

Supplementary Table 1 Interaction effect of irrigation levels and mulches on net returns (₹/ha) of okra

Mulches	Irrigation level											
	1 st Year				2 nd Year				Pooled			
	40% PE	60% PE	80% PE	100% PE	40% PE	60% PE	80% PE	100% PE	40% PE	60% PE	80% PE	100% PE
No mulch	75943	99209	135440	150142	79039	92826	138948	141426	77491	96017	137194	145784
Straw mulch	105253	133420	141922	140083	103457	136570	140902	149147	104355	134995	141412	144615
Plastic mulch	80722	113500	123034	121651	81764	112977	121003	124825	81243	113239	122019	123238
	SEm(±)			CD	SEm(±)			CD	SEm(±)			CD
				(<i>P</i> =0.05)				(<i>P</i> =0.05)				(<i>P</i> =0.05)
Irrigation at same level of mulch	5173			14902	4444			12801	3410			9634
Mulch at same level of irrigation	6122			17637	5141			14810	3997			11293

*CD at 5 % for geometry at same level of irrigation; **CD at 5 % for irrigation at same level or different mulches.

PE, Potential evapotransformation.

Supplementary Table 2 Effect of irrigation levels, crop geometry and mulches on water use and water use efficiency

Treatment	Water use (mm)			Water use efficiency (kg/ha/mm)		
	1 st Year	2 nd Year	Pooled	1 st Year	2 nd Year	Pooled
Irrigation level						
40% PE	500.3	576.7	538.5	18.39	16.09	17.24
60% PE	607.3	733.1	670.2	18.40	15.21	16.81
80% PE	714.4	889.6	802.0	17.48	14.15	15.81
100% PE	821.4	1046.0	933.7	15.64	12.48	14.06
SEm(±)	-	-	-	0.42	0.33	0.27
CD (<i>P</i> =0.05)	-	-	-	1.45	1.15	0.82
Crop geometry						
Normal sowing	660.9	811.4	736.1	16.94	14.07	15.51
Paired row sowing	660.9	811.4	736.1	18.01	14.90	16.45
SEm(±)	-	-	-	0.22	0.21	0.15
CD (<i>P</i> =0.05)	-	-	-	0.71	0.69	0.46
Mulch						
No mulch	660.9	811.4	736.1	15.55	12.73	14.14
Straw mulch	660.9	811.4	736.1	18.68	15.62	17.15
Plastic mulch	660.9	811.4	736.1	18.20	15.10	16.65
SEm(±)	-	-	-	0.37	0.20	0.21
CD (<i>P</i> =0.05)	-	-	-	1.06	0.57	0.59

PE, Potential evapotransformation.

Supplementary Table 3 Month wise water use pattern during kharif, 2019 and 2020

Month	Irrigation level			
	40% PE	60% PE	80% PE	100% PE
1 st Year				
July (15–31)	10.90	10.90	10.90	10.90
August (1–31)	20.40	20.40	20.40	20.40
September (1–30)	37.37	37.37	37.37	37.37
October (1–28)	32.14	32.14	32.14	32.14
2 nd Year				
July (16–31)	11.56	11.56	11.56	11.56
August (1–31)	16.98	16.98	16.98	16.98
September (1–30)	36.79	36.79	36.79	36.79
October (1–30)	34.67	34.67	34.67	34.67

