10JAN85	110	21.0
17JAN85	20	19.2
17JAN85	40	14.9
17JAN85	80	16.3
17JAN85	110	21.7
24JAN85	20	24.0
24JAN85	40	15.5
24JAN85	80	16.4
24JAN85	110	21.7
07FEB85	20	28.1
07FEB85	40	14.9
07FEB85	80	15.7
07FEB85	110	21.0
14FEB85	20	28.9
14FEB85	40	15.3

14FEB85	80	15.7
14FEB85	110	20.9
20FEB85	20	21.8
20FEB85	40	16.8
20FEB85	80	15.7
20FEB85	110	20.5
04MAR85	20	19.1
04MAR85	40	17.1
04MAR85	80	18.9
04MAR85	110	24.5
15MAR85	20	21.6
15MAR85	40	20.1
15MAR85	80	20.8
15MAR85	110	26.2
20MAR85	20	20.9
20MAR85	40	19.8
20MAR85	80	24.0
20MAR85	110	30.9
27MAR85	20	19.4
27MAR85	40	18.8
27MAR85	80	25.4
27MAR85	110	32.0
05APR85	20	20.0
05APR85	40	19.8
05APR85	80	27.1
05APR85	110	32.6
12APR85	20	19.3
12APR85	40	19.7
12APR85	80	27.5
12APR85	110	33.0
24APR85	20	18.4
24APR85	40	19.2
24APR85	80	26.2
24APR85	110	32.6
01MAY85	20	20.6
01MAY85	40	21.6
01MAY85	80	28.6
01MAY85	110	33.0
10MAY85	20	18.8
10MAY85	40	20.9
10MAY85	80	28.8
10MAY85	110	33.2
15MAY85	20	17.8
15MAY85	40	20.2
15MAY85	80	27.7
15MAY85	110	33.1
24MAY85	20	19.6
24MAY85	40	20.2
24MAY85	80	28.3
24MAY85	110	32.5
30MAY85	20	18.2
30MAY85	40	19.9
30MAY85	80	27.4
30MAY85	110	32.7

04JUN85	20	17.1
04JUN85	40	18.7
04JUN85	80	26.1
04JUN85	110	32.0
14JUN85	20	15.9
14JUN85	40	17.8
14JUN85	80	24.8
14JUN85	110	31.3
21JUN85	20	15.3
21JUN85	40	16.7
21JUN85	80	23.3
21JUN85	110	30.8
26JUN85	20	15.5
26JUN85	40	16.1
26JUN85	80	21.9
26JUN85	110	29.4
03JUL85	20	14.0
03JUL85	40	16.0
03JUL85	80	21.9
03JUL85	110	28.5
10JUL85	20	12.6
10JUL85	40	14.4
10JUL85	80	20.0
10JUL85	110	26.0
23JUL85	20	14.5
23JUL85	40	14.3
23JUL85	80	19.2
23JUL85	110	24.5
30JUL85	20	13.2
30JUL85	40	13.9
30JUL85	80	18.5
30JUL85	110	23.6
06AUG85	20	12.3
06AUG85	40	13.3
06AUG85	80	18.1
06AUG85	110	22.4
15AUG85	20	16.7
15AUG85	40	17.4
15AUG85	80	21.1
15AUG85	110	27.3

-----Type = Experimental Plot 1 Tube Number = 101-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	30	1.2
02JUL84	60	23.4
02JUL84	90	25.7
02JUL84	120	5.7
23JUL84	30	12.1
23JUL84	60	21.6

23JUL84	90	23.3
23JUL84	120	6.1
28AUG84	20	25.8
28AUG84	40	23.8
28AUG84	60	22.9
05SEP84	20	16.9
05SEP84	40	20.1
05SEP84	60	20.3
25SEP84	20	10.9
25SEP84	40	13.0
25SEP84	60	13.0
05OCT84	20	13.4
05OCT84	40	13.4
05OCT84	60	13.0
11OCT84	20	12.1
11OCT84	40	13.1
11OCT84	60	13.1
23OCT84	20	18.9
23OCT84	40	13.6
23OCT84	60	12.9
29OCT84	20	24.9
29OCT84	40	17.6
29OCT84	60	13.1
05NOV84	20	22.0
05NOV84	40	18.0
05NOV84	60	13.5
20NOV84	20	20.2
20NOV84	40	17.7
20NOV84	60	13.2
27NOV84	20	19.9
27NOV84	40	17.4
27NOV84	60	13.2
03DEC84	20	19.8
03DEC84	40	17.8
03DEC84	60	13.3
11DEC84	20	20.6
11DEC84	20	20.6
11DEC84	40	17.7
11DEC84	40	17.7
11DEC84	60	13.2
11DEC84	60	13.2
18DEC84	20	22.4
18DEC84	40	17.7
18DEC84	60	13.4
27DEC84	20	25.3
27DEC84	40	18.6
27DEC84	60	13.5
02JAN85	20	27.2
02JAN85	40	28.7
02JAN85	60	31.3
10JAN85	20	27.1
10JAN85	20	27.1
10JAN85	40	27.6
10JAN85	40	27.6

10JAN85	60	30.3
10JAN85	60	30.3
17JAN85	20	28.5
17JAN85	40	26.7
17JAN85	60	29.5
24JAN85	20	30.7
24JAN85	40	26.8
24JAN85	60	28.9
07FEB85	20	32.5
07FEB85	40	28.8
07FEB85	60	28.3
14FEB85	20	33.9
14FEB85	40	29.7
14FEB85	60	27.8
20FEB85	20	31.3
20FEB85	40	29.7
20FEB85	60	28.4
04MAR85	20	29.6
04MAR85	40	30.1
04MAR85	60	31.5
15MAR85	20	31.1
15MAR85	40	31.6
15MAR85	60	32.0
20MAR85	20	31.1
20MAR85	40	31.4
20MAR85	60	32.9
27MAR85	20	28.7
27MAR85	40	29.9
27MAR85	60	31.2
05APR85	20	28.9
05APR85	40	29.5
05APR85	60	31.7
12APR85	20	27.1
12APR85	40	27.8
12APR85	60	30.5
24APR85	20	22.3
24APR85	40	26.7
24APR85	60	28.5
01MAY85	20	29.3
01MAY85	40	30.2
01MAY85	60	32.4
10MAY85	20	23.8
10MAY85	40	27.6
10MAY85	60	30.0
15MAY85	20	18.6
15MAY85	40	24.9
15MAY85	60	27.8
24MAY85	20	23.4
24MAY85	40	23.9
24MAY85	60	25.9
30MAY85	20	16.6
30MAY85	40	20.0
30MAY85	60	23.2
04JUN85	20	13.6

04JUN85	40	16.1
04JUN85	60	18.0
14JUN85	20	1.6
14JUN85	40	13.3
14JUN85	60	12.8
21JUN85	20	11.1
21JUN85	40	12.5
21JUN85	60	12.9
26JUN85	20	11.9
26JUN85	40	14.4
26JUN85	60	13.0
03JUL85	20	10.5
03JUL85	40	12.4
03JUL85	60	12.1
10JUL85	20	10.1
10JUL85	40	11.3
10JUL85	60	11.6
23JUL85	20	22.0
23JUL85	40	24.7
23JUL85	60	18.2
30JUL85	20	16.4
30JUL85	40	20.4
30JUL85	60	14.1
06AUG85	20	13.3
06AUG85	40	14.1
06AUG85	60	12.9
15AUG85	20	25.0
15AUG85	40	27.7
15AUG85	60	19.2

-----Type = Experimental Plot 1 Tube Number = 102-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	30	1.7
02JUL84	60	16.2
02JUL84	90	22.3
02JUL84	120	6.6
23JUL84	30	13.0
23JUL84	60	18.3
23JUL84	90	20.4
23JUL84	120	6.7
28AUG84	20	15.6
28AUG84	40	15.1
28AUG84	60	16.6
05SEP84	20	12.3
05SEP84	40	14.8
05SEP84	60	16.2
25SEP84	20	10.3
25SEP84	40	12.6
25SEP84	60	14.1

05OCT84	20	12.2
05OCT84	40	12.9
05OCT84	60	14.0
11OCT84	20	11.9
11OCT84	40	12.6
11OCT84	60	14.1
23OCT84	20	16.8
23OCT84	40	13.1
23OCT84	60	14.1
29OCT84	20	23.8
29OCT84	40	16.0
29OCT84	60	14.0
05NOV84	20	22.0
05NOV84	40	16.6
05NOV84	60	8.5
20NOV84	20	20.2
20NOV84	40	16.7
20NOV84	60	14.0
27NOV84	20	20.4
27NOV84	40	16.4
27NOV84	60	13.7
03DEC84	20	20.3
03DEC84	40	16.6
03DEC84	60	14.1
11DEC84	20	20.9
11DEC84	20	20.9
11DEC84	40	16.8
11DEC84	40	16.8
11DEC84	60	14.3
11DEC84	60	14.3
18DEC84	20	22.3
18DEC84	40	16.9
18DEC84	60	14.2
27DEC84	20	23.3
27DEC84	40	17.2
27DEC84	60	14.1
02JAN85	20	25.8
02JAN85	40	26.7
02JAN85	60	25.1
10JAN85	20	24.8
10JAN85	20	24.8
10JAN85	40	26.3
10JAN85	40	26.3
10JAN85	60	25.5
10JAN85	60	25.5
17JAN85	20	24.7
17JAN85	40	25.8
17JAN85	60	25.2
24JAN85	20	28.5
24JAN85	40	25.9
24JAN85	60	25.0
07FEB85	20	29.7
07FEB85	40	26.1
07FEB85	60	25.0

14FEB85	20	30.2
14FEB85	40	26.1
14FEB85	60	24.9
20FEB85	20	28.2
20FEB85	40	27.2
20FEB85	60	25.9
04MAR85	20	28.0
04MAR85	40	27.7
04MAR85	60	27.9
15MAR85	20	29.5
15MAR85	40	30.2
15MAR85	60	30.0
20MAR85	20	29.4
20MAR85	40	29.5
20MAR85	60	29.8
27MAR85	20	27.2
27MAR85	40	28.5
27MAR85	60	30.4
05APR85	20	27.9
05APR85	40	29.5
05APR85	60	30.7
12APR85	20	25.6
12APR85	40	27.9
12APR85	60	28.9
24APR85	20	22.3
24APR85	40	25.8
24APR85	60	27.2
01MAY85	20	28.1
01MAY85	40	29.2
01MAY85	60	30.3
10MAY85	20	23.7
10MAY85	40	27.0
10MAY85	60	29.2
15MAY85	20	18.7
15MAY85	40	24.9
15MAY85	60	26.9
24MAY85	20	22.8
24MAY85	40	23.1
24MAY85	60	25.7
30MAY85	20	17.3
30MAY85	40	20.9
30MAY85	60	23.3
04JUN85	20	13.8
04JUN85	40	17.3
04JUN85	60	19.4
14JUN85	20	12.4
14JUN85	40	13.2
14JUN85	60	14.3
21JUN85	20	11.1
21JUN85	40	12.8
21JUN85	60	13.5
26JUN85	20	11.9
26JUN85	40	12.3
26JUN85	60	13.1

