EVALUATION OF THE HORIBA PH METER

by

John N.R. Ruddick, Ph.D.

Faculty of Forestry, University of British Columbia.

A test of the Horiba pH meter was run on working CCA solutions. The results were compared to a conventional laboratory pH meter.

Solution No. Standard meter Horiba meter.	
1	
1 3.10, 3.11, 3.10 3.10, 3.10, 3.11 2 3.13, 3.12, 3.12 3.12, 3.12, 3.12 3 3.09, 3.10 3.09, 3.09 3.07 4 2.44 2.45 2.43 2.44, 2.44 2.45 5 2.13, 2.13 2.13 2.13 2.13 2.13 6 1.77 1.77 1.78 1.76 1.77 1.77 7 2.00	
	ķ .
	k *
	**

- * Standard solution (pH = 2.00) 25 ml 0.2M KCl + 6.5 ml 0.2 M HCl diluted to 100 ml.
- ** Standard solution (pH = 1.80) 25 ml 0.2M KCl + 10.2 ml 0.2 M HCl diluted to 100 ml.
- *** Standard solution (ph = 2.60) 50 ml 0.1 M KH Phthalate + 35.4 ml 0.1 M HCl diluted to 100 ml.

The Horiba appears to be a convenient accurate instrument for the in plant quality control determination of the pH of CCA treating solutions. It should work equally well on ammoniacal solutions.

John N.R. Ruddick, Ph.D.