

Table 1: List of pearl millet hybrids and checks evaluated during rainy season 2021 in alpha-lattice design for line x testers analysis

Sl. No	Variety	Cross Code	Pedigree Details
1.	ICPH001	B1/R22	ICMB 88004/ICMR 08555
2.	ICPH002	B1/R13	ICMB 88004/ICMR 07555
3.	ICPH003	B2/R22	ICMB 88006/ICMR 08555
4.	ICPH004	B2/R13	ICMB 88006/ICMR 07555
5.	ICPH005	B4/R22	ICMB 91222/ICMR 08555
6.	ICPH006	B4/R13	ICMB 91222/ICMR 07555
7.	ICPH007	B5/R22	ICMB 91444/ICMR 08555
8.	ICPH008	B5/R13	ICMB 91444/ICMR 07555
9.	ICPH009	B7/R22	ICMB 91777/ICMR 08555
10.	ICPH010	B7/R13	ICMB 91777/ICMR 07555
11.	ICPH011	B8/R22	ICMB 92111/ICMR 08555
12.	ICPH012	B8/R13	ICMB 92111/ICMR 07555
13.	ICPH013	B10/R22	ICMB 92444/ICMR 08555
14.	ICPH014	B10/R13	ICMB 92444/ICMR 07555
15.	ICPH015	B12/R22	ICMB 92777/ICMR 08555
16.	ICPH016	B12/R13	ICMB 92777/ICMR 07555
17.	ICPH017	B15/R22	ICMB 93222/ICMR 08555
18.	ICPH018	B15/R13	ICMB 93222/ICMR 07555
19.	ICPH019	B16/R22	ICMB 93333/ICMR 08555
20.	ICPH020	B16/R13	ICMB 93333/ICMR 07555
21.	ICPH021	B17/R22	ICMB 94111/ICMR 08555
22.	ICPH022	B17/R13	ICMB 94111/ICMR 07555
23.	ICPH023	B19/R22	ICMB 94444/ICMR 08555
24.	ICPH024	B19/R13	ICMB 94444/ICMR 07555
25.	ICPH025	B20/R22	ICMB 95111/ICMR 08555
26.	ICPH026	B20/R13	ICMB 95111/ICMR 07555
27.	ICPH027	B21/R22	ICMB 95222/ICMR 08555
28.	ICPH028	B21/R13	ICMB 95222/ICMR 07555
29.	ICPH029	B27/R22	ICMB 96333/ICMR 08555
30.	ICPH030	B27/R13	ICMB 96333/ICMR 07555
31.	ICPH031	B28/R22	ICMB 96666/ICMR 08555
32.	ICPH032	B28/R13	ICMB 96666/ICMR 07555
33.	ICPH033	B29/R22	ICMB 97111/ICMR 08555
34.	ICPH034	B29/R13	ICMB 97111/ICMR 07555
35.	ICPH035	B30/R22	ICMB 97222/ICMR 08555
36.	ICPH036	B30/R13	ICMB 97222/ICMR 07555
37.	ICPH037	B31/R22	ICMB 97333/ICMR 08555
38.	ICPH038	B31/R13	ICMB 97333/ICMR 07555
39.	ICPH039	B32/R22	ICMB 97444/ICMR 08555
40.	ICPH040	B32/R13	ICMB 97444/ICMR 07555

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Sl. No	Variety	Cross Code	Pedigree Details
41.	ICPH041	B33/R22	ICMB 98222/ICMR 08555
42.	ICPH042	B33/R13	ICMB 98222/ICMR 07555
43.	ICPH043	B34/R22	ICMB 98333/ICMR 08555
44.	ICPH044	B34/R13	ICMB 98333/ICMR 07555
45.	ICPH045	B35/R22	ICMB 98444/ICMR 08555
46.	ICPH046	B35/R13	ICMB 98444/ICMR 07555