03JUL85	20	10.6
03JUL85	40	11.9
03JUL85	60	12.8
10JUL85	20	10.2
10JUL85	40	11.5
10JUL85	60	12.1
23JUL85	20	16.3
23JUL85	40	13.9
23JUL85	60	12.5
27JUL85	20	11.0
30JUL85	40	12.1
30JUL85	60	11.6
06AUG85	20	10.9
06AUG85	40	11.8
06AUG85	60	11.5
15AUG85	20	24.1
15AUG85	40	21.9
15AUG85	60	12.8

-----Type - Experimental Plot 1 Tube Number - 103-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	30	1.4
02JUL84	60	26.3
02JUL84	90	33.2
02JUL84	120	7.3
23JUL84	30	23.7
23JUL84	60	28.0
23JUL84	90	27.1
23JUL84	120	7.5
28AUG84	20	26.6
28AUG84	40	26.7
28AUG84	60	27.4
05SEP84	20	19.5
05SEP84	40	24.6
05SEP84	60	26.1
25SEP84	20	12.3
25SEP84	40	15.0
25SEP84	60	17.3
05OCT84	20	14.3
05OCT84	40	14.6
05OCT84	60	16.2
11OCT84	20	13.2
11OCT84	40	15.0
11OCT84	60	16.1
23OCT84	20	18.0
23OCT84	40	14.9
23OCT84	60	16.0
29OCT84	20	25.2
29OCT84	40	19.1

29OCT84	60	16.2
05NOV84	20	23.0
05NOV84	40	19.7
05NOV84	60	16.4
20NOV84	20	20.3
20NOV84	40	19.5
20NOV84	60	16.8
27NOV84	20	21.0
27NOV84	40	19.2
27NOV84	60	16.4
03DEC84	20	20.5
03DEC84	40	19.3
03DEC84	60	16.7
11DEC84	20	21.0
11DEC84	20	21.0
11DEC84	40	19.1
11DEC84	40	19.1
11DEC84	60	16.6
11DEC84	60	16.6
18DEC84	20	22.5
18DEC84	40	19.3
18DEC84	60	16.7
27DEC84	20	24.9
27DEC84	40	19.5
27DEC84	60	16.6
02JAN85	20	27.2
02JAN85	40	28.4
02JAN85	60	29.7
10JAN85	20	26.6
10JAN85	20	26.6
10JAN85	40	27.6
10JAN85	40	27.6
10JAN85	60	29.2
10JAN85	60	29.2
17JAN85	20	29.0
17JAN85	40	26.8
17JAN85	60	28.9
24JAN85	20	30.6
24JAN85	40	27.6
24JAN85	60	28.4
07FEB85	20	30.9
07FEB85	40	27.9
07FEB85	60	28.1
14FEB85	20	30.7
14FEB85	40	28.4
14FEB85	60	27.3
20FEB85	20	29.4
20FEB85	40	28.6
20FEB85	60	28.3
04MAR85	20	28.9
04MAR85	40	29.6
04MAR85	60	30.6
15MAR85	20	30.9
15MAR85	40	31.2

15MAR85	60	31.7
20MAR85	20	30.0
20MAR85	40	30.7
20MAR85	60	31.4
27MAR85	20	28.7
27MAR85	40	29.9
27MAR85	60	31.3
05APR85	20	29.1
05APR85	40	29.8
05APR85	60	30.9
12APR85	20	27.2
12APR85	40	29.3
12APR85	60	30.8
24APR85	20	23.7
24APR85	40	25.9
24APR85	60	28.5
01MAY85	20	29.0
01MAY85	40	30.4
01MAY85	60	31.4
10MAY85	20	24.0
10MAY85	40	27.9
10MAY85	60	28.4
15MAY85	20	20.4
15MAY85	40	25.5
15MAY85	60	27.8
24MAY85	20	23.3
24MAY85	40	24.0
24MAY85	60	25.7
30MAY85	20	18.9
30MAY85	40	21.5
30MAY85	60	23.7
04JUN85	20	15.3
04JUN85	40	18.1
04JUN85	60	20.4
14JUN85	20	12.9
14JUN85	40	14.4
14JUN85	60	15.3
21JUN85	20	11.3
21JUN85	40	12.8
21JUN85	60	13.7
26JUN85	20	11.8
26JUN85	40	12.8
26JUN85	60	12.6
03JUL85	20	10.8
03JUL85	40	12.0
03JUL85	60	12.7
10JUL85	20	10.4
10JUL85	40	11.1
10JUL85	60	11.9
23JUL85	20	15.4
23JUL85	40	12.4
23JUL85	60	11.8
30JUL85	20	13.1
30JUL85	40	12.0

30JUL85	60	11.7
06AUG85	20	11.4
06AUG85	40	11.7
06AUG85	60	11.6
15AUG85	20	24.3
15AUG85	40	17.9
15AUG85	60	12.2

-----Type = Experimental Plot 1 Tube Number = 104-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	30	1.2
02JUL84	60	19.3
02JUL84	90	7.7
02JUL84	120	4.5
02JUL84	150	3.7
02JUL84	180	4.2
02JUL84	210	7.1
02JUL84	240	9.0
23JUL84	30	11.8
23JUL84	60	13.8
23JUL84	90	5.1
23JUL84	120	4.5
23JUL84	150	3.5
23JUL84	180	4.0
23JUL84	210	6.8
23JUL84	240	9.1
28AUG84	20	26.6
28AUG84	40	25.6
28AUG84	220	7.5
05SEP84	20	17.4
05SEP84	40	20.0
05SEP84	220	7.4
25SEP84	20	10.2
25SEP84	40	11.8
25SEP84	220	7.4
05OCT84	20	14.7
05OCT84	40	11.9
05OCT84	220	7.5
11OCT84	20	14.0
11OCT84	40	12.1
11OCT84	220	7.4
23OCT84	20	24.1
23OCT84	40	13.9
23OCT84	220	7.6
29OCT84	20	25.9
29OCT84	40	24.3
29OCT84	220	7.4
05NOV84	20	23.6
05NOV84	40	23.6

05NOV84	220	7.2
20NOV84	20	22.2
20NOV84	40	22.7
20NOV84	220	7.4
27NOV84	20	22.4
27NOV84	40	22.9
27NOV84	220	7.4
03DEC84	20	21.9
03DEC84	40	22.1
03DEC84	220	7.3
11DEC84	20	22.9
11DEC84	20	22.9
11DEC84	40	22.6
11DEC84	40	22.6
11DEC84	220	7.2
11DEC84	220	7.2
18DEC84	20	24.0
18DEC84	40	22.9
18DEC84	220	7.4
27DEC84	20	24.6
27DEC84	40	23.2
27DEC84	220	7.3
02JAN85	20	28.3
02JAN85	40	31.0
02JAN85	220	14.1
10JAN85	20	27.1
10JAN85	20	27.1
10JAN85	40	29.4
10JAN85	40	29.4
10JAN85	220	13.2
10JAN85	220	13.2
17JAN85	20	28.2
17JAN85	40	28.2
17JAN85	220	12.6
24JAN85	20	32.9
24JAN85	40	29.7
24JAN85	220	12.2
07FEB85	20	34.1
07FEB85	40	28.9
07FEB85	220	12.7
14FEB85	20	34.7
14FEB85	40	28.8
14FEB85	220	12.8
20FEB85	20	31.0
20FEB85	40	29.2
20FEB85	220	12.4
04MAR85	20	31.0
04MAR85	40	31.5
04MAR85	220	13.0
15MAR85	20	31.7
15MAR85	40	32.5
15MAR85	220	15.6
20MAR85	20	31.1
20MAR85	40	32.0

20MAR85	220	20.3
27MAR85	20	30.2
27MAR85	40	31.2
27MAR85	220	20.8
05APR85	20	29.9
05APR85	40	32.5
05APR85	220	22.4
12APR85	20	29.5
12APR85	40	30.5
12APR85	220	22.1
24APR85	20	26.9
24APR85	40	27.7
24APR85	220	21.4
01MAY85	20	29.8
01MAY85	40	31.3
01MAY85	220	22.3
10MAY85	20	25.9
10MAY85	40	28.6
10MAY85	220	22.9
15MAY85	20	21.6
15MAY85	40	26.3
15MAY85	220	22.9
24MAY85	20	27.1
24MAY85	40	27.0
24MAY85	220	22.9
30MAY85	20	21.8
30MAY85	40	24.3
30MAY85	220	22.2
04JUN85	20	18.2
04JUN85	40	21.2
04JUN85	220	22.0
14JUN85	20	14.9
14JUN85	40	16.6
14JUN85	220	21.9
21JUN85	20	11.5
21JUN85	40	13.2
21JUN85	220	22.1
26JUN85	20	15.5
26JUN85	40	15.4
26JUN85	220	23.0
03JUL85	20	11.1
03JUL85	40	12.6
03JUL85	220	22.1
10JUL85	20	9.9
10JUL85	40	11.8
10JUL85	220	21.8
23JUL85	20	22.3
23JUL85	40	23.9
23JUL85	220	22.3
30JUL85	20	16.9
30JUL85	40	20.2
30JUL85	220	21.8
06AUG85	20	14.0
06AUG85	40	11.7

06AUG85	220	21.3
15AUG85	20	25.6
15AUG85	40	26.5
15AUG85	220	21.9

-----Type = Experimental Plot 1 Tube Number = 105-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	30	15.1
02JUL84	60	20.0
02JUL84	90	5.3
02JUL84	120	4.0
02JUL84	150	3.0
02JUL84	180	3.5
02JUL84	210	7.0
02JUL84	240	8.9
23JUL84	30	11.9
23JUL84	60	14.6
23JUL84	90	5.3
23JUL84	120	4.3
23JUL84	150	3.1
23JUL84	180	3.5
23JUL84	210	6.9
23JUL84	240	9.2
28AUG84	20	16.0
28AUG84	40	13.4
28AUG84	220	7.4
05SEP84	20	10.8
05SEP84	40	13.1
05SEP84	220	7.4
25SEP84	20	9.8
25SEP84	40	11.9
25SEP84	220	7.2
05OCT84	20	12.5
05OCT84	40	12.1
05OCT84	220	7.3
11OCT84	20	12.1
11OCT84	40	12.4
11OCT84	220	7.2
23OCT84	20	20.3
23OCT84	40	12.7
23OCT84	220	7.4
29OCT84	20	23.4
29OCT84	40	19.3
29OCT84	220	7.2
05NOV84	20	22.0
05NOV84	40	20.5
05NOV84	220	7.2
20NOV84	20	20.0
20NOV84	40	19.8

