

Table 2. Effect of transplanting dates and nitrogen split application on maximum leaf area index, leaf area duration and crop growth rate of two rice cultivars under diverse agro-environments.

Treatments	Max. LAI			LAD (days)			CGR (g m ⁻² day ⁻¹)		
	FSD	KSK	GUJ	FSD	KSK	GUJ	FSD	KSK	GUJ
Transplanting dates									
1 st week of July	7.79a	6.70a	5.33a	407.32a	304.82a	303.07a	15.20a	12.45a	12.64b
3 rd Week of July	4.11b	5.72b	4.72b	231.94b	253.60b	256.17b	13.78b	11.50b	13.86a
LSD 5%	0.43	0.13	0.28	18.13	18.54	14.16	1.79	0.64	0.53
Cultivars									
Super Basmati	6.24ns	6.19ns	5.01ns	321.82	278.98	280.06	14.93a	12.22a	12.15b
Basmati-2000	6.15	6.23	5.03	317.44	279.44	279.19	14.04b	11.74b	14.36a
LSD 5%	0.31	0.23	0.33	10.43	8.99	9.17	0.61	0.45	0.38
Split N application									
Full N at transplanting	6.12	5.74	5.07	318.93	262.49c	279.08	14.84	11.37b	13.52b
1/2 N at transplanting + 1/2 N at 30 DAT	6.26	6.54	4.96	325.81	293.92a	277.16	14.37	12.15a	14.27a
1/3 N at transplanting + 1/3 30 DAT + 1/3 N at 50 DAT	6.21	6.34	5.05	314.16	281.21b	282.63	14.27	12.42a	11.97c
LSD 5%	0.13	0.28	0.27	12.77	11.01	11.23	0.75	0.55	0.37

Table 3. Effect of transplanting dates and nitrogen split application on net assimilation rate, intercepted radiation and radiation utilization efficiency of two rice cultivars under diverse agro-environments.

Treatments	NAR (g m ⁻² day ⁻¹)			Intercepted PAR (MJ m ⁻²)			RUE _{TDM} (g MJ ⁻¹)		
	FSD	KSK	GUJ	FSD	KSK	GUJ	FSD	KSK	GUJ
Transplanting dates									
1 st week of July	3.46b	4.26b	4.45b	1146a	773a	813a	1.18b	1.67b	1.65b
3 rd Week of July	5.24a	4.79a	4.85a	727b	618b	692b	1.60a	1.94a	1.86a
LSD 5%	0.63	0.25	0.07	62.46	27.56	11.93	0.12	0.11	0.03
Cultivars									
Super Basmati	4.32	4.58	4.55	939	694	749	1.41	1.83	1.74b
Basmati-2000	4.38	4.46	4.75	934	696	756	1.37	1.78	1.77a
LSD 5%	0.22	0.18	0.24	18.37	12.97	10.50	0.06	0.06	0.04
Split N application									
Full N at transplanting	4.46	4.76a	4.51b	934	687b	752	1.42	1.81	1.71b
1/2 N at transplanting + 1/2 N at 30 DAT	4.21	4.33b	4.92a	948	709a	752	1.36	1.79	1.81a
1/3 N at transplanting + 1/3 30 DAT + 1/3 N at 50 DAT	4.39	4.47b	4.52ba	927	690b	754	1.38	1.82	1.74b
LSD 5%	0.27	0.22	0.29	22.51	15.89	12.86	0.07	0.07	0.04

Table 4.Effect of transplanting dates and nitrogen split application on grain yield and final above-ground total dry matter of two rice cultivars under diverse agro-environments.

Treatments	Grain yield (g m ⁻²)			Above-ground total dry matter (g m ⁻²)		
	FSD	KSK	GUJ	FSD	KSK	GUJ
Transplanting dates						
1 st week of July	408a	490a	425a	1346a	1293a	1376a
3 rd Week of July	355b	453b	370b	1158b	1196b	1309b
LSD 5%	9.0	19.0	8.0	50.8	42.0	30.0
Cultivars						
Super Basmati	377b	472ns	401a	1268a	1258a	1309b
Basmati-2000	386a	471	391b	1236b	1230b	1380a
LSD 5%	7.0	8.0	6.0	19.0	24.0	48.0
Split N application						
Full N at transplanting	391a	468b	387c	1272a	1232b	1347b
1/2 N at transplanting + 1/2 N at 30 DAT	390a	459b	397b	1253ab	1263a	1442a
1/3 N at transplanting + 1/3 30 DAT + 1/3 N at 50 DAT	362b	488a	404a	1231a	1238ab	1238c
LSD 5%	8.0	9.0	6.0	22.0	25.0	35.0