47.	ICPH047	B36/R22	ICMB 98555/ICMR 08555
48.	ICPH048	B36/R13	ICMB 98555/ICMR 07555
49.	ICPH049	B39/R22	ICMB 99111/ICMR 08555
50.	ICPH050	B39/R13	ICMB 99111/ICMR 07555
51.	ICPH051	B40/R22	ICMB 99222/ICMR 08555
52.	ICPH052	B40/R13	ICMB 99222/ICMR 07555
53.	ICPH053	B41/R22	ICMB 99333/ICMR 08555
54.	ICPH054	B41/R13	ICMB 99333/ICMR 07555
55.	ICPH055	B43/R22	ICMB 99555/ICMR 08555
56.	ICPH056	B43/R13	ICMB 99555/ICMR 07555
57.	ICPH057	B44/R22	ICMB 99666/ICMR 08555
58.	ICPH058	B44/R13	ICMB 99666/ICMR 07555
59.	ICPH059	B45/R22	ICMB 00111/ICMR 08555
60.	ICPH060	B45/R13	ICMB 00111/ICMR 07555
61.	ICPH061	B49/R22	ICMB 00555/ICMR 08555
62.	ICPH062	B49/R13	ICMB 00555/ICMR 07555
63.	ICPH063	B50/R22	ICMB 00666/ICMR 08555
64.	ICPH064	B50/R13	ICMB 00666/ICMR 07555
65.	ICPH065	B55/R22	ICMB 01888/ICMR 08555
66.	ICPH066	B55/R13	ICMB 01888/ICMR 07555
67.	ICPH067	B57/R22	ICMB 02333/ICMR 08555
68.	ICPH068	B57/R13	ICMB 02333/ICMR 07555
69.	ICPH069	B58/R22	ICMB 02444/ICMR 08555
70.	ICPH070	B58/R13	ICMB 02444/ICMR 07555
71.	ICPH071	B61/R22	ICMB 03222/ICMR 08555
72.	ICPH072	B61/R13	ICMB 03222/ICMR 07555
73.	ICPH073	B62/R22	ICMB 03555/ICMR 08555
74.	ICPH074	B62/R13	ICMB 03555/ICMR 07555
75.	ICPH075	B64/R22	ICMB 03888/ICMR 08555
76.	ICPH076	B64/R13	ICMB 03888/ICMR 07555
77.	ICPH077	B65/R22	ICMB 04222/ICMR 08555
78.	ICPH078	B65/R13	ICMB 04222/ICMR 07555
79.	ICPH079	B66/R22	ICMB 04333/ICMR 08555
80.	ICPH080	B66/R13	ICMB 04333/ICMR 07555
81.	ICPH081	B67/R22	ICMB 04444/ICMR 08555
82.	ICPH082	B67/R13	ICMB 04444/ICMR 07555
83.	ICPH083	B68/R22	ICMB 04555/ICMR 08555

Sl. No	Variety	Cross Code	Pedigree Details
84.	ICPH084	B68/R13	ICMB 04555/ICMR 07555
85.	ICPH085	B70/R22	ICMB 04888/ICMR 08555
86.	ICPH086	B70/R13	ICMB 04888/ICMR 07555
87.	ICPH087	B71/R22	ICMB 04999/ICMR 08555
88.	ICPH088	B71/R13	ICMB 04999/ICMR 07555
89.	ICPH089	B72/R22	ICMB 05111/ICMR 08555
90.	ICPH090	B72/R13	ICMB 05111/ICMR 07555
91.	ICPH091	B74/R22	ICMB 05555/ICMR 08555
92.	ICPH092	B74/R13	ICMB 05555/ICMR 07555
93.	ICPH093	B75/R22	ICMB 05666/ICMR 08555
94.	ICPH094	B75/R13	ICMB 05666/ICMR 07555
95.	ICPH095	B79/R22	ICMB 06111/ICMR 08555
96.	ICPH096	B79/R13	ICMB 06111/ICMR 07555