20NOV84	220	7.2
27NOV84	20	21.0
27NOV84	40	19.8
27NOV84	220	7.2
03DEC84	20	20.1
03DEC84	40	20.0
03DEC84	220	7.2
11DEC84	20	21.2
11DEC84	20	21.2
11DEC84	40	20.0
11DEC84	40	20.0
11DEC84	220	7.1
11DEC84	220	7.1
18DEC84	20	22.9
18DEC84	40	20.3
18DEC84	220	7.1
27DEC84	20	23.0
27DEC84	40	21.1
27DEC84	220	7.1
02JAN85	20	26.9
02JAN85	40	30.2
02JAN85	220	11.4
10JAN85	20	26.2
10JAN85	20	26.2
10JAN85	40	28.3
10JAN85	40	28.3
10JAN85	220	11.1
10JAN85	220	11.1
17JAN85	20	27.4
17JAN85	40	27.5
17JAN85	220	10.8
24JAN85	20	31.5
24JAN85	40	28.2
24JAN85	220	10.7
07FEB85	20	33.1
07FEB85	40	28.7
07FEB85	220	10.4
14FEB85	20	33.8
14FEB85	40	28.2
14FEB85	220	10.3
20FEB85	20	29.5
20FEB85	40	28.3
20FEB85	220	10.1
04MAR85	20	29.2
04MAR85	40	30.5
04MAR85	220	10.6
15MAR85	20	30.9
15MAR85	40	32.8
15MAR85	220	13.0
20MAR85	20	29.7
20MAR85	40	31.9
20MAR85	220	18.5
27MAR85	20	29.1
27MAR85	40	31.2

27MAR85	220	18.8
05APR85	20	29.3
05APR85	40	31.7
05APR85	220	20.3
12APR85	20	28.2
12APR85	40	29.8
12APR85	220	21.0
24APR85	20	26.0
24APR85	40	27.7
24APR85	220	20.5
01MAY85	20	28.8
01MAY85	40	31.4
01MAY85	220	21.7
10MAY85	20	25.6
10MAY85	40	27.6
10MAY85	220	21.4
15MAY85	20	21.6
15MAY85	40	26.3
15MAY85	220	21.6
24MAY85	20	26.5
24MAY85	40	26.3
24MAY85	220	20.9
30MAY85	20	20.0
30MAY85	40	23.6
30MAY85	220	21.2
04JUN85	20	16.6
04JUN85	40	19.8
04JUN85	220	20.9
14JUN85	20	12.6
14JUN85	40	14.0
14JUN85	220	20.4
21JUN85	20	11.0
21JUN85	40	12.5
21JUN85	220	20.5
26JUN85	20	12.5
26JUN85	40	13.4
26JUN85	220	21.0
03JUL85	20	10.5
03JUL85	40	11.9
03JUL85	220	21.8
10JUL85	20	9.5
10JUL85	40	11.4
10JUL85	220	20.7
23JUL85	20	22.7
23JUL85	40	24.2
23JUL85	220	20.7
30JUL85	20	17.7
30JUL85	40	21.2
30JUL85	220	20.4
06AUG85	20	15.3
06AUG85	40	16.9
06AUG85	220	19.8
15AUG85	20	25.2
15AUG85	40	27.2

15AUG85

220

21.4

-----Type = Experimental Plot _ Tube Number = 106-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	30	14.7
02JUL84	60	20.1
02JUL84	90	5.4
02JUL84	120	4.1
02JUL84	150	3.2
02JUL84	180	3.5
02JUL84	210	6.8
02JUL84	240	9.4
23JUL84	30	14.4
23JUL84	60	5.0
23JUL84	90	4.1
23JUL84	120	4.1
23JUL84	150	3.2
23JUL84	180	3.4
23JUL84	210	6.6
23JUL84	240	9.2
28AUG84	20	14.9
28AUG84	40	12.6
28AUG84	220	7.3
05SEP84	20	10.4
05SEP84	40	12.5
05SEP84	220	7.3
25SEP84	20	10.0
25SEP84	40	11.9
25SEP84	220	7.4
05OCT84	20	13.0
05OCT84	40	12.1
05OCT84	220	7.3
11OCT84	20	12.8
11OCT84	40	11.8
11OCT84	220	7.3
23OCT84	20	21.7
23OCT84	40	12.3
23OCT84	220	7.3
29OCT84	20	25.3
29OCT84	40	21.5
29OCT84	220	7.2
05NOV84	20	23.1
05NOV84	40	21.4
05NOV84	220	7.2
20NOV84	20	21.7
20NOV84	40	20.7
20NOV84	220	7.3
27NOV84	20	22.1
27NOV84	40	20.5

27NOV84	220	7.2
03DEC84	20	21.1
03DEC84	40	20.8
03DEC84	220	7.2
11DEC84	20	21.9
11DEC84	20	21.9
11DEC84	40	20.4
11DEC84	40	20.4
11DEC84	220	7.4
11DEC84	220	7.4
18DEC84	20	23.7
18DEC84	40	21.0
18DEC84	220	7.2
27DEC84	20	23.9
27DEC84	40	22.1
27DEC84	220	7.3
02JAN85	20	27.5
02JAN85	40	29.3
02JAN85	220	7.7
10JAN85	20	26.8
10JAN85	20	26.8
10JAN85	40	27.6
10JAN85	40	27.6
10JAN85	220	8.1
10JAN85	220	8.1
17JAN85	20	26.8
17JAN85	40	26.7
17JAN85	220	8.1
24JAN85	20	31.8
24JAN85	40	27.2
24JAN85	220	8.0
07FEB85	20	31.4
07FEB85	40	29.3
07FEB85	220	7.8
14FEB85	20	32.0
14FEB85	40	29.1
14FEB85	220	7.6
20FEB85	20	29.2
20FEB85	40	29.1
20FEB85	220	7.8
04MAR85	20	29.4
04MAR85	40	29.9
04MAR85	220	7.8
15MAR85	20	30.5
15MAR85	40	31.6
15MAR85	220	8.0
20MAR85	20	30.5
20MAR85	40	31.7
20MAR85	220	11.5
27MAR85	20	29.2
27MAR85	40	30.2
27MAR85	220	13.8
05APR85	20	29.7
05APR85	40	30.4

05APR85	220	15.2
12APR85	20	28.0
12APR85	40	29.2
12APR85	220	15.7
24APR85	20	25.8
24APR85	40	26.4
24APR85	220	16.2
01MAY85	20	28.9
01MAY85	40	30.9
01MAY85	220	16.4
10MAY85	20	24.7
10MAY85	40	27.5
10MAY85	220	17.6
15MAY85	20	20.8
15MAY85	40	24.9
15MAY85	220	17.5
24MAY85	20	26.0
24MAY85	40	24.8
24MAY85	220	17.7
30MAY85	20	19.0
30MAY85	40	22.8
30MAY85	220	18.4
04JUN85	20	15.5
04JUN85	40	19.2
04JUN85	220	18.1
14JUN85	20	11.9
14JUN85	40	13.4
14JUN85	220	18.3
21JUN85	20	10.8
21JUN85	40	12.0
21JUN85	220	19.0
26JUN85	20	13.4
26JUN85	40	12.3
26JUN85	220	18.5
03JUL85	20	9.8
03JUL85	40	12.2
03JUL85	220	18.7
10JUL85	20	9.5
10JUL85	40	11.2
10JUL85	220	18.9
23JUL85	20	20.2
23JUL85	40	21.4
23JUL85	220	19.0
30JUL85	20	16.7
30JUL85	40	18.1
30JUL85	220	18.5
06AUG85	20	13.1
06AUG85	40	14.2
06AUG85	220	18.6
15AUG85	20	24.8
15AUG85	40	25.4
15AUG85	220	19.3

-----Type - Experimental Plot 1 Tube Number - 107-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	30	15.3
02JUL84	60	19.8
02JUL84	90	5.3
02JUL84	120	4.7
02JUL84	150	3.7
02JUL84	180	3.6
02JUL84	210	6.7
02JUL84	240	9.5
23JUL84	30	13.3
23JUL84	60	14.8
23JUL84	90	5.2
23JUL84	120	4.5
23JUL84	150	3.4
23JUL84	180	4.0
23JUL84	210	6.5
23JUL84	240	9.2
13AUG84	0	7.1
13AUG84	20	14.6
13AUG84	40	13.5
13AUG84	220	13.4
28AUG84	20	14.0
28AUG84	40	13.4
28AUG84	220	7.1
05SEP84	20	10.8
05SEP84	40	12.6
05SEP84	220	7.3
25SEP84	20	9.9
25SEP84	40	11.5
25SEP84	220	7.2
05OCT84	20	12.5
05OCT84	40	11.7
05OCT84	220	7.2
11OCT84	20	12.5
11OCT84	40	11.7
11OCT84	220	7.2
23OCT84	20	20.4
23OCT84	40	12.3
23OCT84	220	7.2
29OCT84	20	24.8
29OCT84	40	20.6
29OCT84	220	7.1
05NOV84	20	23.1
05NOV84	40	21.1
05NOV84	220	7.1
20NOV84	20	20.9
20NOV84	40	20.5
20NOV84	220	7.1
27NOV84	20	21.8

