

Varietal Demonstrations on Hybrid Maize in Bundelkhand Region: Case Study

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Details of the Demonstrations:

Four hybrid namely; CP-333, CP-555, CP-585 & CP-999 were demonstrated in 1.5-hectare area of C-13, C-14, D-21 & D-22 blocks at Research Farm, Rani Lakshmi Bai Central Agricultural University, Jhansi during *kharif*-2020.

Table-1: Details of the Maize Demonstration at Rlbcau Farm.

S. No.	Variety	Block	Date of sowing	Seed quantity	Spacing
1.	CP-999	C13	30/06/2020	1 KG	40 x 20 cm
2.	CP-858	C13	29/06/2020	4 KG	60 x 25 cm
3.	CP-555	C14	29/06/2020	4 KG	60 x 25 cm
4.	CP-333	D21	29/06/2020	4 KG	60 x 25 cm
5.	CP-333	D22	29/06/2020	4 KG	60 x 25 cm

Table-2: Details of the Maize Demonstration at Noner, Datia Farm

S. No.	Variety	Block	Date of sowing	Seed quantity	Spacing
1.	DHM-121	A-33	17/07/2020	4 KG	40 x 20 cm
2.	DHM-121	A-43	18/07/2020	4 KG	60 x 25 cm
3.	DHM-121	B-21	19/07/2020	4 KG	60 x 25 cm

Table-3: Layout of C-13 & C-14 Blocks.

C-14 (CP-555)	
	40 cm
C-13 (CP-999)	
60 cm	C-13 (CP-585)
	60 cm

Table-4: Layout of D-21 & D-22.

D-21				D-22			
	60 cm					60 cm	
Maize Enrty Trials							

Results:

Approximately more than 40 quintal yield has been recorded from the hybrid fields. Crop protection from birds, parrots & other wild animals has been done through using different types of sounds, like clapping, fire cracks and other instruments. A good crop has been harvested with a good number of cobs per plant, number of grains row per cob, number of grains per row, etc. Some important scientific data has been recorded on the following observations like, days to 50 % silking, days to 50 % teaselling, plant height (cm), number of cobs per plant, number of grains row per cob, number of grains per row, cob length (cm), 100-grain weight (g), grain yield per plant (g).

