

Supplementary Table 1. Effect of sowing windows and genotypes on yield, related yield traits of groundnut

Treatments	Pod yield (kg ha ⁻¹)		Haulm yield (kg ha ⁻¹)		Harvest index		No. of pods per plant		Pod weight per plant (g)		TDM (g)	
	2023-24	2024-25	2023-24	2024-25	2023-24	2024-25	2023-24	2024-25	2023-24	2024-25	2023-24	2024-25
V: Genotypes												
V₁ (KCG-6)	1855 ^b	2507 ^b	7942 ^b	8471 ^b	0.22 ^a	0.25 ^a	33.63 ^b	13.88 ^b	33.34 ^b	21.50 ^b	80.56 ^b	65.90 ^b
V₂ (K-1812)	3454 ^a	3751 ^a	12066 ^a	18087 ^a	0.27 ^a	0.18 ^b	40.38 ^a	33.38 ^a	44.44 ^a	38.13 ^a	101.3 ^a	83.39 ^a
V₃ (K-6)	1763 ^b	2397 ^b	5798 ^c	8152 ^b	0.29 ^a	0.25 ^a	15.88 ^c	11.50 ^b	26.01 ^b	20.75 ^b	64.79 ^c	64.77 ^b
F test	**	**	NS	*	**	**	**	**	**	**	**	**
S. Em. ±	83.59	138.2	415.8	334.1	0.02	0.01	2.66	1.81	3.23	3.37	3.25	1.52
CD @ 5 %	252.0	416.4	1253	1007	NS	0.03	8.03	5.45	9.72	10.15	9.80	4.59
D: Date of sowing												
D₁ (June 2nd fortnight)	2125 ^b	2761 ^a	11218 ^a	12201 ^a	0.17 ^b	0.20 ^b	26.08 ^b	17.08 ^b	29.49 ^b	21.67 ^b	87.19 ^a	72.40 ^a
D₂ (July 1st fortnight)	2590 ^a	3009 ^a	5986 ^b	10940 ^b	0.35 ^a	0.25 ^a	33.83 ^a	22.08 ^a	39.70 ^a	31.92 ^a	77.29 ^b	70.31 ^a
F test	**	NS	NS	NS	**	**	*	*	*	*	*	NS
S. Em. ±	68.25	112.8	339.5	272.8	0.02	0.01	2.17	1.48	2.63	2.75	2.65	1.24
CD @ 5 %	205.7	NS	1023.3	822.2	0.06	0.03	6.55	4.45	7.94	8.28	8.00	NS
Interaction												
D₁V₁	1706 ^{cd}	2135 ^c	10181 ^b	8707 ^b	0.15 ^b	0.22 ^b	31.50 ^{bc}	7.75 ^c	30.18 ^{bc}	12.25 ^b	87.10 ^{bc}	65.41 ^d
D₂V₁	2003 ^c	2878 ^b	5703 ^{dc}	8235 ^{bc}	0.29 ^a	0.29 ^a	35.75 ^{ab}	20.00 ^b	36.50 ^{ab}	30.75 ^a	74.03 ^{cd}	66.38 ^{cd}
D₁V₂	3108 ^b	3911 ^a	16120 ^a	18615 ^a	0.17 ^b	0.18 ^b	36.25 ^{ab}	35.00 ^a	41.08 ^{ab}	37.75 ^a	107.0 ^a	78.93 ^b
D₂V₂	3801 ^a	3591 ^a	8013 ^c	17559 ^a	0.36 ^a	0.18 ^b	44.50 ^a	31.75 ^a	47.80 ^a	38.50 ^a	95.75 ^{ab}	87.85 ^a

D₁V₃	1560 ^d	2237 ^c	7353 ^{cd}	9280 ^b	0.19 ^b	0.21 ^b	10.50 ^d	8.50 ^c	17.23 ^c	15.00 ^b	67.48 ^d	72.85 ^{bc}
D₂V₃	1965 ^c	2557 ^{bc}	4242 ^c	7025 ^c	0.38 ^a	0.29 ^a	21.25 ^{cd}	14.50 ^{bc}	34.80 ^{ab}	26.50 ^{ab}	62.10 ^d	56.68 ^e
F test	NS	*	**	NS	NS	*	NS	*	NS	NS	NS	**
S. Em. ±	118.2	195.4	588.0	472.4	0.03	0.02	3.76	2.56	4.56	4.76	4.59	2.15
CD @ 5 %	NS	588.93	1772	NS	NS	0.05	NS	7.70	NS	NS	NS	6.49
CV (%)	10.03	13.54	13.29	11.64	13.21	10.96	15.1	12.5	14.52	13.21	11.18	6.03

Supplementary Table 2. Effect of sowing windows and genotypes on growth and growth attributes of groundnut

