

Drivers of *Hymenoscyphus fraxineus* infections in inner alpine valleys of North Western Italy

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Supplementary Table S4

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Table S4. Decreasing spatial gradients of the incidence and impact of *Hymenoscyphus fraxineus* and of the monthly precipitations of April (P_4) and July (P_7). For each variable the direction from an octant O1 ($R < 0$) to the opposite O2 ($R > 0$) is expressed as O1 \rightarrow O2 ($\mp R$) and the corresponding R values are indicated. Impact variables acronyms are defined as follows: incidence of *H. fraxineus* (*inc*), ash crown transparency (*ctr*), number of lesions observed at the stem base (*nl*), and percentage of leaves displaying necrotic stains on the lamina (*pnl*). Directions acronyms used are derived from the standard windrose directions.

Variable	N \rightarrow S	NE \rightarrow SW	E \rightarrow W	SE \rightarrow NW
<i>inc</i>	∓ 0.34	∓ 0.43	∓ 0.38	∓ 0.24
<i>ctr</i>	∓ 0.33	∓ 0.19	∓ 0.29	∓ 0.32
<i>nl</i>	∓ 0.16	∓ 0.39	∓ 0.30	∓ 0.29
<i>pnl</i>	∓ 0.44	∓ 0.22	∓ 0.09	∓ 0.05
P_7	∓ 0.62	∓ 0.37	∓ 0.47	∓ 0.57
P_4	∓ 0.25	∓ 0.43	∓ 0.51	∓ 0.53