**Supplementary Information**

Table S1. Pollen horizontal flux density (6 Sep. 2013). Ri (i=1 to 5) was the rotorod sampler at different height in the center of the experiment field (AP1), R1 was at 3.55 m, R2 was at 2.80 m, R3 was at 2.05 m, R4 was at 1.30 m and R5 was at 0.80 m; mean wind speed (m s-1) was the average wind speed at height of the rotorod sampler in the sampling time period.

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| --- | --- | --- | --- | --- | --- |
| **Name of Sampler** | **Sampling time period** | **The total number of pollen grains on counting area** | **Mean wind speed (m s-1)** | **Rotational speed of the sampler (rpm)** | **Pollen Horizontal Flux Density (grains m-2 s-1)** |
| R1 | 0940 h – 1045 h | 12 | 1.26 | 2942 | 8.35 |
| R2 | 0940 h – 1045 h | 21 | 1.1 | 2863 | 10.33 |
| R3 | 0940 h – 1045 h | 11 | 0.86 | 3015 | 2.94 |
| R4 | 0940 h – 1045 h | 7 | 0.38 | 3117 | 0.5 |
| R5 | 0940 h – 1045 h | 20 | 0.17 | 2617 | 0.49 |
| R1 | 1100 h – 1300 h | 51 | 1.47 | 2942 | 22.35 |
| R2 | 1100 h – 1300 h | 57 | 1.28 | 2863 | 17.65 |
| R3 | 1100 h – 1300 h | 50 | 1 | 3015 | 8.41 |
| R4 | 1100 h – 1300 h | 53 | 0.44 | 3117 | 2.38 |
| R5 | 1100 h – 1300 h | 129 | 0.2 | 2617 | 1.97 |
| R1 | 1320 h – 1450 h | 53 | 1.51 | 2942 | 31.87 |
| R2 | 1320 h – 1450 h | 56 | 1.32 | 2863 | 23.79 |
| R3 | 1320 h – 1450 h | 37 | 1.03 | 3015 | 8.54 |
| R4 | 1320 h – 1450 h | 91 | 0.45 | 3117 | 5.62 |
| R5 | 1320 h – 1450 h | 116 | 0.21 | 2617 | 2.43 |
| R1 | 1455 h – 1650 h | 32 | 1.09 | 2942 | 10.89 |
| R2 | 1455 h – 1650 h | 31 | 0.95 | 2863 | 7.45 |
| R3 | 1455 h – 1650 h | 36 | 0.74 | 3015 | 4.7 |
| R4 | 1455 h – 1650 h | 57 | 0.32 | 3117 | 1.99 |
| R5 | 1455 h – 1650 h | 67 | 0.15 | 2617 | 0.79 |
| R1 | 1655 h – 1830 h | 25 | 0.54 | 2942 | 5.06 |
| R2 | 1655 h – 1830 h | 29 | 0.47 | 2863 | 4.15 |
| R3 | 1655 h – 1830 h | 29 | 0.37 | 3015 | 2.25 |
| R4 | 1655 h – 1830 h | 37 | 0.16 | 3117 | 0.77 |
| R5 | 1655 h – 1830 h | 31 | 0.07 | 2617 | 0.22 |