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Public-Private- Partnership Multi Location Trial on Maize *Summer-2018*



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Public Private Partnership Multi Location Trial on Maize

Summer-2018

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**Coding and Decoding for Public-Private-Partnership Multi Location Trial on Maize
Summer-2018 IGKV, Raipur (C.G.)**

S. No.	Coding	Decoding	Name of Company
1	MS-2018-1	NMH-731(C)	Nuziveedu Seeds Ltd.
2	MS-2018-2	P-3552	PHI Seeds
3	MS-2018-3	NK-30(C)	Syngenta India Pvt.Ltd
4	MS-2018-4	Pro-4212(C)	Rasi Seeds Pvt. Ltd
5	MS-2018-5	Shaktiman-2(C)	CARS, Ambikapur
6	MS-2018-6	Hira-1122	Sheena Biotech Pvt.Ltd.
7	MS-2018-7	Vachan (Angad -1217)	Satwa Seeds Pvt.Ltd.
8	MS-2018-8	P-3546	PHI Seeds
9	MS-2018-9	MM-2030	Mahindra Seeds Pvt.Ltd

Name of Company & Total Entries

S. No	Name of Company	No. of Entries	Decoding & name of entries	Serial No. in trial
1	Nuziveedu Seeds Ltd.	1	NMH-731(C),	1
2	Syngenta India Pvt.Ltd	1	NK-30(C)	3
3	CARS, Ambikapur.	1	Shaktiman-2(C)	5
4	Mahindra Seeds Pvt.Ltd.	1	MM-2030	9
5	PHI Seeds Pvt.Ltd.	2	P-3552 and P-3546	2 & 8
6	Rasi Seeds Pvt. Ltd	1	Pro-4212(C)	4
7	Satwa Seeds Pvt.Ltd.	1	Vachan (Angad-1217)	7
8	Sheena Biotech Pvt.Ltd.	1	Hira-1122	6
	Total	9		



Table: 1. Public-Private-Partnership Multi Location Trial on Maize Summer-2018 IGKV, Raipur (C.G.)

Design	-	RBD	No. of Entries	-	9
Replication	-	3	Date of Sowing	-	24.02.2018
Plot Size	-	4.0 x 3.0m (4 Rows of 75 cm)	Fertilizer	-	100:60:40
Spacing	-	75 cm x 20 cm			

S. No.	Decoded Entries	Days to 50% Tasseling	Days to 50% Silking	Days to Maturity	Plant Height (cm)	Ear Height (cm)	Cob Length (cm)	Cob Diameter (cm)	Kernel Rows/ cob	No of Grain/ kernel row	No of cobs/ plant	Plant Population / plot	100 grain weight (g)	Grain Yield (Q/ ha)	Rank	% Increase over best check (C ₁)NK-30
1	NMH-731(C ₃)	52	53	96	215	69	14	13	37	14	54	72	27	35.7	7	
2	P-3552	53	55	94	222	66	15	14	33	16	70	75	28	51.3	2	9.61
3	NK-30(C ₁)	53	55	91	212	82	14	14	36	14	52	72	26	46.8	4	
4	Pro-4212(C ₂)	52	54	86	218	78	16	14	35	14	64	67	27	45.0	5	
5	Shaktiman-2(C ₄)	52	54	94	217	78	15	14	40	14	73	70	26	23.4	9	
6	Hira-1122	53	56	95	218	69	15	15	33	15	67	79	29	57.8	1	23.5
7	Vachan (Angad -1217)	51	53	96	208	75	15	15	35	17	48	75	27	34.4	8	
8	P-3546	51	54	90	218	73	15	14	37	17	68	78	28	48.8	3	4.27
9	MM-2030	51	53	93	204	83	16	14	29	18	62	72	29	42.8	6	
	Mean	52	54	93	215	75	15	14	35	16	62	73	28	5.14		
	CD	2.23	2.90	3.68	12.04	14.77	0.95	0.98	4.94	2.06	10.75	7.08	1.17	7.6		
	CV(%)	2.48	3.09	2.28	3.24	11.40	3.67	3.99	8.17	7.69	10.0	5.57	2.45	10.31		

Result: Nine (9) entries of maize including four checks NK-30(C₁), Pro-4212(C₂), NMH-731(C₃) & Shaktiman-2(C₄) were grown in randomized block design (RBD) with three (3) replications during summer -2018, at Raipur Chhattisgarh. Test entry Hira-1122 (57.50 Q/ha) showed first rank with 23.5% significantly superiority grain yield over best check NK-30 (46.8 Q/ha) and followed by P-3552 (51.3 Kg/ha), P-3546 (48.8 Q/ha) and NK-30 C₁ (46.8 Q/ha).

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Graph-1; GRAPH SHOWING TOP FIVE ENTRIES FOR GRAIN YIELD(Q/Ha.) IN PPP-MLT SUMMER MAIZE-2018 AT, ICKV, RAIPUR(C.G.)






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Plate-2: PPP-MLT Maize Summer -2018 Cob & Grain View at, Raipur.



Plate-3: PPP-MLT Maize Summer -2018 Cob & Grain View at, Raipur.



