

62304
Cranfield

Class 633.72 D27
No.

A MULTI LAYER SOIL WATER USE MODEL FOR TEA

R.P. DE SILVA

M.Sc. THESIS 1991

Silsoe College



62304

A B S T R A C T

A multi layer soil water use model was developed and tested with experimental water use readings from Tanzania. The predictions through the model agreed well with both the experimental readings and with that of predictions by a single layer water use model. Further it was able to identify the points at which evapotranspiration is restricted with respect to the matric potential and rooting density. They were 0.4 bar ($pF = 2.6$) and 2.5 m respectively for this particular clone (6/8).