27NOV84	40	20.5
27NOV84	220	7.0
03DEC84	20	21.6
03DEC84	40	20.9
03DEC84	220	7.0
11DEC84	20	22.3
11DEC84	20	22.3
11DEC84	40	20.2
11DEC84	40	20.2
11DEC84	220	6.9
11DEC84	220	6.9
18DEC84	20	23.6
18DEC84	40	21.3
18DEC84	220	7.2
27DEC84	20	23.5
27DEC84	40	21.3
27DEC84	220	7.0
02JAN85	20	28.0
02JAN85	40	29.3
02JAN85	220	6.8
10JAN85	20	26.4
10JAN85	20	26.4
10JAN85	40	27.9
10JAN85	40	27.9
10JAN85	220	7.0
10JAN85	220	7.0
17JAN85	20	27.4
17JAN85	40	26.8
17JAN85	220	7.1
24JAN85	20	31.5
24JAN85	40	27.6
24JAN85	220	6.9
07FEB85	20	32.9
07FEB85	40	29.2
07FEB85	220	6.8
14FEB85	20	33.9
14FEB85	40	29.2
14FEB85	220	6.9
20FEB85	20	30.8
20FEB85	40	29.2
20FEB85	220	7.1
04MAR85	20	29.7
04MAR85	40	30.4
04MAR85	220	7.0
15MAR85	20	31.0
15MAR85	40	32.3
15MAR85	220	7.3
20MAR85	20	31.0
20MAR85	40	32.0
20MAR85	220	13.1
27MAR85	20	29.4
27MAR85	40	30.1
27MAR85	220	16.1
05APR85	20	29.9

05APR85	40	30.7
05APR85	220	18.2
12APR85	20	28.2
12APR85	40	29.2
12APR85	220	17.9
24APR85	20	25.1
24APR85	40	26.7
24APR85	220	18.2
01MAY85	20	29.5
01MAY85	40	31.4
01MAY85	220	19.0
10MAY85	20	24.7
10MAY85	40	28.2
10MAY85	220	21.1
15MAY85	20	20.7
15MAY85	40	25.0
15MAY85	220	20.6
24MAY85	20	25.1
24MAY85	40	25.0
24MAY85	220	20.3
30MAY85	20	19.3
30MAY85	40	22.1
30MAY85	220	20.1
04JUN85	20	15.3
04JUN85	40	18.0
04JUN85	220	19.7
14JUN85	20	12.1
14JUN85	40	13.1
14JUN85	220	20.0
21JUN85	20	10.9
21JUN85	40	12.3
21JUN85	220	20.4
26JUN85	20	13.8
26JUN85	40	13.0
26JUN85	220	20.2
03JUL85	20	11.1
03JUL85	40	11.7
03JUL85	220	20.5
10JUL85	20	9.8
10JUL85	40	11.4
10JUL85	220	19.6
23JUL85	20	21.1
23JUL85	40	19.6
23JUL85	220	19.9
30JUL85	20	16.2
30JUL85	40	15.7
30JUL85	220	19.5
06AUG85	20	12.0
06AUG85	40	12.6
06AUG85	220	19.4
15AUG85	20	25.3
15AUG85	40	26.0
15AUG85	220	19.9

-----Type = Experimental Plot 1 Tube Number = 108-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	30	16.1
02JUL84	60	19.4
02JUL84	90	5.2
02JUL84	120	4.5
02JUL84	150	3.2
02JUL84	180	3.1
02JUL84	210	6.6
02JUL84	240	9.2
23JUL84	30	12.7
23JUL84	60	15.3
23JUL84	90	5.0
23JUL84	120	4.4
23JUL84	150	3.2
23JUL84	180	3.0
23JUL84	210	6.6
23JUL84	240	8.8
13AUG84	0	7.3
13AUG84	20	13.0
13AUG84	40	14.2
13AUG84	220	13.3
28AUG84	20	13.0
28AUG84	40	13.6
28AUG84	220	7.4
05SEP84	20	10.6
05SEP84	40	13.1
05SEP84	220	7.3
25SEP84	20	9.5
25SEP84	40	11.8
25SEP84	220	7.4
05OCT84	20	11.6
05OCT84	40	12.1
05OCT84	220	7.5
11OCT84	20	11.2
11OCT84	40	11.8
11OCT84	220	7.3
23OCT84	20	18.8
23OCT84	40	12.4
23OCT84	220	7.4
29OCT84	20	24.8
29OCT84	40	20.1
29OCT84	220	7.2
05NOV84	20	22.6
05NOV84	40	20.5
05NOV84	220	7.3
20NOV84	20	21.0
20NOV84	40	20.4
20NOV84	220	7.2
27NOV84	20	21.7

27NOV84	40	19.8
27NOV84	220	7.4
03DEC84	20	20.9
03DEC84	40	20.6
03DEC84	220	7.2
11DEC84	20	21.8
11DEC84	20	21.8
11DEC84	40	20.2
11DEC84	40	20.2
11DEC84	220	7.2
11DEC84	220	7.2
18DEC84	20	23.4
18DEC84	40	20.6
18DEC84	220	7.1
27DEC84	20	23.4
27DEC84	40	21.2
27DEC84	220	7.2
02JAN85	20	28.1
02JAN85	40	29.2
02JAN85	220	9.2
10JAN85	20	26.8
10JAN85	20	26.8
10JAN85	40	27.8
10JAN85	40	27.8
10JAN85	220	9.2
10JAN85	220	9.2
17JAN85	20	27.6
17JAN85	40	26.8
17JAN85	220	9.0
24JAN85	20	31.4
24JAN85	40	27.6
24JAN85	220	8.9
07FEB85	20	33.1
07FEB85	40	27.7
07FEB85	220	8.6
14FEB85	20	33.1
14FEB85	40	28.2
14FEB85	220	8.7
20FEB85	20	30.0
20FEB85	40	28.3
20FEB85	220	8.6
04MAR85	20	29.8
04MAR85	40	29.8
04MAR85	220	8.5
15MAR85	20	30.6
15MAR85	40	31.4
15MAR85	220	9.1
20MAR85	20	30.8
20MAR85	40	31.9
20MAR85	220	15.4
27MAR85	20	28.8
27MAR85	40	29.9
27MAR85	220	16.9
05APR85	20	29.4

05APR85	40	30.6
05APR85	220	18.4
12APR85	20	27.7
12APR85	40	29.1
12APR85	220	19.2
24APR85	20	25.2
24APR85	40	26.9
24APR85	220	19.1
01MAY85	20	29.1
01MAY85	40	30.9
01MAY85	220	19.5
10MAY85	20	24.6
10MAY85	40	27.7
10MAY85	220	21.0
15MAY85	20	19.2
15MAY85	40	25.4
15MAY85	220	20.6
24MAY85	20	24.4
24MAY85	40	24.7
24MAY85	220	21.1
30MAY85	20	18.2
30MAY85	40	21.6
30MAY85	220	20.6
04JUN85	20	14.6
04JUN85	40	17.2
04JUN85	220	20.3
14JUN85	20	12.4
14JUN85	40	13.7
14JUN85	220	20.3
21JUN85	20	11.1
21JUN85	40	13.0
21JUN85	220	20.4
26JUN85	20	12.0
26JUN85	40	13.6
26JUN85	220	20.1
03JUL85	20	10.9
03JUL85	40	12.3
03JUL85	220	20.4
10JUL85	20	10.2
10JUL85	40	11.6
10JUL85	220	20.4
23JUL85	20	16.1
23JUL85	40	14.7
23JUL85	220	20.8
30JUL85	20	13.4
30JUL85	40	13.3
30JUL85	220	20.0
06AUG85	20	12.5
06AUG85	40	10.0
06AUG85	220	19.6
15AUG85	20	25.4
15AUG85	40	26.9
15AUG85	220	20.2

-----Type - Experimental Plot 1 Tube Number - 109-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	30	1.5
02JUL84	60	15.2
02JUL84	90	5.4
02JUL84	120	4.3
02JUL84	150	3.4
02JUL84	180	3.4
02JUL84	210	7.0
02JUL84	240	8.7
23JUL84	30	13.2
23JUL84	60	15.8
23JUL84	90	5.3
23JUL84	120	4.4
23JUL84	150	3.4
23JUL84	180	3.6
23JUL84	210	8.3
23JUL84	240	9.6
13AUG84	0	9.0
13AUG84	20	14.4
13AUG84	40	14.3
13AUG84	220	13.8
28AUG84	20	14.7
28AUG84	40	13.8
28AUG84	220	9.1
05SEP84	20	10.7
05SEP84	40	13.4
05SEP84	220	9.0
25SEP84	20	9.4
25SEP84	40	12.1
25SEP84	220	9.1
05OCT84	20	12.2
05OCT84	40	12.3
05OCT84	220	9.2
11OCT84	20	11.8
11OCT84	40	12.1
11OCT84	220	9.1
23OCT84	20	20.1
23OCT84	40	12.4
23OCT84	220	9.2
29OCT84	20	23.7
29OCT84	40	16.1
29OCT84	220	9.0
05NOV84	20	21.6
05NOV84	40	17.2
05NOV84	220	9.1
20NOV84	20	20.5
20NOV84	40	17.2
20NOV84	220	8.8

27NOV84	20	21.1
27NOV84	40	17.3
27NOV84	220	8.9
03DEC84	20	20.7
03DEC84	40	17.4
03DEC84	220	8.8
11DEC84	20	21.4
11DEC84	20	21.4
11DEC84	40	17.4
11DEC84	40	17.4
18DEC84	20	23.3
18DEC84	40	17.4
18DEC84	220	8.7
27DEC84	20	23.2
27DEC84	40	18.0
27DEC84	220	9.0
02JAN85	20	27.4
02JAN85	40	28.7
02JAN85	220	11.0
10JAN85	20	26.7
10JAN85	20	26.7
10JAN85	40	27.6
10JAN85	40	27.6
10JAN85	220	10.6
10JAN85	220	10.6
17JAN85	20	28.0
17JAN85	40	26.6
17JAN85	220	10.6
24JAN85	20	32.2
24JAN85	40	26.5
24JAN85	220	10.3
07FEB85	20	31.9
07FEB85	40	28.7
07FEB85	220	10.1
14FEB85	20	32.2
14FEB85	40	28.6
14FEB85	220	10.2
20FEB85	20	29.7
20FEB85	40	28.3
20FEB85	220	10.0
04MAR85	20	28.3
04MAR85	40	29.3
04MAR85	220	9.7
15MAR85	20	30.7
15MAR85	40	31.8
15MAR85	220	10.2
20MAR85	20	29.8
20MAR85	40	31.2
20MAR85	220	15.4
27MAR85	20	28.5
27MAR85	40	30.2
27MAR85	220	16.2
05APR85	20	29.1
05APR85	40	31.1

