

## APPENDICES

Appendix 1. Activities undertaken by the extension and training center regarding rice production program in 2001.

Activity	Number of programs	Number of persons involved
Farmer and officer training	14660	293200
Maximum yield 1 acre demonstrations	1300	1300
Maximum yield <i>yaya</i> demonstrations	20	400
Weed control demonstrations	400	400
Pavements for cow dung collection	800	800
Promotion of agricultural machinery	240	240000
Supply of threshing floor material	400	4000
Crop cut surveys	12000	12000
Fertilizer credit (total Rs. 30 million)	2000	75000
Forward contracting for paddy marketing	200	20000
Mass media activities	560	200000

Source: DOA (2002).

## Appendix 2. Agricultural radio programs broadcast in 2002.

Program	Channel	Days	Time
<i>Bulath hurulla</i>	Lakhanda Sevaya	Monday to Friday	6.30-6.33 am
<i>Gewatta (Live)</i>	National service	Tuesdays	8.30-9.00 pm
<i>Saraboomi</i>	Lakhanda Sevaya	Thursdays	7.30-7.45 pm
<i>Sarukethi Govisethi</i>	Pavana	Fridays	7.00-7.30 pm
<i>Kethrata</i>	National service	Saturdays	6.45-7.00 pm
Spots (Messages)	All FM channels	As necessary	As necessary
<i>Wandora</i>	National service	Saturday(monthly)	9.00-11.00 am
<i>Pahanpiyasa</i>	Lakhanda Sevaya	Fridays	1.00-1.30 pm
For women and children	Lakhanda, Tharu, Hiru, Sri	Week days	1.00-3.00 pm
Live broadcasts	All channels	As necessary	As necessary
News	All channels	As necessary	As necessary
<i>Saruketha</i>	Rajarata Sevaya	Wednesdays	7.45-8.00 pm
<i>Lalana Sandella</i>	Rajarata Sevaya	Wednesdays	7.00-7.30 pm
<i>Parisarayai Obai</i>	Rajarata Sevaya	Mondays	7.00-7.30 pm
Spots (Messages)	Rajarata Sevaya	As necessary	As necessary
<i>Isuru suvada</i>	MI Praja sevaya	Mondays	6.20-6.30 pm
<i>Saruketha</i>	MI Praja sevaya	Tuesdays	7.20-7.30 pm
Spots (Messages)	MI Praja sevaya	As necessary	As necessary
Spots (Messages)	Pulathisirawaya	As necessary	As necessary
Spots (Messages)	Wanni sevaya	As necessary	As necessary
<i>Kalawita</i>	Kandurata sevaya	Tuesdays/Saturdays	7.00-7.15pm
<i>Govibima</i>	Kandurata sevaya	Saturdays	6.45-7.00 pm
<i>Ape govithena</i>	Kotmale sevaya	Wednesdays	6.30-6.45 pm
<i>Kethbima</i>	Giradurukotte sevaya	Mondays	7.00-7.15 pm
<i>Kethrata</i>	Giradurukotte sevaya	Mondays	7.00-8.00 pm
<i>Ruhunu bimai govi dathai</i>	Ruhunu sevaya	Tuesdays	6.45-7.00 pm
<i>Govibima</i>	Ruhunu sevaya	Mondays	7.45-8.00 pm

Source: DOA (2003).

## Appendix 3. Agricultural television programs telecast in 2002.

Program	Channel	Medium	Day	Time
<i>Govibimata Arunalu</i>	1	Sinhala	Saturday	2.00-2.30 am
<i>Mihikatha Dinuwo</i>	1	Sinhala	Friday	6.15-6.30 pm
<i>Govi Sendella</i> (Live)	Channel Eye	Sinhala	Monday	7.30 – 8.00 pm

Source: DOA (2003).



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Appendix 4. Major activities implemented under the *yaya* program in 2002.

