



RWANDA PRESENTATION

RICE MECHANIZATION STATUS



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PRESENTATION OUTLINE

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- II. WHO IS PROMOTING MECHANIZATION ?**
- III. RWANDA GOVERNMENT MECHANIZATION
ACHIEVEMENTS AND CHALLENGES**
- IV. DEVELOPMENT PARTNERS ACHIEVEMENTS**
- V. PRIVATE SECTOR**
- VI. CONCLUSION**



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I. INTRODUCTION

RICE PRODUCTION TARGETS

- RICE IS CULTIVATED UNDER IRRIGATION CONDITIONS .

- TARGETS:

YEAR	AREA	PRODUCTION	RATE
2010:	6838 HA	70680 T	5.8 T/HA
2013:	13500HA	141750T	6.0 T/HA
2018:	26000 HA	364000 T	7.0T/HA

RICE PRODUCTION LANDSCAPES





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II. WHO IS PROMOTING MECHANIZATION

PUBLIC SECTOR SIDE:

- TASKFORCE OF IRRIGATION AND MECHANIZATION/MINAGRI(since 2009)
- RWANDA AGRICULTURE BOARD/MINAGRI

DEVELOPMENT PARTNERS SIDE: JICA,USAID ,.....

PRIVATE SECTOR:

- LOCAL MANUFACTURERS
- INTERNATIONAL COMPANIES:
TYM(KOREA),WEY-INVEST(SLOVAKIA),BRAZAFRIC,.....



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III. GOVERNMENT 'S ACHIEVEMENTS

- Establishment of a tractor service workshop at Kabuye (Kigali)
- Establishment of a tractor selling service to farmers and other private operators
- Establishing an organized hiring system of farm machinery to farmers
- Training on operation and maintenance of tractors and power tillers
- Marketing through various communications channels
- Roll out the program through setting-up of VMSCs
 - So far 9 village mechanization service centers are established (Bugesera, Kirehe, Ngoma, Nyagatare, Gatsibo, Nyanza, Gicumbi & Kabuye)



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To ensure access to farm machinery

#	Location of village mechanization service centers (VMSCs)	Land tilled (ha)	Observations
1	Bugesera	76.3	Work is still going on for more than 80 ha
2	Kirehe	41	--
3	Ngoma	20	--
4	Nyanza	41	--



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To ensure access to farm machinery

5	Gatsibo	59.5	Work is still going
6	Nyagatare	510	Work is still going on for more than 1,000 ha in Muvumba
7	Kabuye Workshop	226	Work is still going on
	Total area covered, by October 2011	979	
	Target	1500 ha	



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To ensure access to farm Machinery: purchasing & selling machines



- Total purchased power tillers: 250
- PT sold to farmers: 58
- PT located in VMSCs: 48
- Total power PT remaining for sell: 144



- Total tractors imported so far: 50
- Tractors sold to farmers: 14
- Tractors in hiring & selling systems: 36



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NEW RICE FIELD PREPARATIONS



PADDY FIELD PREPARATION AND RICE TRANSPLANTING





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Key implementation challenges

- Low rate of buying machines by individual farmers or farmer's organizations
- Land conditions: most of people hiring machines have virgin and very hard lands
- Very high demand of tractor hire in short period (most of farmers want to hire machines at the same time- pick of season)
- Logistics issues due to small landholding:
 - High operation costs due to frequent movement of machines
 - Close follow-up of operators across the country is very demanding



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DEVELOPMENT PARTNERS ACHIEVEMENTS

JICA:

- **PROVIDE TRAINING OPPORTUNITIES (IN COUNTRY & IN JAPAN)**
- **FABRICATION OF SMALL SCALE RICE POST HARVEST HANDLING MACHINERY**
- **TRACTOR OPERATION AND MAINTENANCE**
- **PROVISION OF MECHANIZATION EXPERT (IN PROCESS)**

USAID:

- **DONATION OF SMALL SCALE RICE POST HARVEST HANDLING MACHINERY TO RICE COOPERATIVES**



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IV. DEVELOPMENT PARTNERS ACHIEVEMENTS (practical trainings)



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DEVELOPMENT PARTNERS ACHIEVEMENTS(threshers and engines services)





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DEVELOPMENT PARTNERS ACHIEVEMENTS (tractor and power tillers operations)



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V. PRIVATE SECTOR

Private Enterprises contribute to the government mechanization efforts by rendering hire services of machineries , sales and services of machines.

Financial units (BRD, BPR, VFC,.....) – render access to financial services for purchasing machineries through various financial products.



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VI. CONCLUSION

Through mechanization continuous efforts, the (NRDS) National Rice Development Strategies will lead :

- **To achieve self – sufficiency in rice production by 2018,**
- **To substantially raise competitiveness of Rwanda rice in local and regional markets.**
- **To raise the productivity level from 5.8t/Ha to 7.0t/Ha ,**
- **To expand the area under cultivation from 6,838 Ha to 26 000 Ha by 2018.**



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**THANK YOU FOR
YOUR ATTENTION**