SUPLEMENTARY INFORMATION

Table S1. Results of models predicting the abundance of collected propagules; only models with a $\Delta AIC_c < 2$ are presented. Adj R^2: adjusted R^2 (proportion of the variance explained); AICcW: model weight; norm: normality of residuals; cosw: cosine of wind direction; sinw: sine of wind direction; tem: temperature (log-transformed); wspeed: wind speed (log-transformed); rain: rainfall (log-transformed). No model selection was performed for the Doñana A collectors and the Doñana B wet collector due to the small number of propagules collected (see Table 1).

Resultados de los modelos predictivos de la abundancia de propágulos recogidos. Solamente se muestran aquellos modelos con un ΔAIC_c <2. Adj R^2: R^2 ajustado (proporción de varianza explicada), AICcW: "peso" del modelo, norm: normalidad de los residuales, cosw: coseno de la dirección del viento, sinw: seno de la dirección del viento, tem: temperatura (log-transformada), wspeed: velocidad del viento (log-transformada), rain: precipitación (log-transformada). No se seleccionaron modelos para los colectores Doñana A y Doñana B húmedo debido a la poca cantidad de propágulos recogidos en ellos (ver Tabla 1).

Doñana B dry

Response variable: Zooplankton propagules + bryozoan statoblasts	AICc	AICcW	Adj R^2	p	norm
y= -0.36 + 0.08** cosw + 0.28** tem	-62.72	0.38	0.40	0.02	yes
Response variable: Zooplankton propagules					
y= -0.19 + 0.04** cosw + 0.16** tem	-80.78	0.31	0.40	0.02	yes
y= -0.21 + 0.03* cosw + 0.01ns rain + 0.18** tem	-79.23	0.14	0.40	0.02	yes
Response variable: Rotifer resting eggs					
y=-0.17 + 0.04** cosw + 0.14* tem	-83.71	0.28	0.37	0.02	yes
y=-0.18 + 0.03* cosw + 0.01ns rain + 0.16** tem	-81.78	0.11	0.43	0.03	yes

Total dry (collectors A and B)

Response variable: Zooplankton propagules + bryozoan statoblasts	AICc	AICcW	Adj R^2	p	norm
null model	-79.41	0.21	-	-	
y= -0.16 + 0.03* cosw + 0.13* tem	-78.62	0.14	0.23	0.08	yes
y= -0.09 +0.01ns rain + 0.10ns tem	-77.73	0.09	0.18	0.12	yes
y=0.05 – 0.01ns wspeed	-77.62	0.09	0.02	0.28	no
Response variable: Zooplankton propagules					
y=-0.06 + 0.01** cosw + 0.04** tem	-125.20	0.48	0.47	0.01	yes
y=-0.06 + 0.01* cosw + 0.002ns rain + 0.05** tem	-123.30	0.18	0.52	0.01	yes
Response variable: Rotifer resting eggs					
y=-0.04 + 0.01** cosw + 0.03* tem	-126.13	0.28	0.37	0.02	yes

Total Donaña B (dry and wet)

Response variable: Zooplankton propagules + bryozoan statoblasts	AICc	AICcW	Adj R^2	p	norm
null model	-78.32	0.20	-		
y=-0.16 + 0.03* cosw + 0.14* tem	-77.60	0.14	0.23	0.08	yes
y = 0.06 - 0.13ns wspeed	-77.46	0.13	0.08	0.16	no
y=-0.07 + 0.05ns sinw + 0.10* tem	-76.95	0.10	0.20	0.11	yes
Response variable: Zooplankton propagules					
null model	-90.96	0.21	-		
y=-0.06 + 0.03ns sinw + 0.07* tem	-90.39	0.16	0.24	0.08	yes
y=-0.03 + 0.03ns tem	-89.83	0.12	0.06	0.19	no
y= 0.04 – 0.07ns wspeed	-89.23	0.09	0.02	0.27	no
Response variable: Rotifer resting eggs					
null model	-92.35	0.21	-		
y=-0.06 + 0.03ns sinw + 0.07* tem	-91.99	0.18	0.25	0.07	yes
y=-0.03 + 0.03ns tem	-90.98	0.11	0.05	0.22	no
y= 0.03 - 0.06ns wspeed	-90.63	0.09	0.02	0.02	no

Total Doñana A-B (dry and wet)

Response variable: Zooplankton propagules + bryozoan statoblasts	AICc	AICcW	Adj R^2	p	norm
null model	-90.73	0.23	-	-	
y=-0.10 + 0.02ns cosw + 0.09* tem	-89.40	0.12	0.20	0.10	no
y=-0.10 + 0.02ns cosw + 0.09* tem	-89.37	0.12	0.05	0.22	no
Response variable: Zooplankton propagules					
null model	-107.14	0.18	-	-	
y=-0.03 + 0.02* sinw + 0.04* tem	-106.90	0.16	0.26	0.07	yes
y= 0.03 – 0.05ns wspeed	-106.21	0.11	0.07	0.17	no
y=-0.06 + 0.01ns cosw + 0.05* tem	-105.93	0.10	0.21	0.10	no
y=-0.02 + 0.02ns tem	-105.62	0.08	0.04	0.24	no
Response variable: Rotifer resting eggs					
null model	-107.75	0.21	-	-	
y= -0.03 + 0.02* sinw + 0.04* tem	-107.30	0.17	0.25	0.07	yes
y= 0.02 - 0.04ns wspeed	-106.60	0.12	0.06	0.19	no

$^*p < 0.05$, $^{**}p < 0.01$

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