



## Crop Physiology

By Devi Lal Bagdi

New India Publishing Agency, 2016. Hardcover. Book Condition: New. 1st Edition. Contents: 1. Preparation of solutions. 2. To demonstrate the phenomenon of osmosis using potato osmoscope. 3. To demonstrate the phenomenon of endosmosis and exosmosis by using grapes and raisins. 4. To demonstrate the process of diffusion. 5. Methods of measurement of water status and water saturation deficit in plant parts. 6. Estimation of water potential of plant tissue by Chardakovs method. 7. Estimation of photosynthetic pigment from plant leaves. 8. Measurement of absorption spectrum of chloroplastic pigments. 9. To demonstrate chlorophyll fluorescence. 10. Measurement of leaf area by graph paper method. 11. Estimation of stomatal index and stomatal frequency with replica method. 12. Demonstration of leaf anatomy or structure of C3 and C4 plants (demonstration by already prepared slides). 13. To demonstrate that water is lost from a living plant during transpiration. 14. To measure rate of transpiration of potted plant by gravimetric (lysimeter) method. 15. To measure the rate of transpiration by using Ganongs photometer. 16. To find out the relation between transpiration and absorption. 17. To demonstrate unequal transpiration by the two leaf surfaces from four leaf method. 18. To demonstrate that light and carbondioxide are essential...



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