

**ICAR-INDIAN INSTITUTE OF RICE RESEARCH  
Hyderabad-500 030**

**Initial Hybrid Rice Trial – Early (IHRT-E), *Kharif 2020***

Entries	:	22 (18 Hybrids + 4 Checks)
Layout/Design	:	R.B.D.
Replications	:	3 (Three)
Spacing	:	15 cm x 15 cm
Fertilizer	:	As for HYV in the area. Do apply FYM @ 10 t/ha. Apply entire P & K and ½ N as basal dose and the remaining Nitrogen in equal doses at maximum tillering and booting. Apply 5% N at flowering.
Plot size	:	10 sq. m. (plot size should not be reduced)
Plant protection	:	Need based
General instructions	:	<ol style="list-style-type: none"> <li>1. Raise a thin and healthy nursery.</li> <li>2. Transplant 20-25 day old seedlings.</li> <li>3. Transplant single seedling/hill.</li> <li>4. Gap filling should be done within a week after planting.</li> <li>5. Weeding should be done regularly.</li> </ol>
Data to be recorded	:	<ol style="list-style-type: none"> <li>1. Days to 50% flowering (DFF)</li> <li>2. Plant height (HT)</li> <li>3. Panicles/sq. m. (PAN. No.)</li> <li>4. No. of fertile and sterile spikelets per panicle (SP. No.) (Average of 10 main panicles per entry/rep)</li> <li>5. Spikelet Fertility (SPF %)</li> <li>6. Purity score: (UNI) <ol style="list-style-type: none"> <li>1 = &gt;98% pure</li> <li>2 = 98-96% pure</li> <li>3 = &lt;96% pure</li> </ol> </li> <li>7. No. of completely sterile plants, if any.</li> <li>8. Grain yield (kg/plot)</li> <li>9. Observations on incidence of diseases/pests (DIS&amp;INS)</li> <li>10. Grain type (LS, MS, LB, MB, SS, SB and Fine)</li> </ol>

**Note:**

- 1. Trials should be conducted systematically and a good crop stand should be ensured.**
- 2. Please provide information on date of sowing, date of planting and the names of local check varieties used as soon as the planting is done for releasing funds.**
- 3. Please arrange to send the data positively on a floppy/CD before 31<sup>st</sup> December, 2020.**
- 4. The order of the entries should not be changed in data sheets.**

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**LAYOUT PLAN OF INITIAL HYBRID RICE TRIAL - EARLY  
(IHRT-E), *Kharif* 2020**

<b>Replication-1</b>	<b>Replication-2</b>	<b>Replication-3</b>
101/3003	201/3004	301/3009
102/3007	202/3013	302/3004
103/3018	203/3001	303/3019
104/3001	204/3012	304/3002
105/3015 (LCV)	205/3016	305/3022
106/3014	206/3020	306/3001
107/3008	207/3009	307/3006
108/3017	208/3021	308/3012
109/3011	209/3007	309/3005
110/3021	210/3022	310/3015 (LCV)
111/3005	211/3018	311/3010
112/3020	212/3011	312/3014
113/3004	213/3005	313/3008
114/3012	214/3003	314/3016
115/3022	215/3019	315/3021
116/3010	216/3002	316/3017
117/3013	217/3015 (LCV)	317/3007
118/3009	218/3006	318/3003
119/3002	219/3008	319/3018
120/3016	220/3010	320/3011
121/3019	221/3017	321/3013
122/3006	222/3014	322/3020

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**Initial Hybrid Rice Trial - Mid-early (IHRT-ME), *Kharif 2020***

