

Supplementary material: Tables

Table S1. Main effect (mean \pm common SE and median values) of the two years of experimentation on seed yield and thousand seed weight.

Year		Seed Yield (gm ⁻²)	Thousand seed weight (g)
2015	Mean	116.08 \pm 5.13	1.00 \pm 0.033
	Median	91.00	0.99
2016	Mean	105.42 \pm 5.13	1.04 \pm 0.033
	Median	76.00	1.12
Total	Mean	110.75 \pm 3.63	1.02 \pm 0.023
	Median	82.00	1.06

Table S2. Main effect (mean \pm common SE and median values) of the three irrigation treatments on seed yield and thousand seed weight.

Irrigation		Seed Yield (gm ⁻²)	Thousand seed weight (g)
d40	Mean	96.35 \pm 6.29	0.99 \pm 0.040
	Median	76.00	1.06
d70	Mean	105.30 \pm 6.29	1.02 \pm 0.040
	Median	83.50	0.99
d100	Mean	130.60 \pm 6.29	1.05 \pm 0.040
	Median	89.00	1.08

Table S3. Main effect (mean \pm common SE and median values) of the basil cultivars on seed yield and thousand seed weight.

Cultivar		Seed Yield (gm ⁻²)	Thousand seed weight (g)
Mrs Burns	Mean	184.92 \pm 8.12	1.20 \pm 0.05
	Median	188.50	1.24
Cinnamon	Mean	172.38 \pm 8.12	1.09 \pm 0.05
	Median	183.00	1.14
Sweet	Mean	64.17 \pm 8.12	1.14 \pm 0.05
	Median	63.50	1.10
Red Rubin	Mean	59.38 \pm 8.12	.80 \pm 0.05
	Median	59.00	.86
Thai	Mean	72.92 \pm 8.12	.88 \pm 0.05
	Median	66.00	.83

Table S4. Main effect (mean \pm common SE and median values) of the two years of experimentation on seed germination, length of shoot, length of root, and seed vigor.

Year		Seed germination (%)	Length of shoot (cm)	Length of root (cm)	Seed vigor
2015	Mean	51.86 \pm 0.62	2.50 \pm 0.02	1.73 \pm 0.02	0.73 \pm 0.042
	Median	50.00	2.43	1.56	0.59
2016	Mean	46.90 \pm 0.62	1.82 \pm 0.02	1.47 \pm 0.02	1.37 \pm 0.042
	Median	48.33	1.99	1.40	0.78
Total	Mean	49.38 \pm 0.44	2.16 \pm 0.01	1.60 \pm 0.015	1.05 \pm 0.03
	Median	50.00	2.25	1.43	0.66

Table S5. Main effect (mean \pm common SE and median values) of the three irrigation treatments on seed germination, length of shoot, length of root and seed vigor.

Irrigation		Seed germination (%)	Length of shoot (cm)	Length of root (cm)	Seed vigor
d ₄₀	Mean	55.06 \pm 0.75	2.20 \pm 0.022	1.65 \pm 0.03	1.08 \pm 0.05
	Median	55.84	2.26	1.49	0.68
d ₇₀	Mean	47.47 \pm 0.75	2.13 \pm 0.022	1.56 \pm 0.03	1.01 \pm 0.05
	Median	46.67	2.26	1.45	0.68
d ₁₀₀	Mean	45.60 \pm 0.75	2.15 \pm 0.022	1.59 \pm 0.03	1.07 \pm 0.05
	Median	45.84	2.21	1.39	0.63

Table S6. Main effect (mean \pm common SE and median values) of the five basil cultivars on seed germination, length of shoot, length of root and seed vigor.

Cultivar		Seed germination (%)	Length of shoot (cm)	Length of root (cm)	Seed vigor
Mrs Burns	Mean	66.20 \pm 0.97	2.06 \pm 0.03	1.99 \pm 0.034	1.58 \pm 0.066
	Median	74.17	2.25	2.00	0.90
Cinnamon	Mean	51.16 \pm 0.97	2.31 \pm 0.03	1.35 \pm 0.034	0.66 \pm 0.066
	Median	50.00	2.39	1.25	0.50
Sweet	Mean	51.61 \pm 0.97	2.81 \pm 0.03	2.05 \pm 0.034	0.87 \pm 0.066
	Median	53.33	2.92	1.98	0.67
Red Rubin	Mean	36.81 \pm 0.97	1.44 \pm 0.03	0.92 \pm 0.034	0.91 \pm 0.066
	Median	36.67	1.60	0.92	0.63
Thai	Mean	41.11 \pm 0.97	2.17 \pm 0.03	1.68 \pm 0.034	1.24 \pm 0.066
	Median	45.00	2.38	1.55	0.64

Table S7. Main effect (mean \pm common SE and median values) of the four PEG concentrations on seed germination, length of shoot, length of root and seed vigor.

PEG %		Seed germination (%)	Length of shoot (cm)	Length of root (cm)	Seed vigor
S0	Mean	55.32 \pm 0.87	2.86 \pm 0.025	1.38 \pm 0.03	0.48 \pm 0.06
	Median	53.33	2.91	1.39	0.49
S5	Mean	53.19 \pm 0.87	2.53 \pm 0.025	1.52 \pm 0.03	0.60 \pm 0.06
	Median	51.67	2.50	1.31	0.57
S10	Mean	50.41 \pm 0.87	2.05 \pm 0.025	1.72 \pm 0.03	0.90 \pm 0.06
	Median	48.33	2.13	1.68	0.78
S15	Mean	38.60 \pm 0.87	1.20 \pm 0.025	1.78 \pm 0.03	2.23 \pm 0.06
	Median	37.50	1.15	1.46	1.57