



REPUBLIC OF CAMEROON

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Report by FIESHI JULIUS, Coordinator of SRI COOPBOD Group, Ndop, Cameroon, seen here with SRI fields

REPORT ON HARVEST EVALUATIONS FOR TWO FARMERS IN NDOP, CAMEROON, JANUARY 1, 2015

I found it very interesting working with Brunhilda Faminyi, a lower VIth student who is very ambitious in learning and using SRI. On the next page is shown how she progressed in her activities after receiving instruction on SRI methods from Mr. Julius Fieshi, starting with a small amount of seeds (200g), nursery containers all at home, the seedlings transported from nursery and transplanted on the 13th day after emergence, weeding, fertilizer application, harvesting, and transportation to warehouse.



Brunhilda told me that on her arrival to her demonstration farm every day, a group of farmers would be gathered around her farm, very surprised to see the plant growth and budding yield. She shared much information about this farming method with many farmers. When she came to her field after her classes in school concluded yesterday at 3:00pm upon arriving at her farm there were four farmers standing around, admiring the crop. She was assisted by these farmers in her harvesting of the crop, which took about an hour and 30 minutes. Her harvest results are shown on the next page, compared with those off her neighbor, Mme. Christina Pongwoh who used conventional rice-growing methods and the same variety of seed. For comparing plant characteristics, four plants were sampled at random from each field.

Harvest square (1m²)

Square	No. of plants / m ²	Grain moisture (%)	Fresh weight (g)
S1	16		0.610
S2	16		0.610
S3	16		0.610
S4	16		0.610
AVE.	16		0.610??

Square	No. of plants / m ²	Grain moisture (%)	Fresh weight (g)
S1	22		0.205
S2	20		0.205
S3	20		0.205
S4	18		0.205
Average	20		0.205??

Total kg harvested is divided by the total area to have the average fresh weights of the two plots

Harvest of entire plot

	length (m)	width (m)	Area 135 m ²
Plot size	15	9	
Weight (kg)	83		
Grain moisture %			

	length (m)	width (m)	Area
Plot size	20	10	200 m ²
Weight (kg)	41		
Grain moisture %			

Inputs	Price per unit	SRI		CONVENTIONAL		SRI		CONVENTIONAL	
		Amount used (unit)/unit area *	Costs/unit area*	Amount used (unit)/unit area *	Costs/unit area*	Amount used (unit)/ha	Costs/ha	Amount used (unit)/ha	Costs/ha
Seed		200g	200frs	5kg	750	15kg	15,000	250kg	187,500
Organic matter									
Fertilizer type: Irrigation cost		3kg	1500	5kg	1800	222kg	111,000	250kg	90,000

Pesticides									
Scaring									
Other:									
Other:									
TOTAL Input costs			1,700		2,550		126,000		277,500

LABOUR COST EVALUATION calculation for SRI and Conventional Rice Fields

SRI= 135m² CONVENTIONAL = 200m²

		SRI					
			1	2		(1+2) = 3	Calculate
Practices		Number (#) Man Day (MD)	# MD x cost **	Additional/ other costs *	* Specified	Total cost/unit	Total cost/ha
Land preparation							
	Land clearing	1/4	500	/		500	37,000
	Spreading of organic matter						
	Plowing						
	Bunding of fields						
	Puddling	1/4	500	/		500	37,000

	Leveling						
	Other:						
Nursery							
	Create nursery		100			100	740
	Sowing the seeds		50			50	370
	Watering/nursery management		100			100	740
	Others						
Transplanting							
	Uprooting of seedlings		50			50	370
	Transportation of seedlings		100			100	740
	Transplanting of seedlings	2/5	800	/		800	59,000
	Other:						
Weeding							
	Hand weeding	1/2	1000			1000	74,000
	Weeder use						
	Herbicide application						
	Other:						
Pesticide							
	Time for pesticide application						
	Other:						
Fertilizer							
	Time for fertilizer application		200			200	15,000
	Other:						
Water management							
	Time used for irrigation/water mgt		100			100	740
	Other:						

Harvest							
	Harvesting	1/4	500	/		500	37,000
	Transportation		300			300	15,000
	Threshing	1/4	500	/		500	37,000
	Other:						
Other							
Total							314,700

		CONVENTIONAL					
			1	2		(1+2) = 3	Calculate
Practices		Number (#) Man Day (MD)	# MD x cost **	Additional/ other costs *	* Specified	Total cost/unit	Total cost/ha
Land preparation							
	Land clearing	1/4	500	/		500	37,000
	Spreading of organic matter						
	Plowing						
	Bunding of fields						
	Puddling	1/4	500	/		500	37,000
	Leveling						
	Other:						
Nursery							
	Create nursery		300			300	15,000
	Sowing the seeds		50			50	370

Watering/nursery management		100			100	740
Others						
Transplanting						
Uprooting of seedlings		50			50	370
Transportation of seedlings		100			100	740
Transplanting of seedlings		1500	/		1500	75,000
Other:						
Weeding						
Hand weeding	1	2000			2000	148,000
Weeder use						
Herbicide application						
Other:						
Pesticide						
Time for pesticide application						
Other:						
Fertilizer						
Time for fertilizer application		200			200	15,000
Other:						
Water management						
Time used for irrigation/water mgt		100			100	740
Other:						
Harvest						
Harvesting	1/2	1000	/		1000	74,000
Transportation		300			300	15,000
Threshing	1/2	1000	/		1000	74,000
Other:						
Other						

Total							492.960
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Calculated from Tables 1-3 (highlighted cells)		SRI	Conventional
Total Revenue (kg paddy x price)	from table 1	737,760	246,000
Total Labor Costs	from table 2	314,700	492.960
Total Input Costs	from table 3	126,000	277,500
Benefit, i.e., (revenue - cost of labor and inputs)	(currency/ha)	Cost of labour & inputs = 440,700	Cost of labour & inputs = 770,460
TOTALS (Benefit)		297,060	-524,460

IN CONCLUSION, Mme. Christina felt very discouraged with the conventional method, saying that she has been “laboring in vain every year, and that is why she is never improving at all her life in the rice farm” while on the other hand, Brunhilda is very excited with SRI method saying “Thank you, Mr. Julius, for this initiative”