

**Table 1: YIELD DATA (t/ha) FROM TREATMENTS EVALUATED by SUNSARI-MORANG FARMER FIELD SCHOOLS, Monsoon 2003**

**Variety used: Mansuli in all plots except those evaluating differences in varietal performance**

Experimental Variables	Locations													
	T3	T3-1	T3-2	T3-3	T3-4	T2	T2-1	T2-4	T2-5	T5	T5-2	T5-3	T5-4	Average
<b>A. Method of Cultivation</b>														
a. Farmers' practice	4.65	3.60	3.00	5.22	4.00	4.50	4.40	4.00	4.50	4.00	4.50	3.75	4.50	<b>4.20</b>
b. Improved practice	6.51	6.35	6.00	6.75	6.65	7.20	5.50	6.00	6.00	6.00	5.50	5.75	6.50	<b>6.21</b>
c. SRI methods														
c.1. 10-day-old seedlings + manual weeding	9.30	8.55	7.50	9.45	9.00	8.80	7.50	7.90	7.50	11.00	7.75	7.50	8.50	<b>8.48</b>
c.2. 10-day-old seedlings + use of weedicide	7.00	4.50	3.75	6.75	5.50	7.00	4.50	7.20	4.50	8.00	7.25	7.00	8.50	<b>6.27</b>
c.3. 21-day-old seedlings + manual weeding	7.91	5.00	4.35	6.75	6.75	5.75	7.50	6.50	7.50	7.80	7.00	7.25	7.50	<b>6.74</b>
<b>B. Water Management</b>														
a. 10 cm ponding depth at 1-week interval	7.42	5.75	3.50	6.30	7.20	5.60	4.50	6.50	4.50	6.00	6.00	5.00	5.50	<b>5.67</b>
b. 10 cm ponding depth at 2-week intervals	7.65	5.50	4.25	6.30	7.50	4.50	4.75	4.75	4.75	7.00	5.25	4.75	6.50	<b>5.65</b>
c. 5 cm ponding depth at 1-week interval	8.87	6.00	3.70	7.20	7.75	6.00	6.00	6.50	6.00	5.00	5.00	4.00	5.50	<b>5.96</b>
d. 5 cm ponding depth at 2-week intervals	7.42	6.25	4.75	6.75	7.50	5.75	6.50	7.00	6.50	5.00	5.00	5.00	5.25	<b>6.05</b>
e. Saturation at 1-week interval	6.72	5.75	3.50	5.85	6.00	6.00	6.00	6.00	6.00	5.00	4.50	5.25	6.00	<b>5.58</b>
f. Saturation at 2-week intervals	7.42	6.50	4.00	6.30	6.50	6.35	6.25	4.00	6.25	5.00	4.75	5.50	6.00	<b>5.76</b>
g. Rainfed	3.82	2.50	3.00	4.50	3.75	5.25	4.50	3.50	4.50	4.20	4.00	4.50	4.75	<b>4.06</b>
<b>C. Varietal Performance</b>														
a. Mansuli	7.20	6.75	4.50	7.20	5.75	7.00	4.50	4.50	4.50	6.20	6.25	4.75	6.00	<b>5.78</b>
b. Kanchhi Mansuli	6.75	6.00	5.00	6.75	6.00	7.00	4.00	4.00	4.00	5.00	5.25	5.25	6.00	<b>5.46</b>
c. Radha-12	7.47	7.70	7.00	7.83	7.50	8.00	6.80	6.90	6.80	6.90	7.00	5.50	6.80	<b>7.09</b>
d. Lokanath Hybrid	3.15	5.50	5.00	4.50	3.00	4.60	6.40	6.50	6.50	5.00	5.50	4.50	4.75	<b>4.99</b>
e. Sufla	7.56	7.00	6.50	7.38	6.50	5.50	7.00	7.20	7.10	5.50	3.50	5.50	5.50	<b>6.29</b>
f. 4 BPI-3-2	7.65	6.25	5.00	7.20	5.75	5.00	6.00	6.00	6.00	6.20	6.25	6.00	6.00	<b>6.10</b>
<b>D. No. of Seedlings per Hill</b>														
a. 1 seedling	7.47	7.75	3.50	7.65	7.00	6.75	7.10	6.50	6.80	6.50	6.00	4.50	6.00	<b>6.42</b>
b. 2 seedlings	7.11	7.00	4.50	7.20	7.25	6.50	6.30	5.50	5.40	6.00	5.00	5.00	5.75	<b>6.04</b>
c. 3 seedlings	7.11	6.50	3.30	7.20	7.00	7.50	6.00	6.20	5.80	5.50	5.25	5.50	5.75	<b>6.05</b>
d. 4 seedlings	6.88	6.00	3.00	6.30	6.00	7.50	5.50	4.50	4.40	5.00	5.50	4.50	5.50	<b>5.43</b>
e. 5 seedlings	6.66	5.50	3.50	6.30	5.25	6.00	5.00	4.00	4.20	5.00	4.50	4.50	5.25	<b>5.05</b>
f. 6 seedlings	5.94	5.00	3.00	5.85	5.00	6.25	4.50	4.00	3.80	4.70	4.50	4.25	5.00	<b>4.75</b>
g. 7 seedlings	4.86	5.00	3.50	5.30	4.75	5.60	4.00	3.70	4.00	4.50	4.25	4.50	5.00	<b>4.54</b>
h. 8 seedlings	4.18	4.00	2.50	5.30	4.25	5.00	4.00	3.60	3.80	4.30	4.30	4.20	4.75	<b>4.17</b>



