



**ECONOMIC & SOCIAL
CONSEQUENCES OF THE
IMPROVED SEEDS**

19 april ~ 20 may 1973

in sri lanka

**10th study seminar of the
INSTITUTE OF DEVELOPMENT STUDIES
at the university of sussex
1st seminar of the
AGRARIAN RESEARCH and TRAINING
INSTITUTE, colombo, sri lanka**

ECONOMIC & SOCIAL CONSEQUENCES

OF THE IMPROVED SEEDS

Study Seminar 30

19 April - 19 May 1973

in Sri Lanka

Seminar Directors:

Professor Michael Lipton
Fellow,
Institute of Development Studies

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Director,
Agrarian Research & Training Institute

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Research Officer,
Institute of Development Studies

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Miss Ann Warden
Institute of
Development Studies

in Sri Lanka

19 April - 19 May 1961

Senior Research Officers

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Fellow
Institute of Development Studies

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Mr. L. L. L.
Research Officer
Institute of Development Studies

SS30: ECONOMIC AND SOCIAL CONSEQUENCES OF THE IMPROVED SEEDS

<u>Name</u>	<u>Country</u>	<u>Present Position</u>
Mr. A. M. Akhanda	Bangladesh	Instructor in Agricultural Extension, Bangladesh Academy for Rural Development, Bangladesh. 1966 to date
Mr. S. H. Charles	Sri Lanka	Agricultural Officer, c/o Director of Agriculture, Peradeniya. 1971 to date
Dr. J. M. Gunadasa	Sri Lanka	Assistant Lecturer, University of Sri Lanka, Peradeniya. 1968 to date.
Mr. D. U. de Silva Hewavisenti	Sri Lanka	Senior Assistant Commissioner of Agrarian Services, Colombo. 1958 to date.
Mr. S. M. Kanai	Kenya	Manager, Mwea Irrigation Settlement, National Irrigation Board of Kenya. 1972 to date.
Dr. I. Ahmed	Bangladesh	Asst. Professor, Department of Economics, University of Dacca. 1972 to date.
Mr. P. S. Majumdar	India	Chief, Agricultural Division, Planning Commission. 1970 to date.
Mr. D. W. M. Marapone	Sri Lanka	Senior Commissioner of Co-operative Development, Sri Lanka. From February '73.
Mr. S. A. Nader	Iran	Seed Specialist, Seed and Plant Improvement Institute, Government of Iran. 7 years.
Mr. S. Natesan	Sri Lanka	Assistant Director of Agriculture (Extension).
Mr. J. P. Munnall	Papua New Guinea	Agricultural Economist, Department of Agriculture, Stock and Fisheries, Papua New Guinea.
Mr. N. Ortioic	Philippines	Executive Coordinator, National Food and Agricultural Council, Dept. of Agricultural and Natural Resources, The Philippines.

<u>Name</u>	<u>Country</u>	<u>Present Position</u>
Miss E. Pili	Philippines	Supervising Agronomist, Bureau of Plant Industry, Manila. 1972 to date.
Dr. A. R. Rajapurchit	India	Lecturer, Gokhale Institute of Politics and Economics, Poona, India.
Dr. S. Selvanayagam	Sri Lanka	Senior Lecturer in Geography, University of Ceylon. 1959 to date.
Mr. Muhamed Sidik	Indonesia	To plan the distribution of improved seeds, to plan the production and distribution of seed, Directorate of Production Development, Jakarta.
Mr. D. E. F. Surawera	Sri Lanka	Agricultural Economist, Department of Agriculture, Peradeniya, Sri Lanka. 1971 to date.
Mr. J. E. D. Karunaratne	Sri Lanka	Staff Officer Grade I, Central Bank of Sri Lanka, Colombo. 1970 to date.
Mr. R. Persaud	Guyana	Manager, Government Farm.
Mr. S. W. Muranjan	India	Gokhale Institute.
Mr. U. S. Kang	India	Director, HYV Programme. Government of India.
Mr. P. C. Chadha	India	

OPENING ARRANGEMENTS

Thursday 19 April, 1973

17.30 Arrival in Kandy
to
18.30 Introduction of Participants

20.00
to
21.00 Welcome and Introduction

OPTIC ARRANGEMENTS

Thursday 12 April 1973

Arrival in Kenya	17.30
Introduction of participants	18.30
	20.00
Workshop and Introduction	21.00