05APR85	220	16.8
12APR85	20	28.3
12APR85	40	28.3
12APR85	220	16.8
24APR85	20	25.2
24APR85	40	27.4
24APR85	220	17.0
01MAY85	20	29.4
01MAY85	40	30.7
01MAY85	220	18.4
10MAY85	20	25.4
10MAY85	40	27.9
10MAY85	220	18.3
15MAY85	20	21.1
15MAY85	40	25.5
15MAY85	220	18.4
24MAY85	20	25.6
24MAY85	40	24.9
24MAY85	220	18.2
30MAY85	20	19.4
30MAY85	40	22.9
30MAY85	220	18.3
04JUN85	20	15.1
04JUN85	40	19.5
04JUN85	220	18.2
14JUN85	20	12.0
14JUN85	40	13.8
14JUN85	220	18.5
21JUN85	20	11.1
21JUN85	40	12.8
21JUN85	220	18.3
26JUN85	20	14.2
26JUN85	40	12.5
26JUN85	220	18.6
03JUL85	20	10.4
03JUL85	40	11.9
03JUL85	220	19.3
10JUL85	20	9.6
10JUL85	40	11.5
10JUL85	220	18.5
23JUL85	20	17.6
23JUL85	40	16.3
23JUL85	220	19.2
30JUL85	20	13.7
30JUL85	40	13.6
30JUL85	220	18.2
06AUG85	20	11.7
06AUG85	40	11.8
06AUG85	220	18.3
15AUG85	20	24.3
15AUG85	40	24.2
15AUG85	220	18.4

-----Type - Experimental Plot 2 Tube Number - 116-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	30	17.7
02JUL84	60	16.6
02JUL84	90	5.5
02JUL84	120	7.3
23JUL84	30	15.9
23JUL84	60	16.9
23JUL84	90	5.8
23JUL84	120	6.9
13AUG84	20	16.9
13AUG84	40	16.9
13AUG84	60	14.5
28AUG84	20	15.7
28AUG84	40	15.8
28AUG84	60	14.8
05SEP84	20	12.2
05SEP84	40	14.7
05SEP84	60	14.4
25SEP84	20	10.1
25SEP84	40	12.5
25SEP84	60	13.4
05OCT84	20	11.9
05OCT84	40	12.2
05OCT84	60	13.2
11OCT84	20	11.0
11OCT84	40	12.1
11OCT84	60	13.5
23OCT84	20	14.3
23OCT84	40	12.5
23OCT84	60	13.2
29OCT84	20	21.7
29OCT84	40	14.4
29OCT84	60	13.3
05NOV84	20	20.1
05NOV84	40	15.0
05NOV84	60	13.6
20NOV84	20	18.1
20NOV84	40	15.0
20NOV84	60	13.3
27NOV84	20	18.2
27NOV84	40	15.1
27NOV84	60	13.3
03DEC84	20	18.0
03DEC84	40	15.3
03DEC84	60	13.3
11DEC84	20	18.8
11DEC84	20	18.8
11DEC84	40	15.3
11DEC84	40	15.3

11DEC84	60	13.1
11DEC84	60	13.1
18DEC84	20	19.9
18DEC84	40	15.4
18DEC84	60	13.1
27DEC84	20	21.5
27DEC84	40	16.0
27DEC84	60	13.2
02JAN85	20	26.1
02JAN85	40	27.4
02JAN85	60	27.1
10JAN85	20	25.4
10JAN85	20	25.4
10JAN85	40	27.0
10JAN85	40	27.0
10JAN85	60	26.3
10JAN85	60	26.3
17JAN85	20	25.6
17JAN85	40	26.0
17JAN85	60	26.3
24JAN85	20	30.1
24JAN85	40	27.3
24JAN85	60	26.4
07FEB85	20	31.6
07FEB85	40	26.6
07FEB85	60	25.7
14FEB85	20	32.3
14FEB85	40	26.3
14FEB85	60	25.5
20FEB85	20	29.6
20FEB85	40	27.6
20FEB85	60	25.6
04MAR85	20	28.9
04MAR85	40	28.4
04MAR85	60	28.7
15MAR85	20	30.0
15MAR85	40	30.3
15MAR85	60	30.6
20MAR85	20	29.9
20MAR85	40	30.4
20MAR85	60	31.5
27MAR85	20	28.7
27MAR85	40	29.4
27MAR85	60	30.4
05APR85	20	27.7
05APR85	40	28.8
05APR85	60	31.7
12APR85	20	27.7
12APR85	40	28.6
12APR85	60	30.0
24APR85	20	25.3
24APR85	40	26.4
24APR85	60	27.6
01MAY85	20	28.6

01MAY85	40	29.9
01MAY85	60	31.2
10MAY85	20	24.4
10MAY85	40	26.5
10MAY85	60	28.1
15MAY85	20	20.8
15MAY85	40	24.4
15MAY85	60	26.4
24MAY85	20	24.0
24MAY85	40	23.6
24MAY85	60	24.2
30MAY85	20	18.6
30MAY85	40	20.7
30MAY85	60	22.4
04JUN85	20	15.1
04JUN85	40	16.9
04JUN85	60	18.3
14JUN85	20	12.4
14JUN85	40	13.3
14JUN85	60	13.2
21JUN85	20	11.4
21JUN85	40	12.3
21JUN85	60	12.1
26JUN85	20	12.8
26JUN85	40	12.2
26JUN85	60	11.8
03JUL85	20	10.9
03JUL85	40	12.1
03JUL85	60	12.3
10JUL85	20	10.1
10JUL85	40	11.2
10JUL85	60	11.1
23JUL85	20	12.8
23JUL85	40	11.8
23JUL85	60	11.3
30JUL85	20	11.2
30JUL85	40	11.3
30JUL85	60	10.9
06AUG85	20	10.9
06AUG85	40	11.1
06AUG85	60	10.5
15AUG85	20	23.9
15AUG85	40	19.5
15AUG85	60	11.5

-----Type = Experimental Plot 2 Tube Number = 117-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	30	31.7
02JUL84	60	36.2

02JUL84	90	9.4
02JUL84	120	9.1
23JUL84	30	27.6
23JUL84	60	29.5
23JUL84	90	8.4
23JUL84	120	7.5
13AUG84	20	24.2
13AUG84	40	27.6
13AUG84	60	29.5
28AUG84	20	20.8
28AUG84	40	26.5
28AUG84	60	29.0
05SEP84	20	16.2
05SEP84	40	24.0
05SEP84	60	27.8
25SEP84	20	12.4
25SEP84	40	16.3
25SEP84	60	18.8
05OCT84	20	13.9
05OCT84	40	16.5
05OCT84	60	17.3
11OCT84	20	12.6
11OCT84	40	16.1
11OCT84	60	16.7
23OCT84	20	15.7
23OCT84	40	15.9
23OCT84	60	16.4
29OCT84	20	21.0
29OCT84	40	16.0
29OCT84	60	16.1
05NOV84	20	19.8
05NOV84	40	16.3
05NOV84	60	16.3
20NOV84	20	16.5
20NOV84	40	16.0
20NOV84	60	16.1
27NOV84	20	16.4
27NOV84	40	16.2
27NOV84	60	16.1
03DEC84	20	16.0
03DEC84	40	16.0
03DEC84	60	16.2
11DEC84	20	16.2
11DEC84	20	16.2
11DEC84	40	16.2
11DEC84	40	16.2
11DEC84	60	16.2
11DEC84	60	16.2
18DEC84	20	16.6
18DEC84	40	16.2
18DEC84	60	16.2
27DEC84	20	17.1
27DEC84	40	16.5
27DEC84	60	16.2

02JAN85	20	28.6
02JAN85	40	30.5
02JAN85	60	32.3
10JAN85	20	28.1
10JAN85	20	28.1
10JAN85	40	29.3
10JAN85	40	29.3
10JAN85	60	31.4
10JAN85	60	31.4
17JAN85	20	27.3
17JAN85	40	29.0
17JAN85	60	31.0
24JAN85	20	27.9
24JAN85	40	28.3
24JAN85	60	30.5
07FEB85	20	31.4
07FEB85	40	28.3
07FEB85	60	29.9
14FEB85	20	31.6
14FEB85	40	27.9
14FEB85	60	29.8
20FEB85	20	30.4
20FEB85	40	28.9
20FEB85	60	30.1
04MAR85	20	30.7
04MAR85	40	30.3
04MAR85	60	32.9
15MAR85	20	31.5
15MAR85	40	32.3
15MAR85	60	32.6
20MAR85	20	31.4
20MAR85	40	31.6
20MAR85	60	33.1
27MAR85	20	30.5
27MAR85	40	31.0
27MAR85	60	33.0
05APR85	20	31.2
05APR85	40	31.3
05APR85	60	32.9
12APR85	20	29.3
12APR85	40	30.0
12APR85	60	32.6
24APR85	20	22.9
24APR85	40	27.1
24APR85	60	31.0
01MAY85	20	29.5
01MAY85	40	31.5
01MAY85	60	32.4
10MAY85	20	23.6
10MAY85	40	27.9
10MAY85	60	31.1
15MAY85	20	17.3
15MAY85	40	23.1
15MAY85	60	28.2

24MAY85	20	18.2
24MAY85	40	21.1
24MAY85	60	27.1
30MAY85	20	24.9
30MAY85	40	18.3
30MAY85	60	23.9
04JUN85	20	13.9
04JUN85	40	15.7
04JUN85	60	19.8
14JUN85	20	12.9
14JUN85	40	14.1
14JUN85	60	12.8
21JUN85	20	12.0
21JUN85	40	12.7
21JUN85	60	13.6
26JUN85	20	11.6
26JUN85	40	13.1
26JUN85	60	12.8
03JUL85	20	10.9
03JUL85	40	12.2
03JUL85	60	12.3
10JUL85	20	10.3
10JUL85	40	11.4
10JUL85	60	11.6
23JUL85	20	12.3
23JUL85	40	11.8
23JUL85	60	12.6
30JUL85	20	11.3
30JUL85	40	11.4
30JUL85	60	11.9
06AUG85	20	10.5
06AUG85	40	11.2
06AUG85	60	11.8
15AUG85	20	24.1
15AUG85	40	19.8
15AUG85	60	24.6

-----Type = Experimental Plot 2 Tube Number = 118-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	60	17.8
02JUL84	90	6.4
02JUL84	120	6.9
23JUL84	30	16.8
23JUL84	60	17.3
23JUL84	90	5.9
23JUL84	120	6.6
13AUG84	20	18.2
13AUG84	40	16.5
13AUG84	60	15.0