### **1. Training Programs**

- a) Training of farmers and officers
- b) Training of Agriculture Research and Development Assistants
- c) Conducting crop cut surveys
- d) Skill development training program for Agriculture Research and Development Officers

### **2. Demonstration programs**

- a) One acre maximum yield demonstration
- b) One *yaya* maximum yield demonstrations
- c) Half an acre maximum yield demonstration by Agriculture Research and Development Assistants
- d) Weed control demonstrations

### **3. Promotion of soil fertility improvement**

- a) Payment for cow dung collection
- b) Campaign for organic manure use
- c) *Yaya* soil testing program

### **4. Promotion of post harvest technology practices**

- a) Training of rice millers
- b) Training of extension officers
- c) Promotion of the use of threshing floor carpets
- d) Promotion of use of agric. machineries (Combined harvester, etc.)
- e) Rice product promotion

### **5. Facilitating other services**

- a) Arranging fertilizer credit
- b) Facilitating forward contract for paddy marketing
- c) Facilitating certified seed paddy production
- d) Supply of threshing floor materials

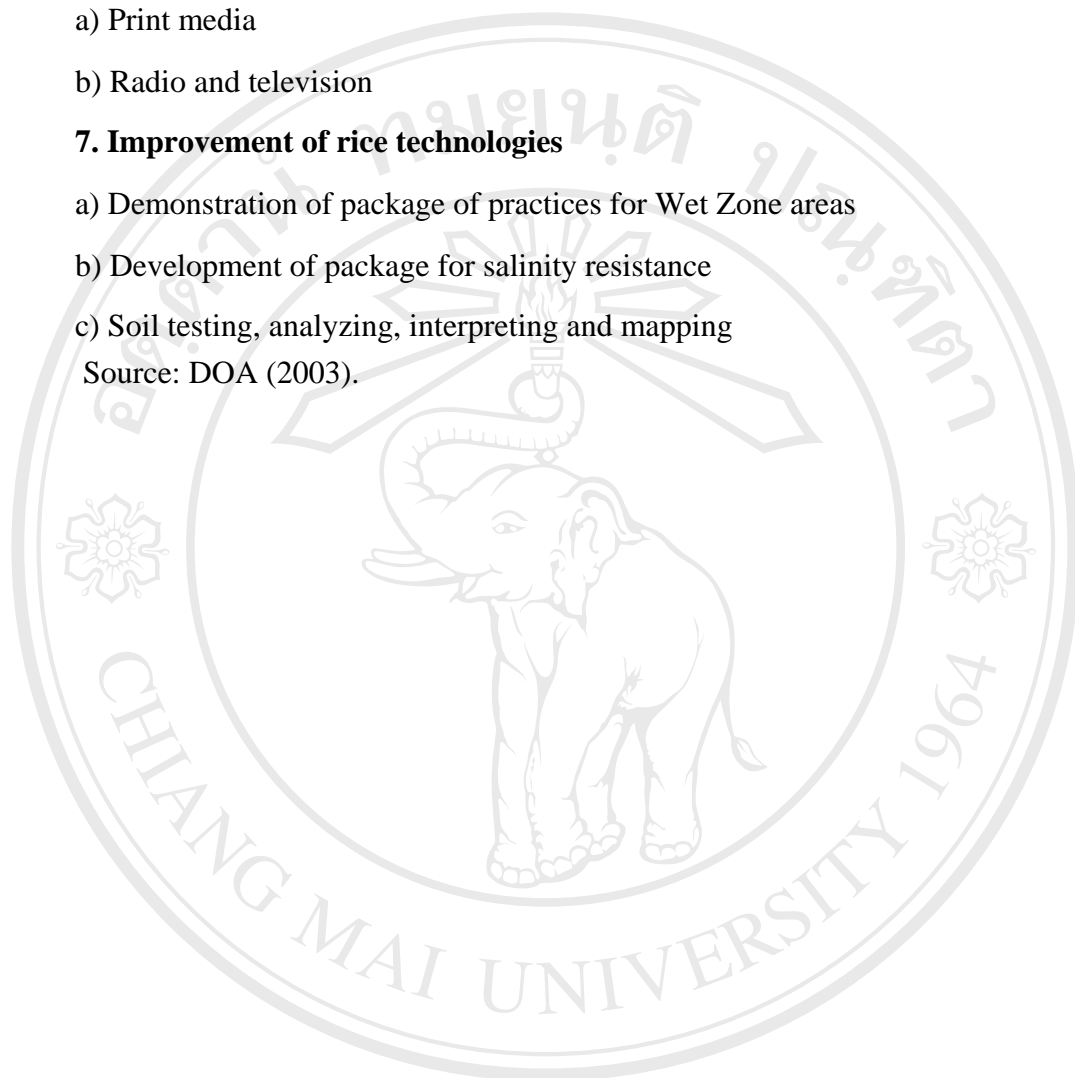
## 6. Mass media Programs

- a) Print media
- b) Radio and television

## 7. Improvement of rice technologies

- a) Demonstration of package of practices for Wet Zone areas
- b) Development of package for salinity resistance
- c) Soil testing, analyzing, interpreting and mapping

Source: DOA (2003).