Entries	:	33 (29 Hybrids + 4 Checks)
Layout/Design	:	R.B.D.
Replications	:	3 (Three)
Spacing	:	15 cm x 15 cm
Fertilizer	:	As for HYV in the area. Do apply FYM @ 10 t/ha. Apply entire P & K and ½ N as basal dose and the remaining Nitrogen in equal doses at maximum tillering and booting. Apply 5% N at flowering.
Plot size	:	10 sq. m. ( plot size should not be reduced)
Plant protection	:	Need based
General instructions	:	<ol style="list-style-type: none"> <li>1. Raise a thin and healthy nursery.</li> <li>2. Transplant 20-25 day old seedlings.</li> <li>3. Transplant single seedling/hill.</li> <li>4. Gap filling should be done within a week after planting.</li> <li>5. Weeding should be done regularly.</li> </ol>
Data to be recorded	:	<ol style="list-style-type: none"> <li>1. Days to 50% flowering (DFF)</li> <li>2. Plant height (HT)</li> <li>3. Panicles/sq. m. (PAN. No.)</li> <li>4. No. of fertile and sterile spikelets per panicle (SP. No.) (Average of 10 main panicles per entry/rep)</li> <li>5. Spikelet Fertility (SPF %)</li> <li>6. Purity score: (UNI) <ol style="list-style-type: none"> <li>1 = &gt;98% pure</li> <li>2 = 98-96% pure</li> <li>3 = &lt;96% pure</li> </ol> </li> <li>7. No. of completely sterile plants, if any.</li> <li>8. Grain yield (kg/plot)</li> <li>9. Observations on incidence of diseases/pests (DIS&amp;INS)</li> <li>10. Grain type (LS, MS, LB, MB, SS, SB and Fine)</li> </ol>

**Note:**

- 1. Trials should be conducted systematically and a good crop stand should be ensured.**
- 2. Please provide information on date of sowing, date of planting and the names of local check varieties used as soon as the planting is done for releasing funds.**
- 3. Please arrange to send the data positively on a floppy/CD before 31<sup>st</sup> December, 2020.**
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**LAYOUT PLAN OF INITIAL HYBRID RICE TRIAL – MID EARLY  
(IHRT-ME), *Kharif* 2020**

<b>Replication-1</b>	<b>Replication-2</b>	<b>Replication-3</b>
101/3108	201/3105	301/3114
102/3110	202/3109	302/3112
103/3120	203/3101	303/3111
104/3101	204/3126	304/3102
105/3128	205/3119	305/3123
106/3114	206/3107	306/3131 (LCV)
107/3124	207/3111	307/3116
108/3117	208/3106	308/3130
109/3121	209/3127	309/3104
110/3115	210/3132	310/3117
111/3126	211/3131 (LCV)	311/3127
112/3122	212/3102	312/3125
113/3105	213/3123	313/3118
114/3123	214/3115	314/3121
115/3102	215/3130	315/3109
116/3113	216/3104	316/3115
117/3132	217/3133	317/3122
118/3103	218/3124	318/3107
119/3125	219/3110	319/3128
120/3129	220/3118	320/3110
121/3131 (LCV)	221/3114	321/3132
122/3106	222/3116	322/3108
123/3111	223/3108	323/3113
124/3133	224/3129	324/3105
125/3130	225/3112	325/3101
126/3107	226/3121	326/3119
127/3119	227/3103	327/3133
128/3104	228/3113	328/3103
129/3112	229/3117	329/3106
130/3116	230/3125	330/3120
131/3109	231/3122	331/3126
132/3127	232/3128	332/3129
133/3118	233/3120	333/3124

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**Initial Hybrid Rice Trial - Medium (IHRT-M), *Kharif 2020***

Entries	:	22 (18 Hybrids + 4 Checks)
Layout/32Design	:	R.B.D.
Replications	:	3 (Three)
Spacing	:	15 cm x 15 cm
Fertilizer	:	As for HYV in the area. Do apply FYM @ 10 t/ha. Apply entire P & K and ½ N as basal dose and the remaining Nitrogen in equal doses at maximum tillering and booting. Apply 5% N at flowering.
Plot size	:	10 sq. m. (plot size should not be reduced)
Plant protection	:	Need based
General instructions	:	<ol style="list-style-type: none"> <li>1. Raise a thin and healthy nursery.</li> <li>2. Transplant 20-25 day old seedlings.</li> <li>3. Transplant single seedling/hill.</li> <li>4. Gap filling should be done within a week after planting.</li> <li>5. Weeding should be done regularly.</li> </ol>
Data to be recorded	:	<ol style="list-style-type: none"> <li>1. Days to 50% flowering (DFP)</li> <li>2. Plant height (HT)</li> <li>3. Panicles/sq. m. (PAN. No.)</li> <li>4. No. of fertile and sterile spikelets per panicle (SP. No.) (Average of 10 main panicles per entry/rep)</li> <li>5. Spikelet Fertility (SPF %)</li> <li>6. Purity score: (UNI) <ol style="list-style-type: none"> <li>1 = &gt;98% pure</li> <li>2 = 98-96% pure</li> <li>3 = &lt;96% pure</li> </ol> </li> <li>7. No. of completely sterile plants, if any.</li> <li>8. Grain yield (kg/plot)</li> <li>9. Observations on incidence of diseases/pests (DIS&amp;INS)</li> <li>10. Grain type (LS, MS, LB, MB, SS, SB and Fine)</li> </ol>