WEEK 1

PART I HYVs & THEIR ADOPTION

<u>Date</u>	<u>Time</u>	<u>Topic</u>	<u>Lecturer</u>
Friday 20 April	08.00 to 09.30	Opening address Hon. Minister of Agriculture and Lands	
	09.45 to 11.15	Aims and achievements of agricultural policy in LDCs of the region 1950-72 (growth)	M. Lipton
	14.30 to 16.00	Aims and achievements of agricultural policy of LDCs of the region 1950-72 (distribution)	M. Lipton
	16.15 to 17.45	Agricultural development policies in Sri Lanka: a review of a decade	M. Silva
Saturday 21 April	08.00 to 09.30	The contribution of HYVs in Asian perspective	T. Jogaratnam
	09.45 to 11.15	Macro-economic framework for evaluating national HYV policies - I (agricultural - non agricultural relations and marketed surplus: long run and short run growth and distribution impact; balance-of- payments and administrative constraints)	M. Lipton
		NO ARRANGED PROGRAMME	
Sunday 22 April		NO ARRANGED PROGRAMME	

WEEK 2

<u>Date</u>	<u>Time</u>	<u>Topic</u>	<u>Lecturer(s)</u>
Monday 23 April	08.00 to 09.30	Macro-economic framework for evaluating HYV policies - II (physical/environmental impact on cost/benefit: packages and alternatives; the impact of local tenure situations)	M. Lipton
	09.45 to 11.15	Syndicate discussion of country papers	
	14.30 to 15.30	Recent advances in the development of HYV rice in Sri Lanka	J.W.L. Peiris
	15.45 to 18.00	Visit to the Central Agricultural Research Institute, Gannoruwa	
	Tuesday 24 April	08.00 to 09.30	Rice : biological and environmental features that impinge on yield potential
09.45 to 11.15		Wheat: biological and environmental features that impinge on yield potential.	
14.30 to 15.30		Social background to agricultural innovation in the Wet Zone (Sri Lanka)	S.P.F. Senaratne
15.45 to 18.00		Syndicate discussion of country papers	
Wednesday 25 April		08.00 to 11.15	Theory and practice of improved rice farming in the field - Visit to In-service Training Institute - Gannoruwa
	14.30 to 15.30	Impact of price incentives on the uptake of HYVs	M. Lipton
	15.45 to 18.00	Syndicate discussion of country papers	
Thursday 26 April	08.00 to 09.30	Seed research, multiplication and distribution	S.H. Charles E. Zink
	09.45 to 11.15	Selection of fertilizers Distribution of fertilisers	I. Gunawardena R.A.P. Malalasekera

WEEK 2 (cont'd.)

<u>Date</u>	<u>Time</u>	<u>Topic</u>	<u>Lecturer(s)</u>
Thursday 26 April	14.30 to 15.30	Panel discussion - Pesticide, weedicides and fungicides or breeding for resistance	H.E. Fernando I. Gunawardena
	15.45 to 18.00	Panel discussion - Water management	S.V.A. Buddhadasa . Lewis
Friday 27 April		Getting the inputs to the farmer. Field visits in the Minipe area (42 miles from Kandy) Participants are requested to leave Suisse Hotel after early breakfast and return for dinner	
Saturday 28 April	08.00 to 09.30	Institutional support for HYVs: a review of the situation in Sri Lanka.	C. Narayanasamy
	09.45 to 11.15	Extension and HYV packages	E. Abeyratne
	14.30 to 15.30	Rural credit and credit support for the HYVs	N. Jayaweera
	15.45 to 18.00	Marketing of increased production with particular reference to the output of HYVs.	M.J. Perera
Sunday 29 April		NO ARRANGED PROGRAMME	

WEEK 3

PART II - MEET THE ADMINISTRATORS & FARMERS

<u>Date</u>	<u>Time</u>	<u>Topic</u>
Monday 30 April	a.m.	Meetings with District Officers (Kandy/Kegalle) (Govt. Agent, District Agricultural Officer Assistant Commissioner Co-operative Development Assistant Commissioner Agrarian Services, Irrigation Engineers etc).
	p.m.	Meetings with Divisional Officers (Kandy/Kegalle) Divisional Revenue Officer Agricultural Instructor Agrarian Service, Colonisation Officer, Co-operative Inspector, Manager - Rural Bank etc.
Tuesday 1 May		PUBLIC HOLIDAY Whole day excursion to Nuwara Eliya
Wednesday 2 May		Visit Rural Institutions (Agricultural Extension, Agricultural Productivity Centre, Co-operative Store, Cultivation Committee, Seed Paddy Store, Fertiliser Store, Paddy Purchasing Centre)
Thursday 3 May		Visit - Wet Zone village without HYV Observations and interviews
Friday 4 May		Visit - Wet Zone village with HYV Observations and interviews
Saturday 5 May		Travel to India
Sunday 6 May		