97.	ICPH097	B81/R22	ICMB 06555/ICMR 08555
98.	ICPH098	B81/R13	ICMB 06555/ICMR 07555
99.	ICPH099	B82/R22	ICMB 06777/ICMR 08555
100.	ICPH100	B82/R13	ICMB 06777/ICMR 07555
101.	ICPH101	B83/R22	ICMB 07111/ICMR 08555
102.	ICPH102	B83/R13	ICMB 07111/ICMR 07555
103.	ICPH103	B86/R22	ICMB 07444/ICMR 08555
104.	ICPH104	B86/R13	ICMB 07444/ICMR 07555
105.	ICPH105	B87/R22	ICMB 07555/ICMR 08555
106.	ICPH106	B87/R13	ICMB 07555/ICMR 07555
107.	ICPH107	B88/R22	ICMB 07666/ICMR 08555
108.	ICPH108	B88/R13	ICMB 07666/ICMR 07555
109.	ICPH109	B89/R22	ICMB 07777/ICMR 08555
110.	ICPH110	B89/R13	ICMB 07777/ICMR 07555
111.	ICPH111	B90/R22	ICMB 07888/ICMR 08555
112.	ICPH112	B90/R13	ICMB 07888/ICMR 07555
113.	ICPH113	B91/R22	ICMB 07999/ICMR 08555
114.	ICPH114	B91/R13	ICMB 07999/ICMR 07555
115.	ICPH115	B92/R22	ICMB 08111/ICMR 08555
116.	ICPH116	B92/R13	ICMB 08111/ICMR 07555
117.	ICPH117	B93/R22	ICMB 08222/ICMR 08555
118.	ICPH118	B93/R13	ICMB 08222/ICMR 07555
119.	ICPH119	B95/R22	ICMB 08444/ICMR 08555
120.	ICPH120	B95/R13	ICMB 08444/ICMR 07555
121.	ICPH121	B97/R22	ICMB 08666/ICMR 08555
122.	ICPH122	B97/R13	ICMB 08666/ICMR 07555
123.	ICPH123	B99/R22	ICMB 08888/ICMR 08555
124.	ICPH124	B99/R13	ICMB 08888/ICMR 07555
125.	ICPH125	B100/R22	ICMB 08999/ICMR 08555
126.	ICPH126	B100/R13	ICMB 08999/ICMR 07555

Sl. No	Variety	Cross Code	Pedigree Details
127.	ICPH127	B103/R22	ICMB 09333/ICMR 08555
128.	ICPH128	B103/R13	ICMB 09333/ICMR 07555
129.	ICPH129	B105/R22	ICMB 09555/ICMR 08555
130.	ICPH130	B105/R13	ICMB 09555/ICMR 07555
131.	ICPH131	B106/R22	ICMB 09666/ICMR 08555
132.	ICPH132	B106/R13	ICMB 09666/ICMR 07555
133.	ICPH133	B108/R22	ICMB 09999/ICMR 08555
134.	ICPH134	B108/R13	ICMB 09999/ICMR 07555
135.	ICPH135	B112/R22	ICMB 10666/ICMR 08555
136.	ICPH136	B112/R13	ICMB 10666/ICMR 07555
137.	ICPH137	B115/R22	ICMB 11111/ICMR 08555
138.	ICPH138	B115/R13	ICMB 11111/ICMR 07555
139.	ICPH139	B117/R22	ICMB 11333/ICMR 08555
140.	ICPH140	B117/R13	ICMB 11333/ICMR 07555
141.	ICPH141	B119/R22	ICMB 11666/ICMR 08555
142.	ICPH142	B119/R13	ICMB 11666/ICMR 07555
143.	ICPH143	B120/R22	ICMB 11888/ICMR 08555
144.	ICPH144	B120/R13	ICMB 11888/ICMR 07555
145.	ICPH145	B121/R22	ICMB 11999/ICMR 08555
