

Supplementary Table 1 Location and soil properties of the different experimental sites

Research Centre	Latitude/ Longitude	Soil type	OC (%)	P (kg/ha)	K (kg/ha)	pH	EC (dS/m)
ICAR-IIWBR, Karnal	29°68'N 76°99' E	Clay loam	0.46	20.0	239	8.2	0.28
CCS HAU Hisar	29°15'N 75°70'E	Sandy loam	0.38	21	308	7.8	0.22
PAU Ludhiana	30°90'N 75°80'E	Loamy sand	0.47	32.5	134	8.3	0.09
RARI Durgapura	26°84'N 75°79'E	Sandy loam	0.21	32.6	251	7.9	0.24
RBS College of Agriculture, Agra	27°18'N 78°00°E	Sandy loam	0.35	28.9	310	8.4	1.64