WEEK 4

<u>Date</u>	<u>Time</u>	<u>Topic</u>
Monday 7 May	a.m.	Meetings with District Officers (India) (Government Agent, District Agricultural Officer, Assistant Commissioner - Co-operative Development, Assistant Commissioner - Agrarian Services, Irrigation Engineers etc.)
	p.m.	Meetings with Divisional Officers (India) Divisional Revenue Officer, Agricultural Instructor, Divisional Officer - Agrarian Service, Colonisation Officer, Co-operative Inspector, Manager - Rural Bank etc.
Tuesday 8 May		Meetings with Divisional Officers Visit Rural Institutions
Wednesday 9 May		Visit - Indian/Dry Zone village without HYV Observations and interviews
Thursday 10 May		Visit - Indian/Dry Zone village with HYV Observations and interviews
Friday 11 May)	Return travel to Sri Lanka
Saturday 12 May)	

PART III - IMPACT OF HYVs

<u>Date</u>	<u>Time</u>	<u>Topic</u>	<u>Lecturer(s)</u>
Sunday 13 May	08.00 to 09.45	Utilisation of labour under HYVs in Sri Lanka	K. Izumi A.S. Ranatunge
	10.00 to 12.00	Farm mechanisation in relation to HYVs	T. Wickramanayake R. Sathasivampillai
	14.15 to 16.15	Preparation of field reports	
Monday 14 May	08.00 to 09.30	Effects of improved seed on rural institutions	W. Gooneratne K. Rupesinghe
	09.45 to 11.15	Panel discussion Impact of HYVs on Income Distribution and Employment	W. Rasaputram S. Weerasinghe T. Jogaratnam F. Saunders
	14.30 to 16.00	Preparation of field reports	
	16.15 to 17.45	HYVs and Human nutrition	
Tuesday 15 May	08.00 to 09.30	Topic to be announced	T.S. Epstein
	09.45 to 11.15	Topic to be announced	S. Seshaiyah
	14.30 to 16.00	Preparation of field reports	
	16.15 to 17.45	Some constraints on production from HYVs under existing rural conditions in Sri Lanka	K. Izumi A.S. Ranatunge
Wednesday 16 May	08.00 to 09.45	New cropping patterns	W. Fernando B. Golden
	10.00 to 12.00	High yielding varieties other than cereals	W. Fernando
	14.30 to 16.00	Preparation of field reports	
	16.15 to 17.45	Topic to be announced	T.S. Epstein
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WEEK 5 (cont'd.)

<u>Date</u>	<u>Time</u>	<u>Topic</u>	<u>Lecturer(s)</u>
Thursday 17 May	08.00 to 09.45	Role of administrators in the context of a changing agrarian situation: a district point of view	B. Weerakoon
	10.00 to 12.00	A land reform policy in the context of HYVs	H.D. Dias
	14.15 to 16.15	Preparation of field reports	
	16.15 to 17.45	Topic to be announced	S. Sessaiah
Friday 18 May	08.00 to 09.45	Import-export policies in the context of HYVs	G. Gunatilleke
	10.00 to 12.00	Policies of developed countries and their impact on HYVs in Developing Countries	
	14.15 to 16.15	Prospects of HYVs - areas, income distribution, class information, prices etc.	General discussion by all participants
Saturday 19 May	08.00 to 09.30	Evaluation and Conclusion	
		Return to Colombo	