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Appendix 5. Interview schedule used in the survey.

**SOCIOECONOMIC AND INSTITUTIONAL FACTORS INFLUENCING  
RICE PRODUCTION PRACTICES IN LOW COUNTRY DRY  
ZONE OF SRI LANKA**

Name of the interviewer:.....

Name of the respondent:.....

Address:.....

Date of interview:.....

**GENERAL INFORMATION ABOUT THE FARMER**

1. 1.Male 2.Female

2. Farmer and his family members' age, education and involvement in farming activities.

Relationship	Age (years)	Education*	Farming type**	Involvement in farm decision making***
Head				
Wife				
Son1				
Son2				
Son3				
Daughter1				
Daughter2				
Daughter3				
Other1				
Other2				

\* 0-12 according to grade; 13 other (Diploma/degree)

\*\* 1. Full-time 2. Part-time 3. Not involved

\*\*\* 1. Yes 2. Some times 3. No

3. Social participation of the farmer:

Organization	Position	Period

4. Purpose of cultivating paddy. 1.For selling  
2.For own consumption  
3.For both

5. How many years are you engaged in rice farming? .....

6. What is the extent of your farm? Highland. ....Acres  
Lowland.....acres

## 7. Paddy cultivation

	Extent (Ac)	Yield (Bu/Ac)	Selling price (Rs)
2003/2004 <i>maha</i>			
2004 <i>yala</i>			

8. What is your tenurial status with respect to lowland?

1. Owner                      3. Lease out                      5. Part owner                      7. Other  
2. Lease in                      4. Tenant                      6. Encroacher

9. (a) How do you get water for paddy cultivation?

1. Irrigation canal                      2003/2004 *maha*.....  
2. Rain                      2004 *yala*.....  
3. Both

(b) Do you face water scarcity for paddy cultivation?

1. Yes                      2003/2004 *maha*.....  
2. Sometimes                      2004 *yala*.....  
3. No

10. Distance to paddy field from farmhouse. ....Km

11. Distance to nearest town from farmhouse. .... Km

## 12. Wealth

Item	Acreage/Number	Present value (Rs)
Land-Lowland		
-Highland		
Machinery-4 wheel tractor		
-Trailer		
-2 wheel tractor		
-Sprayer		
-Weeder		
-Thresher		
-Transplanter		
-Water pump		
-Other		
Livestock-Draft		
-Milk		
-Goat		
-Poultry		
-Buffalo		
Foot cycle		
Motor cycle		
Other vehicle		

## 13. Income (Rs) (Discuss this question at the end of the interview)

Item	2003/2004 <i>maha</i>	2004 <i>yala</i>	Total
Lowland			
Highland			
Hiring out-4w tractor			
-2w tractor			
-Sprayer			
-Weeder			
-Thresher			
-Transplanter			
-Other			
Livestock-draft			
-Milk			
-Goat			
-Poultry			
-Buffalo			
Mortgage and rent out			
Occupation			
Non agricultural enterprises			
Subsidies and other			

14.(a) Did you obtain credit for last season?

(b) If yes, how much credits have you obtained and by what means?

	2003/4 <i>maha</i>	2004 <i>yala</i>
Bank		
Farmer organization		
Relative/Neighbor		
Village lender		
Land owner		
Paddy buyer on promise to sell paddy		

## ADOPTION OF RECOMMENDED RICE FARM PRACTICES

15. (a) When did you establish your field?

With *yaya* farmers 2003/2004 *maha*.....Earlier to *yaya* farmers 2004 *yala*.....After *yaya* farmers(b) If with *yaya* farmers, area adopted? 2003/2004 *maha*.....2004 *yala*.....(c) If not with *yaya* farmers, why?



16. (a) How did you prepare the paddy land?

1. Deep plough + harrow + level                      2003/2004 *maha*.....
2. Harrow + level    2004 *yala*.....

(b) If deep ploughed, area covered? 2003/2004 *maha*.....2004 *yala*.....

(c) If harrow only, why?

17. (a) Did you apply straw to the field during land preparation?

1. Yes    2003/2004 *maha*.....
2. No    2004 *yala*.....

(b) If yes, area covered and how much per acre?