**Note:**

- 1. Trials should be conducted systematically and a good crop stand should be ensured.**
- 2. Please provide information on date of sowing, date of planting and the names of local check varieties used as soon as the planting is done for releasing funds.**
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**LAYOUT PLAN OF INITIAL HYBRID RICE TRIAL - MEDIUM  
(IHRT-M), *Kharif 2020***

<b>Replication-1</b>	<b>Replication-2</b>	<b>Replication-3</b>
101/3212	201/3209	301/3213
102/3204	202/3211	302/3216
103/3213	203/3221	303/3220
104/3218	204/3214	304/3205
105/3208	205/3219	305/3222 (LCV)
106/3214	206/3215	306/3206
107/3219	207/3203	307/3210
108/3211	208/3222 (LCV)	308/3217
109/3221	209/3205	309/3211
110/3205	210/3212	310/3202
111/3201	211/3204	311/3207
112/3215	212/3216	312/3212
113/3217	213/3208	313/3215
114/3203	214/3202	314/3221
115/3222 (LCV)	215/3218	315/3201
116/3207	216/3206	316/3214
117/3210	217/3220	317/3204
118/3202	218/3210	318/3208
119/3206	219/3201	319/3203
120/3220	220/3207	320/3218
121/3216	221/3217	321/3209
122/3209	222/3213	322/3219

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**Initial Hybrid Rice Trial - Medium Slender (IHRT-MS), *Kharif 2020***

Entries	:	14 (09 Hybrids + 5 Checks)
Layout/32Design	:	R.B.D.
Replications	:	3 (Three)
Spacing	:	15 cm x 15 cm
Fertilizer	:	As for HYV in the area. Do apply FYM @ 10 t/ha. Apply entire P & K and ½ N as basal dose and the remaining Nitrogen in equal doses at maximum tillering and booting. Apply 5% N at flowering.
Plot size	:	10 sq. m. (plot size should not be reduced)
Plant protection	:	Need based
General instructions	:	<ol style="list-style-type: none"> <li>1. Raise a thin and healthy nursery.</li> <li>2. Transplant 20-25 day old seedlings.</li> <li>3. Transplant single seedling/hill.</li> <li>4. Gap filling should be done within a week after planting.</li> <li>5. Weeding should be done regularly.</li> </ol>
Data to be recorded	:	<ol style="list-style-type: none"> <li>1. Days to 50% flowering (DFF)</li> <li>2. Plant height (HT)</li> <li>3. Panicles/sq. m. (PAN. No.)</li> <li>4. No. of fertile and sterile spikelets per panicle (SP. No.) (Average of 10 main panicles per entry/rep)</li> <li>5. Spikelet Fertility (SPF %)</li> <li>6. Purity score: (UNI) <ol style="list-style-type: none"> <li>1 = &gt;98% pure</li> <li>2 = 98-96% pure</li> <li>3 = &lt;96% pure</li> </ol> </li> <li>7. No. of completely sterile plants, if any.</li> <li>8. Grain yield (kg/plot)</li> <li>9. Observations on incidence of diseases/pests (DIS&amp;INS)</li> <li>10. Grain type (LS, MS, LB, MB, SS, SB and Fine)</li> </ol>

**Note:**

- 1. Trials should be conducted systematically and a good crop stand should be ensured.**
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**LAYOUT PLAN OF INITIAL HYBRID RICE TRIAL – MEDIUM SLENDER  
(IHRT-MS), *Kharif* 2020**

<b>Replication-1</b>	<b>Replication-2</b>	<b>Replication-3</b>
101/3303	201/3305	301/3306
102/3310	202/3309	302/3312
103/3305	203/3314	303/3311
104/3301	204/3312	304/3302
105/3313	205/3310	305/3307
106/3306	206/3307	306/3309
107/3308	207/3311	307/3303
108/3314	208/3301	308/3310
109/3312	209/3313	309/3304
110/3302	210/3308	310/3314
111/3307	211/3304	311/3305
112/3311	212/3302	312/3301
113/3309	213/3303	313/3308
114/3304	214/3306	314/3313