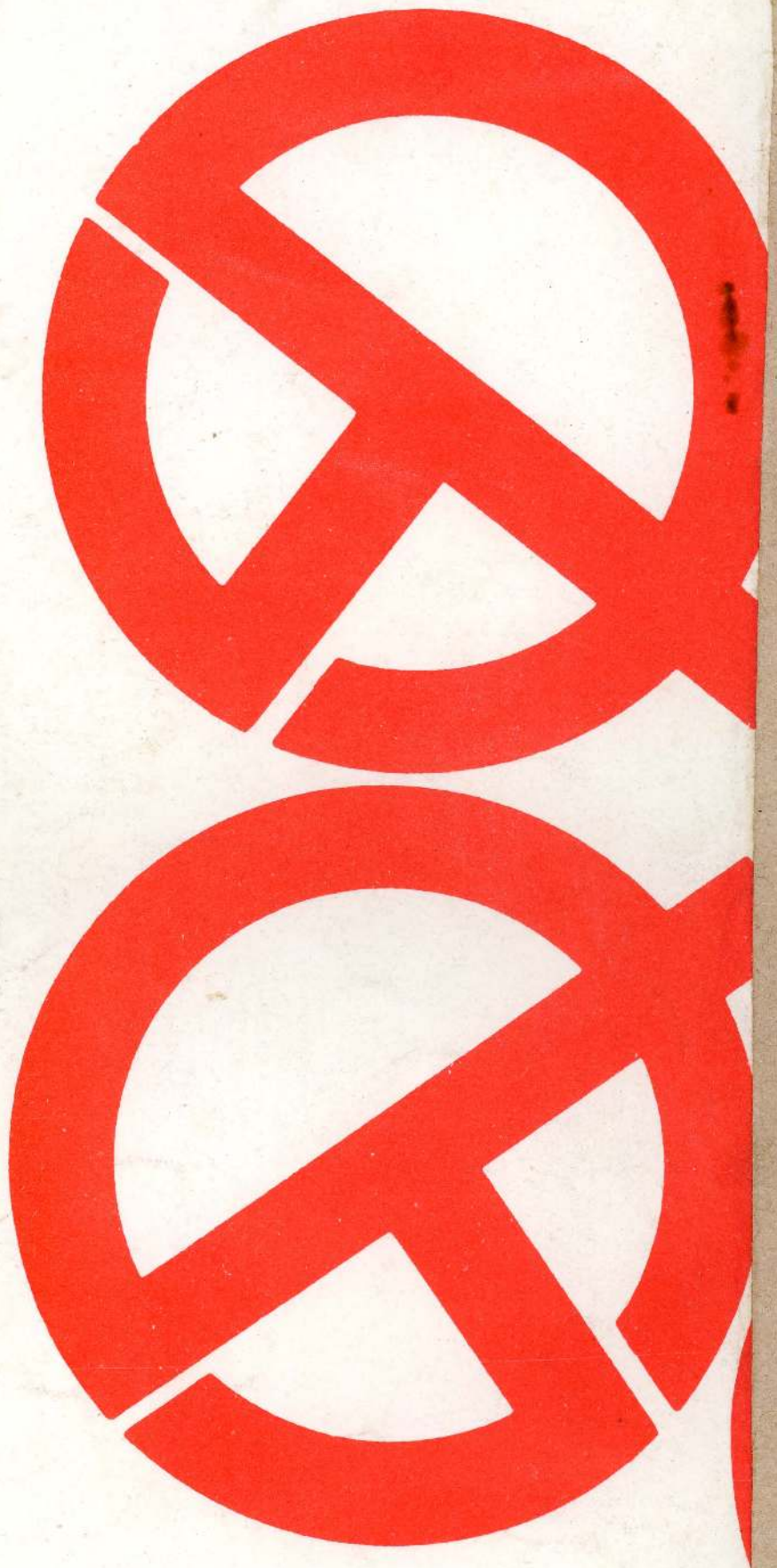
Topic	Start	End	Day
Form of interventions in the context of HIV	08:00	09:45	Thursday 12 Nov
A land reform policy in the context of HIV	10:00	12:00	
Preparation of reports	14:15	15:15	
Logic to be announced	16:15	17:45	
Report-writing policies in the context of HIV	08:00	09:45	Friday 13 Nov
Policies of developed countries and their impact on HIV in developing countries	10:00	12:00	
Prospects of HIV - areas, income distribution, class information, prices etc.	14:15	16:15	
Evaluation and conclusion	08:00	09:30	Saturday 14 Nov
Forum in Chicago			

Lecturers

E. Abeyratne	Department of Agriculture Sri Lanka
S.V.A. Buddhadasa	Irrigation Department Sri Lanka
S.H. Charles	Department of Agriculture Sri Lanka
B. Golden	Ford Foundation
H.D. Dias	Agrarian Research and Training Institute
T.S. Epstein	Fellow Institute of Development Studies
H.E. Fernando	Department of Agriculture Sri Lanka
W. Fernando	Department of Agriculture Sri Lanka
L. Gooneratne	Agrarian Research and Training Institute
G. Gunatilleke	Marga Institute Sri Lanka
I. Gunawardena	Department of Agriculture Sri Lanka
K. Izumi	Agrarian Research and Training Institute
N. Jayaweera	Marga Institute Sri Lanka
T. Jogaratnam	University of Sri Lanka
. Lewis	Department of Agriculture Sri Lanka
M. Lipton	Fellow Institute of Development Studies
R.A.P. Malalasekera	Sri Lanka Fertilizer Corporation
C. Narayanasamy	Director Agrarian Research and Training Institute
J.W.L. Peiris	Department of Agriculture Sri Lanka
M.J. Perera	Paddy Marketing Board Sri Lanka
A.S. Ranatunge	Research Officer Agrarian Research and Training Institute

W. Rasaputram	Central Bank Sri Lanka
K. Rupesinghe	Research Officer Agrarian Research and Training Institute
R. Sathasivampillai	Department of Agriculture Sri Lanka
F. Saunders	FAO Advisor Agrarian Research and Training Institute
S.P.F. Senaratne	Department of National Museums Sri Lanka
M. Silva	Secretary Ministry of Agriculture & Lands Sri Lanka
S. Sessaiah	Institute for Social & Economic Change Bangalore, India
B. Weerakoon	Ceylon Administrative Service
H. Weeraratne	Department of Agriculture Sri Lanka
S. Weerasinghe	Department of Agriculture Sri Lanka
T. Wickramanayake	Paddy Marketing Board Sri Lanka
E. Zink	Department of Agriculture Sri Lanka





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