146.	ICPH146	B121/R13	ICMB 11999/ICMR 07555
147.	ICPH147	B126/R22	[[HHV-S1-24-3-B-3-2 x (ICMB 91777 x HHVBC)]-5-B-1-1-B-B-B]/ICMR 08555
148.	ICPH148	B126/R13	[[HHV-S1-24-3-B-3-2 x (ICMB 91777 x HHVBC)]-5-B-1-1-B-B-B]/ICMR 07555
149.	ICPH149	B128/R22	[IC-CZBC-CO-60-3-1-B-B]/ICMR 08555
150.	ICPH150	B128/R13	[IC-CZBC-CO-60-3-1-B-B]/ICMR 07555
151.	ICPH151	B129/R22	[(ICMB 93333 x ICMB 01222)-11-1-B-7-2]/ICMR 08555
152.	ICPH152	B129/R13	[(ICMB 93333 x ICMB 01222)-11-1-B-7-2]/ICMR 07555
153.	ICPH153	B140/R22	[(SRC II C3 S1-19-3-2 x HHVBC)-12-4-1-3-2-1-B-2-B-4-B-B]/ICMR 08555
154.	ICPH154	B140/R13	[(SRC II C3 S1-19-3-2 x HHVBC)-12-4-1-3-2-1-B-2-B-4-B-B]/ICMR 07555
155.	ICPH155	B141/R22	[(ICMB 95555 x ICMB 94333)-8-2-1-B-B-9-1 x B-bulk (3981-4011/S06 G1)]-2-3-4-B]/ICMR 08555
156.	ICPH156	B141/R13	[(ICMB 95555 x ICMB 94333)-8-2-1-B-B-9-1 x B-bulk (3981-4011/S06 G1)]-2-3-4-B]/ICMR 07555
157.	ICPH157	B144/R22	[(ICMB 04888 x ICMB 00444)-7-1-3-2]/ICMR 08555
158.	ICPH158	B144/R13	[(ICMB 04888 x ICMB 00444)-7-1-3-2]/ICMR 07555
159.	ICPH159	B145/R22	[(HHVDBC HS-246-1-2-1-2 x ICMB 98444)-4-3-1-2]/ICMR 08555
160.	ICPH160	B145/R13	[(HHVDBC HS-246-1-2-1-2 x ICMB 98444)-4-3-1-2]/ICMR 07555
161.	ICPH161	B150/R22	[[ICMB 97444 x (D2BLN/95-98 x EEBC C1-1)-7-B-B]-34-2-4-B-B-B-5-B-B]/ICMR 08555

Sl. No	Variety	Cross Code	Pedigree Details
162.	ICPH162	B150/R13	[[ICMB 97444 x (D2BLN/95-98 x EEBC C1-1)-7-B-B]-34-2-4-B-B-B-5-B-B]/ICMR 07555
163.	ICPH163	B152/R22	[[[(DMR 133 x HTBC 48-B-1-1-1-5)-19-2-B-B x ICMB 04111]-145-6-2-4]/ICMR 08555
164.	ICPH164	B152/R13	[[[(DMR 133 x HTBC 48-B-1-1-1-5)-19-2-B-B x ICMB 04111]-145-6-2-4]/ICMR 07555
165.	ICPH165	B153/R22	[[[(DMR 133 x HTBC 48-B-1-1-1-5)-19-2-B-B x ICMB 04111]-149-5-2-2]/ICMR 08555
166.	ICPH166	B153/R13	[[[(DMR 133 x HTBC 48-B-1-1-1-5)-19-2-B-B x ICMB 04111]-149-5-2-2]/ICMR 07555
167.	ICPH167	B155/R22	[{(MC 94 S1-34-1-B x HHVBC)-16-2-1-1-1-1-B-B-5 x (MC 94 S1-34-1-B x HHVBC)-10-4-1-2-1-B-B-1-30-2-4-3-3]/ICMR 08555
168.	ICPH168	B155/R13	[{(MC 94 S1-34-1-B x HHVBC)-16-2-1-1-1-1-B-B-5 x (MC 94 S1-34-1-B x HHVBC)-10-4-1-2-1-B-B-1-30-2-4-3-3]/ICMR 07555
169.	ICPH169	B158/R22	[[[(ICMB 96555 x IP 10437)-3-4-1-2-3x{(96555B x LaGrap C2 S1-32-1)-10}xIP 14758-2-1]-2-B-1-3-1-3]/ICMR 08555
