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PROGRAMME TOOMBOOMBA CONFERENCE

Wednesday 5th December, 1984.

Room 113, Resource Material Centre
Darling Downs Institute
of Advanced Education

9.15 Morning Tea

FIRST SESSION - PLANT BREEDING, FIBRE TESTING AND DISEASES

Chairman - Mr. A. Brimblecombe

First Session Theme

Fibre 2000

SEGMENT 1 : SPINNING REQUIREMENTS OF COTTON9.35 am The Importance of Grade Versus High Strength
D. Hughes, Auscott Ltd.Trends in the Spinning Industry
R. Green, Bradmill TextilesWorld Markets and Demand
P. Harris, Cotton Marketing BoardPrices and Qualities
W. Leatherman, Darling River Cotton Co.

Panel Session

SEGMENT 2 : PLANT BREEDING10.35 am Progress in Commercial Varieties - What's Around the Corner
Here and in the U.S.A.
R. Allaway, Cotton Seed Distributors Ltd.Breeding Cottons for Australian Conditions
Dr. N. Thomson, C.S.I.R.O.Breeding Cultivars for Specific Environments - The Queensland
Experience
Dr. P. Lawrence, J. Berthelsen, J. Hare, Queensland Department
of Primary IndustriesThe Aims of the High Quality Breeding Programme
Dr. D.J. Lockett, C.S.I.R.O.**SEGMENT 3 : PLANT DISEASES**11.30 am Assessing the Loss Due to Bacterial Blight
M. Moffett, Queensland Department of Primary IndustriesDiseases in the 1983/84 Cotton Crop & Future Directions for
Disease Research
Dr. S.J. Allen, N.S.W. Department of Agriculture

Panel Session

1.00 pm Lunch

SECOND SESSION - PEST MANAGEMENT

Chairman - Mr. P. Kahl

Second Session Theme

Pests - Surviving to 2000

SEGMENT 1 : PYRETHROIDS AND RESISTANCE

- 2.00 pm Field Evaluation of an Insecticide Management Strategy
for the Control of Pyrethroid Resistant *Heliothis Armigera*
Dr. N. Forrester and M. Cahill, N.S.W. Department of Agriculture
- Containing Resistance
Dr. P. Twine, Queensland Department of Primary Industries
- Comparisons of the Biology of Pyrethroid Resistant &
Susceptible *Heliothis Armigera*
G.P. Fitt, C.S.I.R.O.
- Why is a Study of the Genetics of *Heliothis* Important in
Pesticide Resistance?
Dr. J. Daly, C.S.I.R.O.

SEGMENT 2 : GENERAL PEST MANAGEMENT

- 2.50 pm The Efficiency & Degradation of Current Insecticides
A.G.L. Wilson, C.S.I.R.O.
- Pink Spotted Bollworm - It's Spread and Control
F.D. Page, M.P. Modini, D.A.H. Murray, Queensland Department
of Primary Industries
- 3.10 pm Afternoon Tea
- 3.25 pm Notes on the Pest Status of and Sampling Methods for Sap-
Sucking Bugs in Cotton
G.D. Adams, D.H. Foley, B.A. Pyke, University of Queensland &
Cotton Marketing Board
- A Comparison of Different Siratac Systems of Pest Management -
Initial Results
K.D. Brook & A.B. Hearn, C.S.I.R.O.
- Siratac - From Now On
R.S. Browne, Siratac Ltd.
- Panel Session
- 7.00 pm Conference Dinner at McGregor College - Chairman Mr. R. Schulze
- Presentation of Researcher Awards
- Guest Speaker

Thursday 6th December.

THIRD SESSION - SOIL, WATER AND AGRONOMY

Chairman - Mr. N. Marran

Third Session Theme

Conserving Our Resources to Beyond 2000

SEGMENT 1 : SOILS

9.00 am Managing Compaction in Soddy Grey Clays
D. McKenzie, C.S.I.R.O.

Cotton Growth on Land Prepared Wet
I. Daniells, N.S.W. Department of Agriculture

9.30 Morning Tea

SEGMENT 2 : AGRONOMY AND WATER

9.45 am Irrigation Management of Cotton for Efficient Water Use
(a) Soil & Irrigation Factors
D.F. Yule, Department of Primary Industries

(b) Crop Response & Crop Use Efficiency
G. Keefer, Department of Primary Industries

Waterlogging of Cotton & Ways of Overcoming It's Effects
A.S. Hodgson, N.S.W. Department of Agriculture

The Growth of Cotton : Temperature, Solar Radiation & Nitrogen
Fertilizer
G. Constable, N.S.W. Department of Agriculture

Crop Modelling in the U.S.A. - A Contrast with Australia
A.B. Hearn, C.S.I.R.O.

Panel Session

FOURTH SESSION - INDUSTRY MATTERS

Chairman - Mr. R. Williams

Fourth Session Theme

Industry Matters

11.40 am Best Value for the Research Dollar
E. Muir, Chairman, Cotton Research Committee

News from the Cotton Foundation
P. Ireland, Cotton Foundation

How Can a Cotton Grower Choose Among the Alternative
Marketing Opportunities Now Being Offered?
C. Mason, N.S.W. Department of Agriculture

Panel Discussion with Cotton Research Committee

A.C.G.R.A. Matters, R.A. Williams

1.00 pm Lunch

FIFTH SESSION - DRYLAND COTTON

Chairman - Mr. W. Leatherman

Fifth Session Theme Expanding or Contracting Towards 2000?

2.00 pm New Types of Equipment Available for Dryland Cotton Farming
 A. Von Mengersen, Namoi Cotton Co-operative

 Influence of Harvesting Techniques on Fibre Quality
 N. Sowerby, Auscott Ltd.

 Dryland Cotton in Queensland
 B. Pyke

 Panel Discussion on Dryland Cotton

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