28AUG84	20	19.4
28AUG84	40	16.4
28AUG84	60	14.8
05SEP84	20	12.0
05SEP84	40	14.5
05SEP84	60	14.3
25SEP84	20	9.8
25SEP84	40	11.8
25SEP84	60	12.2
05OCT84	20	12.1
05OCT84	40	11.9
05OCT84	60	12.6
11OCT84	20	11.4
11OCT84	40	11.9
11OCT84	60	12.5
23OCT84	20	17.4
23OCT84	40	12.1
23OCT84	60	12.6
29OCT84	20	23.6
29OCT84	40	17.4
29OCT84	60	12.3
05NOV84	20	21.6
05NOV84	40	17.2
05NOV84	60	12.4
20NOV84	20	19.9
20NOV84	40	17.2
20NOV84	60	12.9
27NOV84	20	20.0
27NOV84	40	16.9
27NOV84	60	12.8
03DEC84	20	19.8
03DEC84	40	17.5
03DEC84	60	12.8
11DEC84	20	20.7
11DEC84	20	20.7
11DEC84	40	17.5
11DEC84	40	17.5
11DEC84	60	12.8
11DEC84	60	12.8
18DEC84	20	21.8
18DEC84	40	17.2
18DEC84	60	13.0
27DEC84	20	23.7
27DEC84	40	18.5
27DEC84	60	12.6
02JAN85	20	27.6
02JAN85	40	27.8
02JAN85	60	28.1
10JAN85	20	26.4
10JAN85	20	26.4
10JAN85	40	26.6
10JAN85	40	26.6
10JAN85	60	27.3
10JAN85	60	27.3

17JAN85	20	27.3
17JAN85	40	25.2
17JAN85	60	26.4
24JAN85	20	30.0
24JAN85	40	25.4
24JAN85	60	26.6
07FEB85	20	31.7
07FEB85	40	25.9
07FEB85	60	25.4
14FEB85	20	31.9
14FEB85	40	26.2
14FEB85	60	25.5
20FEB85	20	30.1
20FEB85	40	27.2
20FEB85	60	25.9
04MAR85	20	29.6
04MAR85	40	29.7
04MAR85	60	30.3
15MAR85	20	31.7
15MAR85	40	31.4
15MAR85	60	31.9
20MAR85	20	31.8
20MAR85	40	30.7
20MAR85	60	32.4
27MAR85	20	29.1
27MAR85	40	29.3
27MAR85	60	31.4
05APR85	20	29.6
05APR85	40	31.1
05APR85	60	33.0
12APR85	20	29.1
12APR85	40	28.8
12APR85	60	30.5
24APR85	20	25.1
24APR85	40	26.6
24APR85	60	28.6
01MAY85	20	29.8
01MAY85	40	30.1
01MAY85	60	32.6
10MAY85	20	24.9
10MAY85	40	26.6
10MAY85	60	29.0
15MAY85	20	20.8
15MAY85	40	24.1
15MAY85	60	27.7
24MAY85	20	25.0
24MAY85	40	24.3
24MAY85	60	26.6
30MAY85	20	19.4
30MAY85	40	21.7
30MAY85	60	23.9
04JUN85	20	13.8
04JUN85	40	17.3
04JUN85	60	20.2

14JUN85	20	11.8
14JUN85	40	12.8
14JUN85	60	13.5
21JUN85	20	10.7
21JUN85	40	11.8
21JUN85	60	12.7
26JUN85	20	11.3
26JUN85	40	12.1
26JUN85	60	12.0
03JUL85	20	10.4
03JUL85	40	11.4
03JUL85	60	12.1
10JUL85	20	9.6
10JUL85	40	11.1
10JUL85	60	11.2
23JUL85	20	12.7
23JUL85	40	11.6
23JUL85	60	11.1
30JUL85	20	10.5
30JUL85	40	10.8
30JUL85	60	10.8
06AUG85	20	10.4
06AUG85	40	10.7
06AUG85	60	10.8
15AUG85	20	24.3
15AUG85	40	18.5
15AUG85	60	11.6

-----Type = Experimental Plot 2 Tube Number = 119-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	30	14.6
02JUL84	60	14.5
02JUL84	90	4.9
02JUL84	120	4.3
02JUL84	150	3.3
02JUL84	180	3.9
02JUL84	210	8.8
02JUL84	240	10.1
23JUL84	30	10.7
23JUL84	60	11.7
23JUL84	90	4.9
23JUL84	120	4.1
23JUL84	150	3.3
23JUL84	180	4.0
23JUL84	210	8.9
23JUL84	240	9.9
13AUG84	0	9.0
13AUG84	20	19.9
13AUG84	40	15.9

13AUG84	220	11.3
28AUG84	20	21.2
28AUG84	40	14.8
28AUG84	220	9.0
05SEP84	20	12.4
05SEP84	40	13.3
05SEP84	220	9.2
25SEP84	20	8.9
25SEP84	40	10.8
25SEP84	220	9.2
05OCT84	20	11.9
05OCT84	40	10.6
05OCT84	220	9.1
11OCT84	20	11.0
11OCT84	40	10.7
11OCT84	220	10.4
23OCT84	20	17.6
23OCT84	40	10.8
23OCT84	220	9.1
29OCT84	20	22.0
29OCT84	40	13.1
29OCT84	220	9.2
05NOV84	20	20.5
05NOV84	40	13.7
05NOV84	220	9.2
20NOV84	20	19.1
20NOV84	40	14.0
20NOV84	220	9.2
27NOV84	20	19.8
27NOV84	40	14.1
27NOV84	220	9.1
03DEC84	20	19.6
03DEC84	40	14.3
03DEC84	220	9.1
11DEC84	20	20.3
11DEC84	20	20.3
11DEC84	40	14.4
11DEC84	40	14.4
11DEC84	220	9.1
11DEC84	220	9.1
18DEC84	20	21.4
18DEC84	40	14.4
18DEC84	220	9.3
27DEC84	20	21.7
27DEC84	40	15.2
27DEC84	220	8.9
02JAN85	20	26.0
02JAN85	40	29.6
02JAN85	220	9.0
10JAN85	20	25.0
10JAN85	20	25.0
10JAN85	40	28.2
10JAN85	40	28.2
10JAN85	220	9.1

10JAN85	220	9.1
17JAN85	20	25.1
17JAN85	40	27.0
17JAN85	220	9.1
24JAN85	20	31.8
24JAN85	40	31.2
24JAN85	220	9.1
07FEB85	20	33.2
07FEB85	40	28.4
07FEB85	220	9.5
14FEB85	20	33.4
14FEB85	40	27.9
14FEB85	220	9.4
20FEB85	20	30.3
20FEB85	40	28.3
20FEB85	220	9.3
04MAR85	20	29.0
04MAR85	40	31.0
04MAR85	220	9.4
15MAR85	20	30.9
15MAR85	40	31.9
15MAR85	220	10.5
20MAR85	20	30.6
20MAR85	40	32.1
20MAR85	220	16.7
27MAR85	20	28.9
27MAR85	40	30.7
27MAR85	220	22.8
05APR85	20	29.0
05APR85	40	31.0
05APR85	220	25.7
12APR85	20	28.2
12APR85	40	29.9
12APR85	220	26.0
24APR85	20	25.3
24APR85	40	28.8
24APR85	220	25.8
01MAY85	20	28.4
01MAY85	40	30.8
01MAY85	220	27.8
10MAY85	20	25.3
10MAY85	40	28.4
10MAY85	220	28.6
15MAY85	20	21.4
15MAY85	40	27.3
15MAY85	220	29.3
24MAY85	20	25.2
24MAY85	40	26.1
24MAY85	220	28.4
30MAY85	20	19.4
30MAY85	40	23.9
30MAY85	220	28.7
04JUN85	20	14.9
04JUN85	40	19.1

04JUN85	220	28.2
14JUN85	20	11.9
14JUN85	40	13.5
14JUN85	220	28.3
21JUN85	20	10.6
21JUN85	40	12.3
21JUN85	220	29.0
26JUN85	20	11.7
26JUN85	40	11.7
26JUN85	220	29.4
03JUL85	20	10.5
03JUL85	40	11.9
03JUL85	220	28.7
10JUL85	20	9.2
10JUL85	40	10.9
10JUL85	220	28.4
23JUL85	20	13.8
23JUL85	40	12.4
23JUL85	220	28.6
30JUL85	20	12.1
30JUL85	40	11.8
30JUL85	220	26.8
06AUG85	20	10.9
06AUG85	40	11.3
06AUG85	220	27.0
15AUG85	20	23.2
15AUG85	40	20.4
15AUG85	220	28.5

-----Type = Experimental Plot 2 Tube Number = 120-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	30	15.5
02JUL84	60	23.0
02JUL84	90	6.7
02JUL84	120	4.4
02JUL84	150	3.4
02JUL84	180	3.6
02JUL84	210	9.3
02JUL84	240	11.0
23JUL84	30	21.3
23JUL84	60	19.3
23JUL84	90	5.8
23JUL84	120	4.5
23JUL84	150	3.5
23JUL84	180	3.5
23JUL84	210	8.7
23JUL84	240	10.5
13AUG84	0	12.7
13AUG84	20	23.9

13AUG84	40	31.1
13AUG84	220	33.8
28AUG84	20	27.8
28AUG84	40	31.2
28AUG84	220	11.9
05SEP84	20	23.1
05SEP84	40	28.6
05SEP84	220	11.8
25SEP84	20	15.0
25SEP84	40	22.1
25SEP84	220	11.5
05OCT84	20	18.6
05OCT84	40	21.5
05OCT84	220	11.0
11OCT84	20	17.1
11OCT84	40	20.9
11OCT84	220	11.3
23OCT84	20	24.5
23OCT84	40	20.6
23OCT84	220	11.3
29OCT84	20	26.3
29OCT84	40	26.5
29OCT84	220	11.1
05NOV84	20	24.2
05NOV84	40	26.4
05NOV84	220	10.9
20NOV84	20	22.8
20NOV84	40	26.2
20NOV84	220	10.8
27NOV84	20	23.2
27NOV84	40	25.8
27NOV84	220	10.6
03DEC84	20	22.6
03DEC84	40	25.5
03DEC84	220	10.3
11DEC84	20	23.6
11DEC84	20	23.6
11DEC84	40	25.7
11DEC84	40	25.7
11DEC84	220	10.3
11DEC84	220	10.3
18DEC84	20	26.0
18DEC84	40	26.1
18DEC84	220	10.1
27DEC84	20	26.2
27DEC84	40	26.1
27DEC84	220	10.4
02JAN85	20	28.2
02JAN85	40	31.1
02JAN85	220	22.4
10JAN85	20	27.8
10JAN85	20	27.8
10JAN85	40	30.3
10JAN85	40	30.3

