

DETERMINATION OF WATER POTENTIAL OF MANGO TREE  
BY PRESSURE BOMB

Manoel T de. Castro Neto

Embrapa Semi-Árido, C.P. 23, 56300-000, Petrolina, PE, Brazil,  
castro@cnpmf.embrapa.br

Determination of the water potential of mango trees by pressure bomb presents a problem because the mango is a latex type sap conducting plant. During the measuring of water potential of the plant by pressure bomb the sap gets mixed with the water of the xylem and the point for the observation of the water potential and its measurement is misleading. A method is presented where the water potential of mango trees were determined using small branches. The results showed good relationship between-plant water potential and soil water potential. The validity of the method was also checked using other latex type sap conducting plants.