Treatments	Plant height (cm)		No. of branches per plant		LA (cm ²)		LAI		AGR (g plant ⁻¹ Day ⁻¹)		RGR (g g ⁻¹ Day ⁻¹)	
	2023-24	2024-25	2023-24	2024-25	2023-24	2024-25	2023-24	2024-25	2023-24	2024-25	2023-24	2024-25
V: Genotypes												
V₁ (KCG-6)	51.28 ^a	57.13 ^a	8.63 ^b	9.18 ^b	94.33 ^c	77.38 ^c	0.31 ^c	0.26 ^c	1.037 ^b	0.622 ^b	0.0080 ^a	0.0055 ^a
V₂ (K-1812)	37.58 ^c	43.75 ^b	12.00 ^a	11.05 ^a	300.3 ^a	275.6 ^a	1.00 ^a	0.92 ^a	1.380 ^a	0.789 ^a	0.0087 ^a	0.0054 ^a
V₃ (K-6)	43.79 ^b	47.75 ^b	9.75 ^{ab}	10.25 ^{ab}	158.0 ^b	201.4 ^b	0.53 ^b	0.67 ^b	0.718 ^c	0.599 ^b	0.0064 ^b	0.0053 ^a
F test	**	**	*	*	**	**	**	**	**	**	**	NS
S. Em. ±	1.12	2.02	0.86	0.43	17.72	15.50	0.06	0.05	0.08	0.04	0.0005	0.0003
CD @ 5 %	3.38	6.08	2.58	1.30	53.40	46.72	0.18	0.16	0.24	0.11	0.0014	NS
D: Date of sowing												
D₁ (June 2nd fortnight)	42.23 ^b	46.58 ^b	9.92 ^a	10.06 ^a	210.3 ^a	205.4 ^a	0.70 ^a	0.68 ^a	1.136 ^a	0.660 ^a	0.0080 ^a	0.0052 ^a
D₂ (July 1st fortnight)	46.20 ^a	52.50 ^a	10.33 ^a	10.26 ^a	158.1 ^b	164.2 ^b	0.53 ^b	0.55 ^b	0.953 ^a	0.680 ^a	0.0074 ^a	0.0056 ^a
F test	**	*	NS	NS	*	*	*	*	NS	NS	NS	NS
S. Em. ±	0.92	1.65	0.70	0.35	14.47	12.66	0.05	0.04	0.06	0.03	0.0004	0.0002

CD @ 5 %	2.76	4.96	NS	NS	43.60	38.15	0.15	0.13	NS	NS	NS	NS
Interaction												
D₁V₁	48.43 ^b	52.50 ^b	8.50 ^a	8.75 ^b	95.40 ^c	86.00 ^{bc}	0.32 ^c	0.29 ^{bc}	1.143 ^b	0.573 ^{bc}	0.0083 ^{ab}	0.0049 ^a
D₂V₁	54.13 ^a	61.75 ^a	8.75 ^a	9.60 ^{ab}	93.25 ^c	68.75 ^c	0.31 ^c	0.23 ^c	0.931 ^{bc}	0.671 ^{bc}	0.0078 ^{ab}	0.0060 ^a
D₁V₂	37.55 ^c	40.25 ^c	11.75 ^a	11.43 ^a	333.6 ^a	273.3 ^a	1.11 ^a	0.91 ^a	1.500 ^a	0.730 ^{ab}	0.0092 ^a	0.0053 ^a
D₂V₂	37.60 ^c	47.25 ^{bc}	12.25 ^a	10.68 ^{ab}	267.0 ^{ab}	278.0 ^a	0.89 ^{ab}	0.93 ^a	1.259 ^{ab}	0.847 ^a	0.0083 ^{ab}	0.0056 ^a
D₁V₃	40.73 ^c	47.00 ^{bc}	9.50 ^a	10.00 ^{ab}	201.9 ^b	257.0 ^a	0.67 ^b	0.86 ^a	0.767 ^c	0.676 ^{bc}	0.0067 ^b	0.0053 ^a
D₂V₃	46.86 ^b	48.50 ^{bc}	10.00 ^a	10.50 ^{ab}	114.2 ^c	145.8 ^b	0.38 ^c	0.49 ^b	0.669 ^c	0.523 ^c	0.0062 ^b	0.0053 ^a
F test	NS	NS	NS	NS	NS	*	NS	*	NS	*	NS	NS
S. Em. ±	1.58	2.85	1.22	0.61	25.04	21.92	0.08	0.07	0.112	0.05	0.001	0.0004
CD @ 5 %	NS	NS	NS	NS	NS	66.07	NS	0.22	NS	0.16	NS	NS
CV (%)	7.17	11.51	12.98	11.85	12.70	11.24	12.20	13.50	11.43	12.05	14.21	11.21

Supplementary Table 3. Effect of sowing windows on accumulated agro meteorological indices and resource use efficiencies of groundnut (Pooled data)

Parameters	Sowing windows			
	June 2 nd fortnight		July 1 st fortnight	
	2023-24	2024-25	2023-24	2024-25
Yield (kg ha ⁻¹)	2125	2761	2590	3009
GDD* (° days)	1.607	1.592	1.729	1.745
PTU* (°days hours)	20.03	19.64	21.1	21.4
HETU* (°days)	8.97	6.72	7.63	10.76
HYTU*(kg° days ⁻¹)	115.8	116.6	127.9	126.8
HUE* (kg° days ⁻¹)	1.298	1.71	1.731	1.459
PTUE* (kg° days hour ⁻¹)	0.104	0.139	0.142	0.119
HeTUE*(kg° days hour ⁻¹)	0.232	0.403	0.392	0.237
HytUE* (kg° days ⁻¹)	0.018	0.023	0.023	0.02
RUE*(kg MJ ⁻¹)	1.081	2.226	2.288	1.177

*Values for the given indices and efficiencies are in multiples of 1000.