10JAN85	220	20.3
10JAN85	220	20.3
17JAN85	20	27.9
17JAN85	40	29.0
17JAN85	220	19.4
24JAN85	20	33.1
24JAN85	40	31.7
24JAN85	220	18.9
07FEB85	20	30.8
07FEB85	40	28.9
07FEB85	220	18.1
14FEB85	20	32.6
14FEB85	40	30.5
14FEB85	220	17.5
20FEB85	20	30.0
20FEB85	40	29.6
20FEB85	220	17.3
04MAR85	20	30.2
04MAR85	40	31.0
04MAR85	220	18.3
15MAR85	20	32.1
15MAR85	40	31.7
15MAR85	220	21.0
20MAR85	20	31.0
20MAR85	40	32.0
20MAR85	220	24.6
27MAR85	20	29.5
27MAR85	40	31.1
27MAR85	220	23.0
05APR85	20	29.4
05APR85	40	31.5
05APR85	220	24.4
12APR85	20	28.7
12APR85	40	30.4
12APR85	220	24.1
24APR85	20	26.0
24APR85	40	29.2
24APR85	220	24.2
01MAY85	20	29.8
01MAY85	40	31.3
01MAY85	220	27.2
10MAY85	20	24.8
10MAY85	40	29.0
10MAY85	220	26.9
15MAY85	20	20.1
15MAY85	40	26.7
15MAY85	220	26.6
24MAY85	20	24.2
24MAY85	40	25.8
24MAY85	220	27.0
30MAY85	20	18.8
30MAY85	40	24.0
30MAY85	220	27.0
04JUN85	20	15.6

04JUN85	40	20.9
04JUN85	220	26.4
14JUN85	20	14.3
14JUN85	40	17.6
14JUN85	220	26.6
21JUN85	20	12.4
21JUN85	40	14.6
21JUN85	220	27.5
26JUN85	20	13.9
26JUN85	40	14.5
26JUN85	220	27.0
03JUL85	20	11.5
03JUL85	40	13.0
03JUL85	220	27.1
10JUL85	20	10.1
10JUL85	40	12.2
10JUL85	220	26.8
23JUL85	20	16.5
23JUL85	40	16.2
23JUL85	220	26.8
30JUL85	20	13.7
30JUL85	40	14.2
30JUL85	220	25.9
06AUG85	20	12.2
06AUG85	40	13.0
06AUG85	220	25.6
15AUG85	20	27.1
15AUG85	40	27.0
15AUG85	220	26.8

-----Type - Experimental Plot 2 Tube Number - 121-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	30	13.8
02JUL84	60	16.5
02JUL84	90	5.1
02JUL84	120	4.0
02JUL84	150	3.3
02JUL84	180	3.6
02JUL84	210	8.3
02JUL84	240	10.8
23JUL84	30	10.9
23JUL84	60	13.4
23JUL84	90	5.0
23JUL84	120	4.3
23JUL84	150	3.4
23JUL84	180	3.6
23JUL84	210	8.0
23JUL84	240	10.4
13AUG84	0	8.5

13AUG84	20	15.0
13AUG84	40	12.7
13AUG84	220	12.7
28AUG84	20	20.4
28AUG84	40	14.9
28AUG84	220	8.6
05SEP84	20	9.6
05SEP84	40	12.3
05SEP84	220	8.7
25SEP84	20	8.2
25SEP84	40	10.4
25SEP84	220	8.5
05OCT84	20	11.4
05OCT84	40	10.7
05OCT84	220	8.5
11OCT84	20	10.2
11OCT84	40	10.8
11OCT84	220	8.7
23OCT84	20	18.6
23OCT84	40	10.8
23OCT84	220	8.5
29OCT84	20	22.0
29OCT84	40	13.4
29OCT84	220	8.4
05NOV84	20	20.2
05NOV84	40	14.0
05NOV84	220	8.6
20NOV84	20	19.2
20NOV84	40	14.3
20NOV84	220	8.4
27NOV84	20	19.7
27NOV84	40	14.4
27NOV84	220	8.5
03DEC84	20	19.5
03DEC84	40	14.5
03DEC84	220	8.3
11DEC84	20	20.7
11DEC84	20	20.7
11DEC84	40	14.7
11DEC84	40	14.7
11DEC84	220	8.6
11DEC84	220	8.6
18DEC84	20	22.0
18DEC84	40	14.7
18DEC84	220	8.5
27DEC84	20	22.4
27DEC84	40	15.8
27DEC84	220	8.1
02JAN85	20	25.8
02JAN85	40	28.0
02JAN85	220	8.3
10JAN85	20	25.4
10JAN85	20	25.4
10JAN85	40	26.9

10JAN85	40	26.9
10JAN85	220	8.4
10JAN85	220	8.4
17JAN85	20	26.5
17JAN85	40	25.6
17JAN85	220	8.3
24JAN85	20	31.1
24JAN85	40	28.1
24JAN85	220	8.2
07FEB85	20	31.5
07FEB85	40	26.6
07FEB85	220	8.1
14FEB85	20	31.3
14FEB85	40	26.4
14FEB85	220	8.3
20FEB85	20	29.7
20FEB85	40	27.0
20FEB85	220	8.2
04MAR85	20	29.3
04MAR85	40	30.5
04MAR85	220	7.8
15MAR85	20	30.0
15MAR85	40	31.5
15MAR85	220	8.3
20MAR85	20	30.0
20MAR85	40	31.3
20MAR85	220	11.9
27MAR85	20	28.4
27MAR85	40	29.8
27MAR85	220	17.9
05APR85	20	28.6
05APR85	40	30.7
05APR85	220	22.0
12APR85	20	27.9
12APR85	40	29.1
12APR85	220	23.3
24APR85	20	26.1
24APR85	40	27.1
24APR85	220	23.8
01MAY85	20	28.4
01MAY85	40	30.1
01MAY85	220	26.1
10MAY85	20	24.4
10MAY85	40	26.8
10MAY85	220	28.1
15MAY85	20	20.9
15MAY85	40	26.3
15MAY85	220	28.2
24MAY85	20	24.5
24MAY85	40	26.5
24MAY85	220	28.3
30MAY85	20	17.8
30MAY85	40	23.8
30MAY85	220	28.6

04JUN85	20	13.7
04JUN85	40	19.4
04JUN85	220	27.9
14JUN85	20	11.9
14JUN85	40	14.1
14JUN85	220	28.2
21JUN85	20	10.7
21JUN85	40	12.4
21JUN85	220	28.6
26JUN85	20	11.2
26JUN85	40	11.7
26JUN85	220	28.7
03JUL85	20	9.6
03JUL85	40	11.4
03JUL85	220	28.9
10JUL85	20	8.8
10JUL85	40	10.9
10JUL85	220	29.0
23JUL85	20	12.9
23JUL85	40	13.0
23JUL85	220	29.4
30JUL85	20	11.4
30JUL85	40	12.0
30JUL85	220	28.3
06AUG85	20	10.7
06AUG85	40	11.4
06AUG85	220	28.5
15AUG85	20	22.8
15AUG85	40	22.7
15AUG85	220	30.0

-----Type - Experimental Plot 2 Tube Number - 122-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	30	14.2
02JUL84	60	14.7
02JUL84	90	5.0
02JUL84	120	4.5
02JUL84	150	3.2
02JUL84	180	3.6
02JUL84	210	8.9
02JUL84	240	9.6
23JUL84	30	11.5
23JUL84	60	12.7
23JUL84	90	5.1
23JUL84	120	4.6
23JUL84	150	3.2
23JUL84	180	3.5
23JUL84	210	8.5
23JUL84	240	9.6

13AUG84	0	9.0
13AUG84	20	15.4
13AUG84	40	12.8
13AUG84	220	11.6
28AUG84	20	13.7
28AUG84	40	12.4
28AUG84	220	9.0
05SEP84	20	10.0
05SEP84	40	12.1
05SEP84	220	9.1
25SEP84	20	8.9
25SEP84	40	11.4
25SEP84	220	9.1
05OCT84	20	10.9
05OCT84	40	11.5
05OCT84	220	9.2
11OCT84	20	10.4
11OCT84	40	11.6
11OCT84	220	9.1
23OCT84	20	20.6
23OCT84	40	12.3
23OCT84	220	8.9
29OCT84	20	24.3
29OCT84	40	21.7
29OCT84	220	8.9
05NOV84	20	22.0
05NOV84	40	21.3
05NOV84	220	9.1
20NOV84	20	20.9
20NOV84	40	20.5
20NOV84	220	9.1
27NOV84	20	21.0
27NOV84	40	20.7
27NOV84	220	9.3
03DEC84	20	20.5
03DEC84	40	20.6
03DEC84	220	9.0
11DEC84	20	21.6
11DEC84	20	21.6
11DEC84	40	20.3
11DEC84	40	20.3
11DEC84	220	9.1
11DEC84	220	9.1
18DEC84	20	22.6
18DEC84	40	21.0
18DEC84	220	9.2
27DEC84	20	22.9
27DEC84	40	21.6
27DEC84	220	9.1
02JAN85	20	26.8
02JAN85	40	28.7
02JAN85	220	9.4
10JAN85	20	26.2
10JAN85	20	26.2

10JAN85	40	27.0
10JAN85	40	27.0
10JAN85	220	9.3
10JAN85	220	9.3
17JAN85	20	26.9
17JAN85	40	25.8
17JAN85	220	9.2
24JAN85	20	29.7
24JAN85	40	26.0
24JAN85	220	9.3
07FEB85	20	32.7
07FEB85	40	26.4
07FEB85	220	9.2
14FEB85	20	32.6
14FEB85	40	26.8
14FEB85	220	9.3
20FEB85	20	29.9
20FEB85	40	26.8
20FEB85	220	9.3
04MAR85	20	29.3
04MAR85	40	30.6
04MAR85	220	9.0
15MAR85	20	31.3
15MAR85	40	32.4
15MAR85	220	12.6
20MAR85	20	31.2
20MAR85	40	32.0
20MAR85	220	18.6
27MAR85	20	29.7
27MAR85	40	30.8
27MAR85	220	21.0
05APR85	20	29.8
05APR85	40	31.4
05APR85	220	24.2
12APR85	20	28.7
12APR85	40	29.5
12APR85	220	24.9
24APR85	20	25.8
24APR85	40	27.7
24APR85	220	24.7
01MAY85	20	29.4
01MAY85	40	30.8
01MAY85	220	26.7
10MAY85	20	25.6
10MAY85	40	27.7
10MAY85	220	28.0
15MAY85	20	22.6
15MAY85	40	26.0
15MAY85	220	27.8
24MAY85	20	26.0
24MAY85	40	26.7
24MAY85	220	28.0
30MAY85	20	21.6
30MAY85	40	24.2