170.	ICPH170	B158/R13	[[[(ICMB 96555 x IP 10437)-3-4-1-2-3x{(96555B x LaGrap C2 S1-32-1)-10}xIP 14758-2-1]-2-B-1-3-1-3]/ICMR 07555
171.	ICPH171	B163/R22	[[{(ICMB 96555 x IP 10437)-9-B-B-B-B-B x IP 14758-2-2}-19-1-B x (ICMB 96555 x IP 10437)-3-4-1-2-2-1-B-2-B-3]-3-3-2-1-1]/ICMR 08555
172.	ICPH172	B163/R13	[[{(ICMB 96555 x IP 10437)-9-B-B-B-B-B x IP 14758-2-2}-19-1-B x (ICMB 96555 x IP 10437)-3-4-1-2-2-1-B-2-B-3]-3-3-2-1-1]/ICMR 07555
173.	ICPH173	B166/R22	[[[(MC 94 S1-34-1-B x HHVBC)-10-4-3-2-2-B-B-2 x (ICMR 312 S1-1-5-3-B x HHVBC)-7-1-1-1-B-B-B]-21-B-1-2]/ICMR 08555
174.	ICPH174	B166/R13	[[[(MC 94 S1-34-1-B x HHVBC)-10-4-3-2-2-B-B-2 x (ICMR 312 S1-1-5-3-B x HHVBC)-7-1-1-1-B-B-B]-21-B-1-2]/ICMR 07555
175.	ICPH175	B169/R22	[[[(MC 94 S1-34-1-B x HHVBC)-16-1-3-1-2-2-B-B-2-B-B x ICMB 98222]-1-3-1-1]/ICMR 08555
176.	ICPH176	B169/R13	[[[(MC 94 S1-34-1-B x HHVBC)-16-1-3-1-2-2-B-B-2-B-B x ICMB 98222]-1-3-1-1]/ICMR 07555
177.	ICPH177	B174/R22	[{(MC 94 S1-81-1-B x HHVBC)-4-4-1 x (MC 94 S1-81-1-B x HHVBC)-4-2-4-10-3-1-B-B-B-2]/ICMR 08555
178.	ICPH178	B174/R13	[{(MC 94 S1-81-1-B x HHVBC)-4-4-1 x (MC 94 S1-81-1-B x HHVBC)-4-2-4-10-3-1-B-B-B-2]/ICMR 07555
179.	ICPH179	B176/R22	[(B x B) F2 S1-109-2-3-3-1-4-2]/ICMR 08555
180.	ICPH180	B176/R13	[(B x B) F2 S1-109-2-3-3-1-4-2]/ICMR 07555
181.	ICPH181	B177/R22	[(ICMB 01888 x ICMB 01222)-4-2-B-2-B-B-1]/ICMR 08555
182.	ICPH182	B177/R13	[(ICMB 01888 x ICMB 01222)-4-2-B-2-B-B-1]/ICMR 07555
183.	ICPH183	B180/R22	[(ICMB 93333 x ICMB 01222)-11-2-2-2-B-2-6]/ICMR 08555
184.	ICPH184	B180/R13	[(ICMB 93333 x ICMB 01222)-11-2-2-2-B-2-6]/ICMR 07555
185.	ICPH185	B181/R22	[(ICMB 93333 x ICMB 01222)-20-2-B-5-B-1-B]/ICMR 08555
186.	ICPH186	B181/R13	[(ICMB 93333 x ICMB 01222)-20-2-B-5-B-1-B]/ICMR 07555

Sl. No	Variety	Cross Code	Pedigree Details
187.	ICPH187	B182/R22	[(ICMB 93333 x ICMB 01222)-20-2-B-5-B-4-B]/ICMR 08555
188.	ICPH188	B182/R13	[(ICMB 93333 x ICMB 01222)-20-2-B-5-B-4-B]/ICMR 07555
189.	ICPH189	B184/R22	[[{(ICMB 96555 x IP 10437)-9-B-B-B-B-B x IP 14758-2-2}-19-1-B x (ICMB 96555 x IP 10437)-3-4-1-2-2-1-B-2-B-3]-1-1-1-1-1]/ICMR 08555