	Area (Ac)	Amount (Total or Portion)
2003/2004 <i>maha</i>		
2004 <i>yala</i>		

(c) If not why?

18. (a) Did you apply green manure to the field during land preparation?

1. Yes    2003/2004 *maha*.....
2. No    2004 *yala*.....

(b) If yes, area covered and how much per acre?

	Area (Ac)	Amount (bundles)
2003/2004 <i>maha</i>		
2004 <i>yala</i>		

(c) If not why?

19. (a) Did you apply farm manure (cow dung, poultry manure etc.) to the field during land preparation?

1. Yes    2003/2004 *maha*.....
2. No    2004 *yala*.....

(b) If yes, area covered and how much per acre?

	Area (Ac)	Amount (Kg)
2003/2004 <i>maha</i>		
2004 <i>yala</i>		

(c) If not why?

20. (a) Did you applied charcoaled rice husk?

1. Yes    2003/2004 *maha*.....
2. No    2004 *yala*.....

(b) If yes, area covered and how much per acre?

	Area (Ac)	Amount (Kg)
2003/2004 <i>maha</i>		
2004 <i>yala</i>		

21. (a) What sort of inorganic fertilizer you used?

1. Unmixed 2003/2004 *maha*.....
2. Mixed 2004 *yala*.....

(b) If mixed, why?

(c) If unmixed fertilizer, what, when and how much applied?

	Type	Amount	Stage
Basal Dressing			
1 <sup>st</sup> top dressing			
2 <sup>nd</sup> top dressing			
3 <sup>rd</sup> top dressing			

(d) If amount is more/less, why?

(e) If stage is incorrect, why?

22. (a) Did you apply weedicides?

1. Applied 2003/2004 *maha*.....
2. Not applied 2004 *yala*.....

(b) If applied,

Weed problem	Type of weedicide used	No. of applications	Amount applied	Stage applied	Whether mixed or not

(c) If not applied, why?

1. Non chemical methods were successful
2. Expensive
3. No weed problem

23. (a) How did you establish your field?

1. Broadcasting 2003/2004 *maha*.....
2. Random transplanting 2004 *yala*.....
3. Row transplanting

(b) If broadcast, how much seed paddy you used (Bu/Ac)?

(c) If transplanted, what is the spacing (cm)?

24. (a) How did you find seed paddy?

1. Self produced 2003/2004 *maha*.....
2. Borrowed 2004 *yala*.....
3. Bought from neighbor/friend
4. Bought from ASC/company

- (b) What are the varieties used? 2003/2004 *maha*.....  
2004 *yala*.....  
(BG379-2,BG403,BG358,BG357,BG352,BG300,Don't know)

(d) If not improved varieties, why?

25. (a) Did you apply insecticides?  
1. Yes 2003/2004 *maha*.....  
2. No 2004 *yala*.....

(b) If yes, give details.

Insect	Type of Insecticide	Amount used

(c) If IPM is used, what are the methods?

26. (a) Did you use ground cover material when threshing?  
1. Yes 2003/2004 *maha*.....2004 *yala*.....  
2. No

(b) If yes, why?

(c) If no, why?

#### EXTENSION CONTACTS

27. Interpersonal/Group contacts

	1.Yes 2.No	No. of attendance/ programs	Time spent/ class
Classes attended (last 2 years)			
1.Farming locality			
2.Out side farming locality			
Office visit by farmers/season			
Farm visit by officer/season			
Field exercise/demonstrations participated (last 2 years)			
Field days attended (last 2 years)			

28. Radio

a) Do you listen to the radio? 1. Yes 2. Sometimes 3. No

b) If so, do you listen to agriculture programs on radio? 1. Yes 2. Sometimes 3. No

c) If so, what are the programs? 1.....

2.....

3.....

## 29. News papers

a) Do you read newspapers? 1. Yes 2. Sometimes 3. No

b) If so what papers do you read? 1.....

2.....

3.....

c) Do you read agriculture articles in newspapers? 1. Yes 2. Sometimes 3. No

d) If so, what are the articles? 1.....

2.....

3.....