30MAY85	220	27.8
04JUN85	20	17.1
04JUN85	40	21.2
04JUN85	220	27.5
14JUN85	20	14.0
14JUN85	40	16.3
14JUN85	220	27.6
21JUN85	20	11.6
21JUN85	40	13.0
21JUN85	220	28.8
26JUN85	20	13.9
26JUN85	40	12.6
26JUN85	220	27.9
03JUL85	20	10.6
03JUL85	40	12.3
03JUL85	220	28.2
10JUL85	20	9.8
10JUL85	40	11.3
10JUL85	220	28.3
23JUL85	20	12.5
23JUL85	40	11.8
23JUL85	220	27.8
30JUL85	20	11.0
30JUL85	40	11.2
30JUL85	220	26.6
06AUG85	20	10.8
06AUG85	40	11.0
06AUG85	220	26.8
15AUG85	20	20.6
15AUG85	40	14.1
15AUG85	220	27.5

-----Type - Experimental Plot 2 Tube Number - 123-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
02JUL84	30	15.2
02JUL84	60	13.7
02JUL84	90	5.2
02JUL84	120	4.7
02JUL84	150	3.5
02JUL84	180	4.1
02JUL84	210	8.7
02JUL84	240	10.6
23JUL84	30	12.4
23JUL84	60	12.3
23JUL84	90	4.9
23JUL84	120	4.5
23JUL84	150	3.4
23JUL84	180	4.1
23JUL84	210	8.7

23JUL84	240	10.3
13AUG84	0	9.0
13AUG84	20	15.2
13AUG84	40	13.3
13AUG84	220	11.5
28AUG84	20	12.6
28AUG84	40	13.0
28AUG84	220	9.1
05SEP84	20	10.0
05SEP84	40	12.1
05SEP84	220	9.2
25SEP84	20	9.0
25SEP84	40	11.2
25SEP84	220	9.2
05OCT84	20	11.6
05OCT84	40	11.8
05OCT84	220	9.2
11OCT84	20	10.7
11OCT84	40	11.6
11OCT84	220	9.3
23OCT84	20	16.8
23OCT84	40	11.8
23OCT84	220	9.1
29OCT84	20	22.8
29OCT84	40	14.8
29OCT84	220	9.3
05NOV84	20	21.5
05NOV84	40	15.2
05NOV84	220	9.3
20NOV84	20	19.7
20NOV84	40	15.4
20NOV84	220	9.2
27NOV84	20	20.6
27NOV84	40	15.8
27NOV84	220	9.3
03DEC84	20	20.3
03DEC84	40	15.7
03DEC84	220	9.3
11DEC84	20	20.9
11DEC84	20	20.9
11DEC84	40	15.9
11DEC84	40	15.9
11DEC84	220	9.0
11DEC84	220	9.0
18DEC84	20	22.4
18DEC84	40	15.9
18DEC84	220	9.1
27DEC84	20	22.5
27DEC84	40	16.7
27DEC84	220	9.2
02JAN85	20	27.5
02JAN85	40	27.9
02JAN85	220	10.4
10JAN85	20	26.1

10JAN85	20	26.1
10JAN85	40	26.5
10JAN85	40	26.5
10JAN85	220	13.6
10JAN85	220	13.6
17JAN85	20	26.9
17JAN85	40	25.7
17JAN85	220	14.3
24JAN85	20	30.6
24JAN85	40	26.3
24JAN85	220	13.9
07FEB85	20	32.2
07FEB85	40	25.6
07FEB85	220	14.0
14FEB85	20	31.8
14FEB85	40	25.8
14FEB85	220	13.9
20FEB85	20	29.8
20FEB85	40	26.0
20FEB85	220	13.5
04MAR85	20	29.2
04MAR85	40	27.9
04MAR85	220	13.6
15MAR85	20	31.1
15MAR85	40	30.5
15MAR85	220	14.7
20MAR85	20	30.4
20MAR85	40	30.6
20MAR85	220	22.6
27MAR85	20	28.9
27MAR85	40	29.6
27MAR85	220	23.6
05APR85	20	30.0
05APR85	40	29.6
05APR85	220	24.8
12APR85	20	27.9
12APR85	40	28.6
12APR85	220	26.1
24APR85	20	26.4
24APR85	40	27.3
24APR85	220	25.7
01MAY85	20	28.8
01MAY85	40	30.1
01MAY85	220	27.7
10MAY85	20	24.9
10MAY85	40	26.4
10MAY85	220	28.5
15MAY85	20	21.5
15MAY85	40	25.3
15MAY85	220	28.2
24MAY85	20	25.7
24MAY85	40	25.6
24MAY85	220	28.9
30MAY85	20	20.2

30MAY85	40	23.8
30MAY85	220	28.7
04JUN85	20	16.3
04JUN85	40	20.9
04JUN85	220	28.1
14JUN85	20	13.1
14JUN85	40	14.9
14JUN85	220	27.6
21JUN85	20	11.2
21JUN85	40	12.7
21JUN85	220	28.9
26JUN85	20	13.9
26JUN85	40	17.1
26JUN85	220	28.3
03JUL85	20	10.4
03JUL85	40	12.6
03JUL85	220	28.7
10JUL85	20	9.6
10JUL85	40	11.0
10JUL85	220	28.3
23JUL85	20	19.4
23JUL85	40	21.6
23JUL85	220	28.0
30JUL85	20	15.6
30JUL85	40	18.0
30JUL85	220	28.0
06AUG85	20	12.3
06AUG85	40	13.6
06AUG85	220	27.4
15AUG85	20	23.9
15AUG85	40	24.9
15AUG85	220	27.9

-----Type = Experimental Plot 2 Tube Number = 124-----

Sampling Date	Depth From Surface (cm)	Volumetric Moisture Content (%)
31MAY84	30	15.7
31MAY84	60	14.5
31MAY84	90	5.0
31MAY84	120	4.2
31MAY84	150	3.1
31MAY84	180	3.5
31MAY84	210	8.0
31MAY84	240	10.0
02JUL84	30	15.4
02JUL84	60	14.6
02JUL84	90	5.0
02JUL84	120	4.2
02JUL84	150	3.2
02JUL84	180	3.5

02JUL84	210	8.3
02JUL84	240	10.2
23JUL84	30	11.2
23JUL84	60	11.7
23JUL84	90	5.5
23JUL84	120	4.7
23JUL84	150	3.3
23JUL84	180	3.5
23JUL84	210	8.1
23JUL84	240	10.2
13AUG84	0	8.4
13AUG84	20	18.7
13AUG84	40	13.9
13AUG84	220	10.6
28AUG84	20	19.4
28AUG84	40	13.2
28AUG84	220	8.7
05SEP84	20	10.6
05SEP84	40	12.4
05SEP84	220	8.5
25SEP84	20	8.6
25SEP84	40	10.5
25SEP84	220	8.5
05OCT84	20	12.8
05OCT84	40	10.6
05OCT84	220	8.7
11OCT84	20	12.0
11OCT84	40	10.7
11OCT84	220	8.7
23OCT84	20	20.3
23OCT84	40	11.6
23OCT84	220	8.7
29OCT84	20	24.1
29OCT84	40	21.2
29OCT84	220	8.6
05NOV84	20	22.3
05NOV84	40	20.7
05NOV84	220	8.6
20NOV84	20	20.5
20NOV84	40	20.5
20NOV84	220	8.5
27NOV84	20	20.8
27NOV84	40	20.3
27NOV84	220	8.6
03DEC84	20	20.6
03DEC84	40	20.2
03DEC84	220	8.5
11DEC84	20	21.6
11DEC84	20	21.6
11DEC84	40	20.2
11DEC84	40	20.2
11DEC84	220	8.6
11DEC84	220	8.6
18DEC84	20	22.6

18DEC84	40	20.5
18DEC84	220	8.4
27DEC84	20	23.4
27DEC84	40	21.0
27DEC84	220	8.4
02JAN85	20	26.8
02JAN85	40	30.0
02JAN85	220	10.1
10JAN85	20	26.1
10JAN85	20	26.1
10JAN85	40	28.1
10JAN85	40	28.1
10JAN85	220	9.9
10JAN85	220	9.9
17JAN85	20	26.9
17JAN85	40	26.7
17JAN85	220	9.7
24JAN85	20	28.6
24JAN85	40	27.2
24JAN85	220	9.4
07FEB85	20	31.1
07FEB85	40	26.4
07FEB85	220	9.4
14FEB85	20	30.5
14FEB85	40	25.8
14FEB85	220	9.2
20FEB85	20	29.3
20FEB85	40	27.0
20FEB85	220	9.1
04MAR85	20	28.8
04MAR85	40	31.8
04MAR85	220	9.0
15MAR85	20	31.2
15MAR85	40	32.6
15MAR85	220	10.0
20MAR85	20	30.5
20MAR85	40	33.2
20MAR85	220	15.9
27MAR85	20	29.4
27MAR85	40	30.9
27MAR85	220	17.4
05APR85	20	29.7
05APR85	40	32.4
05APR85	220	19.7
12APR85	20	28.4
12APR85	40	30.3
12APR85	220	21.1
24APR85	20	25.9
24APR85	40	27.6
24APR85	220	22.3
01MAY85	20	29.9
01MAY85	40	31.3
01MAY85	220	24.6
10MAY85	20	25.3

10MAY85	40	28.1
10MAY85	220	26.1
15MAY85	20	20.9
15MAY85	40	26.3
15MAY85	220	26.3
24MAY85	20	26.5
24MAY85	40	28.3
24MAY85	220	26.7
30MAY85	20	19.7
30MAY85	40	24.6
30MAY85	220	27.0
04JUN85	20	15.3
04JUN85	40	20.7
04JUN85	220	26.4
14JUN85	20	12.6
14JUN85	40	14.7
14JUN85	220	26.0
21JUN85	20	10.5
21JUN85	40	12.4
21JUN85	220	27.7
26JUN85	20	13.5
26JUN85	40	13.4
26JUN85	220	27.7
03JUL85	20	10.4
03JUL85	40	12.5
03JUL85	220	27.7
10JUL85	20	9.2
10JUL85	40	11.2
10JUL85	220	27.1
23JUL85	20	14.0
23JUL85	40	14.1
23JUL85	220	27.6
30JUL85	20	11.8
30JUL85	40	12.5
30JUL85	220	26.4
05AUG85	20	11.0
06AUG85	40	12.0
06AUG85	220	26.6
15AUG85	20	23.2
15AUG85	40	22.1
15AUG85	220	28.0