SUPPLEMENTARY MATERIALS

TABLE S1
Sample size for each experimental treatment considering only viable seeds. Non-viable seeds were determined by phytosanitary evaluation after the experiment

Temperature	Substrate	Moisture	Replicate	Viable seeds			Non-viable seeds
				Dead	Germinated	Not germinated	
18-22 °C	Soil	25 %	A	11	13	6	20
			B	16	9	5	20
			C	15	15	2	18
		50 %	A	20	16	5	9
			B	14	11	4	21
			C	13	10	6	21
	Premix	25 %	A	16	19	0	15
			B	4	14	6	26
			C	5	26	5	14
		50 %	A	5	27	7	11
			B	12	21	7	10
			C	9	19	6	16
25 °C	Soil	25 %	A	9	6	17	18
			B	4	5	18	23
			C	5	2	18	25
		50 %	A	11	5	6	28
			B	16	6	1	27
			C	32	2	0	16
	Premix	25 %	A	0	24	1	25
			B	5	19	1	25
			C	2	14	0	34
		50 %	A	0	23	3	24
			B	2	26	0	22
			C	0	18	0	32

Total words: 5652

Table S2. Cox proportional model comparison of germination in *Eriotheca vargasii.* The optimal model included substrate type and temperature, where the latter also determined different baseline functions at 25 °C and 18-22 °C. (*** denotes highly significant effects)

Cox model	*logL*	Δ*logL*	χ^2	*d.f.*	*P*
$h(t, \text{Germ}) \sim \beta_{1\,(\text{Sustrate})} + \beta_{2\,(\text{Temperature})} + \beta_{3\,(\text{Moisture})}$	-2048.6				
$h(t, \text{Germ}) \sim \beta_{1\,(\text{Sustrate})} + \beta_{2\,(\text{Temperature})}$	-2049	-0.4	0.68	1	0.41
$h(t, \text{Germ}) \sim \beta_{1\,(\text{Sustrate})} + strata_{\,(\text{Temperature})}$	-1845.1	203.9	407.71	1	$2.2e^{-16}$ ***
$h(t, \text{Germ}) \sim \beta_{1\,(\text{Sustrate})} + strata_{\,(\text{Temperature})} + \beta_{2\,(\text{Sustrate } x \text{ Temperature})}$	-1824.3	20.8	41.57	1	$1.14e^{-10}$ ***