## 30. Television

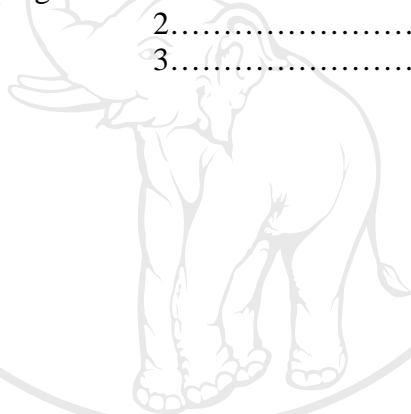
a) Do you watch TV? 1. Yes 2. Sometimes 3. No

b) If so, do you watch agriculture programs on TV? 1. Yes 2. Sometimes 3. No

c) If so, what are the programs? 1.....

2.....

3.....



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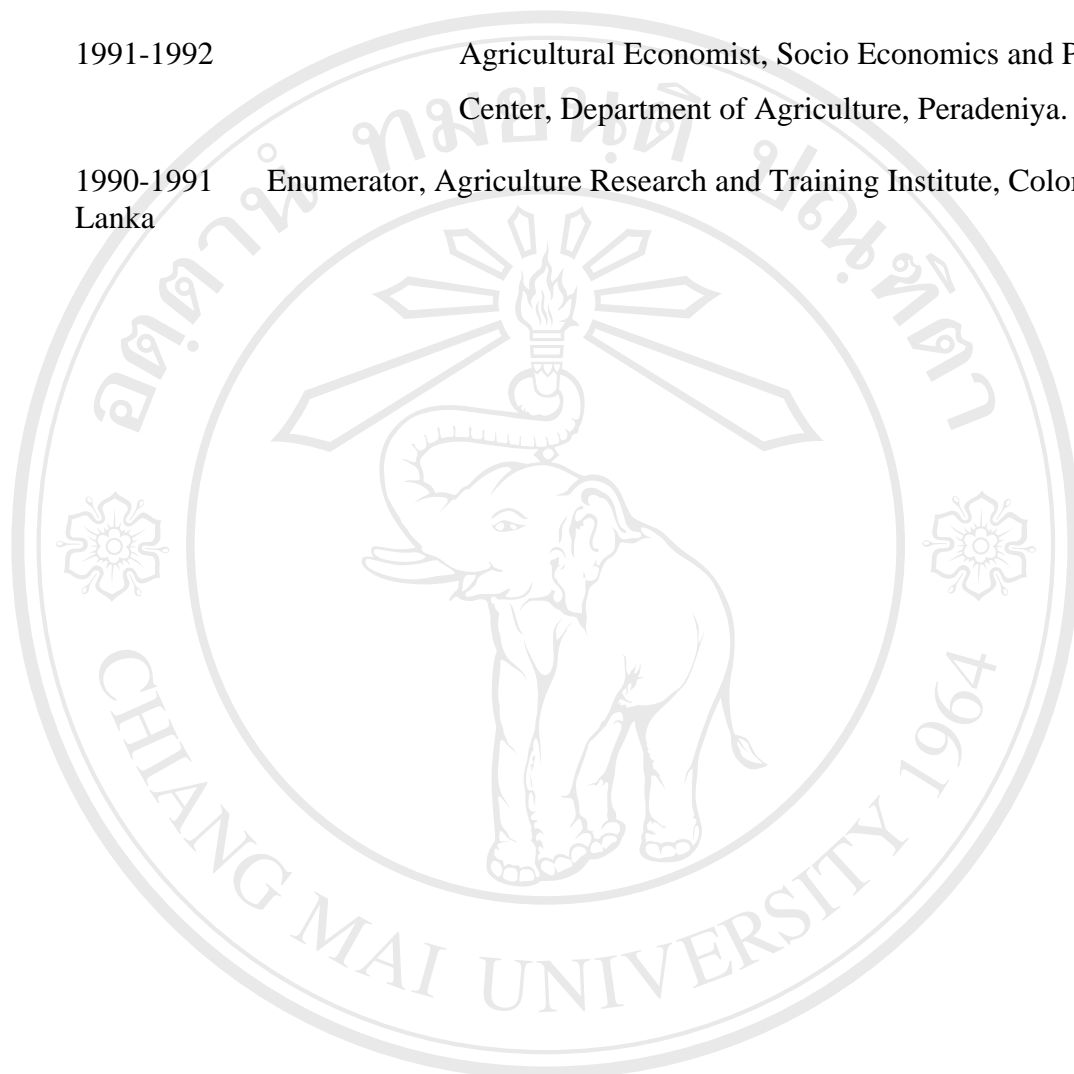
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