**Table: Data on Characteristics from Different Cultivation Methods, Sunsari-Morang Irrigation System, Nepal, Monsoon Season, 2003**

1 = Improved practices

2 = Farmers' practices

3 = SRI practices

Variety: Mansuli

Locations	Plant height (cm)			No. of productive tillers			Length of panicle (cm)			No. of grains per panicle			1000-grain weight (gm)		
	IP	FP	SRI	IP	FP	SRI	IP	FP	SRI	IP	FP	SRI	IP	FP	SRI
T3	161	130	140	15	8	25	25	17	28	240	197	230	20	22	23
T3-1	155	121	137	17	10	19	27	24	30	261	219	248	19	20	21
T3-2	121	114	133	11	12	15	22	21	24	209	207	235	18	20	22
T3-3	155	129	151	15	12	21	25	24	31	173	130	147	18	19	24
T3-4	135	94	153	11	14	21	22	17	30	168	55	186	17	18	23
T2	121	87	111	14	10	31	23	19	24	156	90	197	19	19	19
T2-1	127	125	131	14	10	22	20	18	22	129	112	172	20	19	23
T2-4	125	130	124	12	11	9	22	20	19	129	120	185	20	15	23
T2-5	138	111	147	12	9	24	20	19	22	175	172	193	17	16	18
T5	139	129	132	13	10	14	23	20	23	186	110	158	20	19	22
T5-2	129	127	122	12	11	12	21	21	21	137	116	144	20	20	24
T5-3	134	114	124	12	10	12	22	18	22	167	106	151	19	18	22
T5-4	135	116	153	14	10	23	22	20	24	189	111	205	20	20	21
<b>Average</b>	<b>136.54</b>	<b>117.46</b>	<b>135.23</b>	<b>13.23</b>	<b>10.54</b>	<b>19.08</b>	<b>22.62</b>	<b>19.85</b>	<b>24.62</b>	<b>178.38</b>	<b>134.23</b>	<b>188.54</b>	<b>19.00</b>	<b>18.85</b>	<b>21.92</b>

Yield (t/ha)		
IP	FP	SRI
6.51	4.65	9.30
6.35	3.60	8.55
6.00	3.00	7.50
6.75	5.22	9.45
6.65	4.00	9.00
7.20	4.50	8.80
5.50	4.40	7.50
6.00	4.00	7.90
6.00	4.50	7.50
6.00	4.00	11.00
5.50	4.50	7.75
5.75	3.75	7.50
6.50	4.50	8.50
<b>6.21</b>	<b>4.20</b>	<b>8.48</b>