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

Records by Sombat Chalermliangthong, translated by Klaus Prinz

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

<table>
<thead>
<tr>
<th>Location</th>
<th>McKean Rehabilitation Center, Chiang Mai</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area</td>
<td>Ca 400 sqm</td>
</tr>
<tr>
<td>Planting date</td>
<td>12-13/7/44</td>
</tr>
<tr>
<td>Variety</td>
<td>&quot;Prarachatarn&quot;</td>
</tr>
<tr>
<td>Age of seedlings</td>
<td>12-13 days</td>
</tr>
<tr>
<td>Amount of seed</td>
<td>900 grams</td>
</tr>
<tr>
<td>Seedbed</td>
<td>Water seedbed like vegetable garden, 1 x 2 m</td>
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<tr>
<td></td>
<td>Flood for soil preparation – pre-germination soak in neem solution – broadcast and cover with leaves – 1/7/01</td>
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<tr>
<td></td>
<td>on 8/7/01 rainfall, on 12/7/01 transplanting</td>
</tr>
<tr>
<td>Diseases/pest</td>
<td>Rust, gall midge, birds, mice</td>
</tr>
<tr>
<td>Tillering</td>
<td>10 dap, stronger plants developed 3-5 good tillers and weaker plants 2-3 tillers. After 1 month, 15-20 tillers</td>
</tr>
<tr>
<td></td>
<td>It was observed that more tillers developed with increasing age of plants</td>
</tr>
<tr>
<td>Irrigation</td>
<td>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.</td>
</tr>
<tr>
<td>Weeding</td>
<td>After 1st draining observe increase growth of weeds. 2 x weeding – 1 month and once more after 1 week.</td>
</tr>
<tr>
<td>Yield components</td>
<td>Per panicle 410–420 filled grains, 50-60 empty grains</td>
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<td>90 % filled grains, 10 % empty grains</td>
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<tr>
<td>Yield</td>
<td>400 sq m 13 kg x 4 = 468 kg/rai x 6.25 = 2,925 / ha</td>
</tr>
<tr>
<td>Location</td>
<td>Mr. Nuan Tawong, Huay Pa Por Village, Viang Pa Pao</td>
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<td>--------------</td>
<td>---------------------------------------------------</td>
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<tr>
<td>Area</td>
<td>400 sq m</td>
</tr>
<tr>
<td>Date of planting</td>
<td>18/6/44</td>
</tr>
<tr>
<td>Variety</td>
<td>Gor Khor 20</td>
</tr>
<tr>
<td>Age of seedlings</td>
<td>12 days</td>
</tr>
<tr>
<td>Quantity of seed</td>
<td>250 gm</td>
</tr>
<tr>
<td>Disease/insects</td>
<td>Rust, rice gall midge</td>
</tr>
<tr>
<td>Tillering</td>
<td>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</td>
</tr>
<tr>
<td>Water management</td>
<td>Not possible to drain, there is always water until harvest.</td>
</tr>
<tr>
<td>Weeding</td>
<td>1st time at 10 dap, 2nd time after 1 month. Pulling weeds and leave in paddy for mulch</td>
</tr>
<tr>
<td>Yield components</td>
<td>15 hills/sq m, 160-190 panicles /sq m</td>
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<tr>
<td></td>
<td>170-180 grains per panicle</td>
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<td></td>
<td>150-170 filled grains, 20-30 empty grains; ca 80% ratio</td>
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<tr>
<td>Yield</td>
<td>400 sq m/18 baskets x 9 kg = 162 x 4 = 648 kg/rai x 6.25 = 4.050 kg/ha</td>
</tr>
<tr>
<td>Location</td>
<td>Farmer: David Khid-arn, Ban Mae-Lao, Phan District, Chiang Rai</td>
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<td>----------------------------------------------------------------</td>
</tr>
<tr>
<td>Area</td>
<td>400 sqm</td>
</tr>
<tr>
<td>Date of planting</td>
<td>19/6/44</td>
</tr>
<tr>
<td>Variety</td>
<td>Horm Malee</td>
</tr>
<tr>
<td>Age of seedling</td>
<td>12 days</td>
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<tr>
<td>Quantity of seeds</td>
<td>675 grams</td>
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<tr>
<td>Diseases/insects</td>
<td>Rust, rice gall midge</td>
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<tr>
<td>Tillering</td>
<td>After 1 month 15-30 tillers, average 20 tillers. It was observed that more tillers developed with increasing age of plants</td>
</tr>
<tr>
<td>Water management</td>
<td>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</td>
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<tr>
<td>Weeding</td>
<td>Weeding was carried out 3 times, on 26/6, 4/7, 25/7</td>
</tr>
</tbody>
</table>
| 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 x 4 = 468 kg/rai x 6.25 = 2,925/ha                                                                                                                                 |