190.	ICPH190	B184/R13	[[{(ICMB 96555 x IP 10437)-9-B-B-B-B-B x IP 14758-2-2}-19-1-B x (ICMB 96555 x IP 10437)-3-4-1-2-2-1-B-2-B-3]-1-1-1-1-1]/ICMR 07555
191.	ICPH191	B186/R22	[{NC D2 S1-1-2-1-2-3-1-B x [ICMB 95111 x (ICMB 94555 x D2BLN/95-75)-6-2-B-B]-47-2-1-B-B}-1-1-3-3]/ICMR 08555
192.	ICPH192	B186/R13	[{NC D2 S1-1-2-1-2-3-1-B x [ICMB 95111 x (ICMB 94555 x D2BLN/95-75)-6-2-B-B]-47-2-1-B-B}-1-1-3-3]/ICMR 07555
193.	ICPH193	B187/R22	[IC-CZBC-C0-60-3-1-2-3 R5-3-B-B]/ICMR 08555
194.	ICPH194	B187/R13	[IC-CZBC-C0-60-3-1-2-3 R5-3-B-B]/ICMR 07555
195.	ICPH195	B188/R22	[[ICMB 95111 x (ICMB 96555 x IP 10437)-3]-7-2-1-B-2-15-1] x B-bulk (3981-3989/S06 G1)}-3-2-4-B x HHVDBC HS-155-1-1-1-2-1-1-B)-3-1-5-3]/ICMR 08555
196.	ICPH196	B188/R13	[[ICMB 95111 x (ICMB 96555 x IP 10437)-3]-7-2-1-B-2-15-1] x B-bulk (3981-3989/S06 G1)}-3-2-4-B x HHVDBC HS-155-1-1-1-2-1-1-B)-3-1-5-3]/ICMR 07555
197.	ICPH197	B189/R22	[[ICMB 95111 x (ICMB 96555 x IP 10437)-3]-7-2-1-B-2-15-1] x B-bulk (3981-3989/S06 G1)}-3-2-4-B x HHVDBC HS-155-1-1-1-2-1-1-B)-3-3-1-3]/ICMR 08555
198.	ICPH198	B189/R13	[[ICMB 95111 x (ICMB 96555 x IP 10437)-3]-7-2-1-B-2-15-1] x B-bulk (3981-3989/S06 G1)}-3-2-4-B x HHVDBC HS-155-1-1-1-2-1-1-B)-3-3-1-3]/ICMR 07555
199.	ICPH199	B192/R22	[(ICMB 04888 x HHVDBC HS-10-1-2-1-1-1-2-B)-2-1-4-3]/ICMR 08555
200.	ICPH200	B192/R13	[(ICMB 04888 x HHVDBC HS-10-1-2-1-1-1-2-B)-2-1-4-3]/ICMR 07555
201.	ICPH201	B200/R22	[(ICMB 03111 x {(MC 94 S1-34-1-B x HHVBC)-16-2-1-1-1-1-B-B-5 x (MC 94 S1-34-1-B x HHVBC)-10-4-1-2-1-B-B-1-30-2-4-3-1)-13-2-5-1]/ICMR 08555
202.	ICPH202	B200/R13	[(ICMB 03111 x {(MC 94 S1-34-1-B x HHVBC)-16-2-1-1-1-1-B-B-5 x (MC 94 S1-34-1-B x HHVBC)-10-4-1-2-1-B-B-1-30-2-4-3-1)-13-2-5-1]/ICMR 07555
Checks			
1.	PRO9444 Gold		Top selling commercial hybrid from Bayer Bioscience Pvt Ltd. Notification number SO No.122 (E) dated 2.2.2005
2.	Super Boss		Top selling commercial hybrid from Kaveri Seed Company Ltd. Notification number S. O. 2125 (E) dated 10.09.2012
3.	86M88		Top selling commercial hybrid from Corteva Agriscience Notification number S. O. 1228 (E) dated 7.05.2015
4.	86M84		Top selling commercial hybrid from Corteva Agriscience Notification number S. O. 2238 (E) on 29.06.2016

