

SRI Test Planting at MRC and farmer locations in Northern Thailand (season 2001)

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General problems: unsuitable locations and probably lack of skill to carry out correct water management.

Location	McKean Rehabilitation Center, Chiang Mai
Area	Ca 400 sqm
Planting date	12-13/7/ 44
Variety	“Prarachatarn”
Age of seedlings	12-13 days
Amount of seed	900 grams
Seedbed	Water seedbed like vegetable garden, 1 x 2 m Flood for soil preparation – pre-germination sok in neem solution – broadcast and cover with leaves – 1/7/01 on 8/7/01 rainfall , on 12/7/01 transplanting
Diseases/ pest	Rust, gall midge, birds, mice
Tillering	10 dap, stronger plants developed 3-5 good tillers and weaker plants 2-3 tillers. After 1 month, 15-20 tillers It was observed that more tillers developed with increasing age of plants
Irrigation	For planting, drain water off; small patches are slightly covered with water. 10 d after planting, water in for 2-3 days and repeat several times – test paddy was formerly vegetable garden and does not hold water well. After panicles begin to form, pump water almost every day and occasionally let dry out.
Weeding	After 1 st draining observe increase growth of weeds. 2 x weeding – 1 month and once more after 1 week.
Yield components	Per panicle 410–420 filled grains, 50-60 empty grains 90 % filled grains, 10 % empty grains
Yield	400 sq m 13 kg x 4 = 468 kg/rai x 6.25 = 2,925 / ha

Location	Mr. Nuan Tawong, Huay Pa Por Village, Viang Pa Pao
Area	400 sq m
Date of planting	18/6/44
Variety	Gor Khor 20
Age of seedlings	12 days
Quantity of seed	250 gm
Disease/insects	Rust, rice gall midge
Tillering	10 dap, stronger plants developed 3-5 good tillers and weaker plants 2-3 tillers. After 1 month 15-20 tillers It was observed that more tillers developed with increasing age of plants
Water management	Not possible to drain, there is always water until harvest.
Weeding	1 st time at 10 dap, 2 nd time after 1 month. Pulling weeds and leave in paddy for mulch
Yield components	15 hills/sq m , 160-190 panicles /sq m 170-180 grains per panicle 150-170 filled grains, 20-30 empty grains; ca 80% ratio
Yield	400 sq m/18 baskets x 9 kg = 162 x 4 = 648 kg/rai x 6.25 = 4.050 kg/ha

Location	Farmer : David Khid-arn, Ban Mae-Lao, Phan District, Chiang Rai	
Area	400 sqm	
Date of planting	19/6/44	
Variety	Horm Malee	
Age of seedling	12 days	
Quantity of seeds	675 grams	
Diseases/insects	Rust, rice gall midge	
Tillering	After 1 month 15-30 tillers, average 20 tillers. It was observed that more tillers developed with increasing age of plants	

Water management	Regular draining of water, however the soil did not crack because there was always a slight cover. When panicles began to form, water was not drained off any more	
Weeding	Weeding was carried out 3 times, on 26/6, 4/7, 25/7	
Yield components	per sq m 16 hills - 224 panicles 170-220 grain/panicle 150-170 filled grain/panicle (73%), 25-30 empty grains/panicle (17%)	
Yield	400 sq m 13 kg x4 = 468 kg/rai x 6.25 = 2,925/ha	