

	<p>PROCEEDINGS OF THE FLORIDA STATE HORTICULTURAL SOCIETY</p>	  
--	---	--

VOL. XLVI

PRINTED 1933

## CONTENTS

Officers for 1933.....	III
Constitution .....	IV
By-Laws .....	V
List of Members .....	VI
Editorials .....	XV
Forty-Sixth Annual Meeting of Florida State Horticultural Society .....	1
Address of Welcome, Mayor Chas. M. Guyton, Lake Wales.....	1
Response to Address of Welcome, S. F. Poole, Lake Alfred .....	2
President's Annual Address, John S. Taylor, Largo.....	3
Address, Roger W. Babson, Babson Park .....	4
Address, Dr. Ludd M. Spivey, Southern College, Lakeland.....	6
Fertilizing Florida Citrus, E. H. Hurlebaus, Clearwater .....	9
Announcement .....	12
The Intake of Plant Food by Citrus Trees, Henry C. Henricksen .....	12
Regional Agricultural Credit Corporation Loans, H. L. Pringle, Leesburg, .....	17
Florida Soil and Fertilization Problems, Robert P. Thornton, Tampa.....	18
The Crotalaria as Cover Crops, Discussion Subject .....	22
Cost, Yields, Receipts and Profits, Ten Groves for Sixteen Years, 1916-17 to 1931-32, Inclusive, J. E. Turlington, Professor of Agricultural Economics and Extension Economist, College of Agriculture, University of Florida .....	24
The Bulge Pack and Poor Containers as They Affect the Marketing of Florida Produce, M. R. Ensign, Agricultural Experiment Station, Gainesville .....	32
Some Problems in Citrus Products Research, Harry W. Von Loesecke, U. S. Citrus Products Laboratory, Food Research Division, Bureau of Chemistry and Soils, Winter Haven .....	38
The Correlation of Daily Rainfall and Soil Moisture with Citrus Yield and Size of Fruit, E. F. DeBusk, Gainesville .....	44
Sprays for Scale Insects and Whiteflies on Citrus Trees in Florida, Bureau of Entomology, United States Department of Agriculture, W. W. Yothers, Entomologist, Ralph L. Miller, Associate Entomologist, Orlando .....	48
Iron Sulphate and Other Materials for Increasing the Effectiveness of Sulphur Insecticides on Citrus Trees, Ralph L. Miller, Associate Entomologist; W. W. Yothers, Entomologist, and Ione Pope Bassett, Senior Scientific Aid, Bureau of Entomology, United States Department of Agriculture, Orlando.....	52

The Effect of Lead Arsenate Insecticides on Citrus Fruits, Ralph L. Miller, Associate Entomologist; Ione Pope Bassett, Senior Scientific Aid, and W. W. Yothers, Entomologist, Bureau of Entomology, United States Department of Agriculture, Orlando .....	57
The Value of the Brand in Citrus Marketing, A. M. Pratt, Winter Haven .....	71
Research in Relation to the Citrus Industry, Chester T. Melvin, Tampa .....	74
Are Plant Quarantines Worth While? B. L. Hamner, Tampa.....	76
Tung Oil Developments of the Year, B. F. Williamson, Gainesville .....	79
Some Factors Influencing Decay in Florida Citrus Fruits, J. R. Winston, Bureau of Plant Industry, United States Department of Agriculture, Orlando .....	82
Termites as a Pest of Citrus Trees, W. L. Thompson, Lake Alfred .....	84
Melanose and Stem-end Rots of Citrus Trees, Wm. A. Kuntz and Geo. D. Ruehle.....	87
High-Pressure Spraying in the Citrus Grove, Charles D. Kime, Orlando .....	91
A Spray Program for Citrus Trees, R. H. Linderman, Lake Wales .....	96
Top-Working Citrus Trees, Leo H. Wilson, Bradenton .....	97
Ornamental Trees in Florida, Harold Mowry, Agricultural Experiment Station, Gainesville.....	99

## KROME MEMORIAL INSTITUTE

Proceedings of the Krome Memorial Institute, Lake Wales, Florida .....	107
Pollination and Other Factors Influencing the Production of Avocados, T. Ralph Robinson, Senior Physiologist, United States Department of Agriculture, Terra Ceia .....	109
The Production of Limes in Florida, A. F. Camp, Horticulturist and Head of Department.....	115
The Growing of Avocados in the Everglades, Paul M. Hoenshel, Port Mayaca.....	121
Avocado Maturity Studies, A. L. Stahl, Gainesville.....	123
The Search for New and Promising Varieties of Avocados, Leonard H. Toy, Homestead.....	133
Practical Hints to Commercial Avocado Growers, W. F. Ward, Avon Park .....	139
The Marketing of Avocados, H. W. Dorn, Naranja .....	143

## REPORTS OF COMMITTEES

Committee Appointments, 1933 .....	149
Report of Committee on Necrology.....	151
Dr. Thomas G. Lee, Babson Park.....	151
E. E. Truskett, Mt. Dora.....	151
Geo. A. Miller, Sr. ....	151
A. D. Robinson, Hollywood.....	150
Allen J. Fletcraft, Winter Haven .....	150
Annual Reports—	
Report of Secretary.....	152
Report of Treasurer .....	153
Report of Auditing Committee.....	153
Report of Executive Committee.....	154
Report of Florida Agricultural Legislative Committee .....	154
Report of Final Resolution Committee .....	155
Report of Nominating Committee .....	154
Selection of Meeting Place for 1934.....	156