

Supplement to
“Testing effects of seed treatments against clubroot disease in various oilseed rape hybrids”

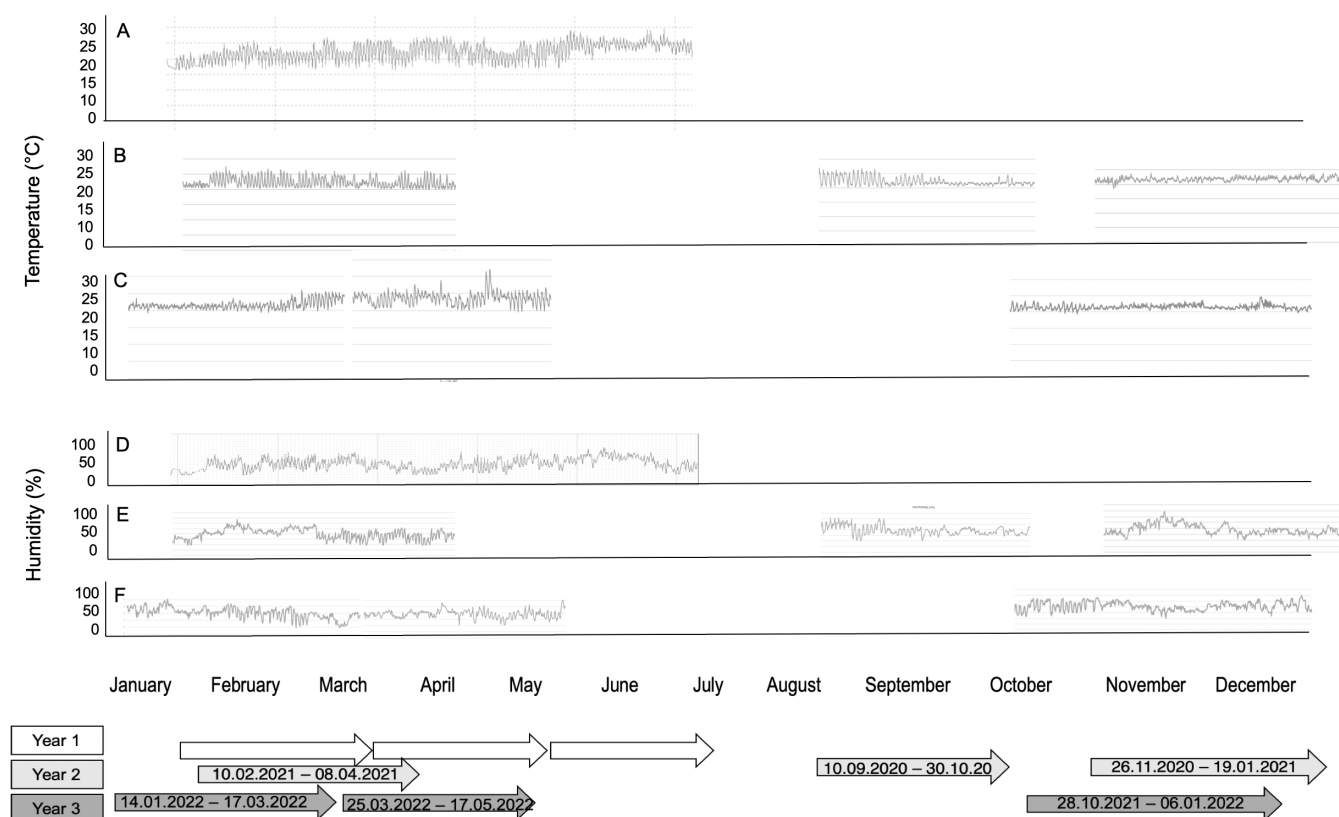


Figure S1. Greenhouse parameters over the three experimental periods. A, D: Year 1; B, E: year 2; C, F: year 3.

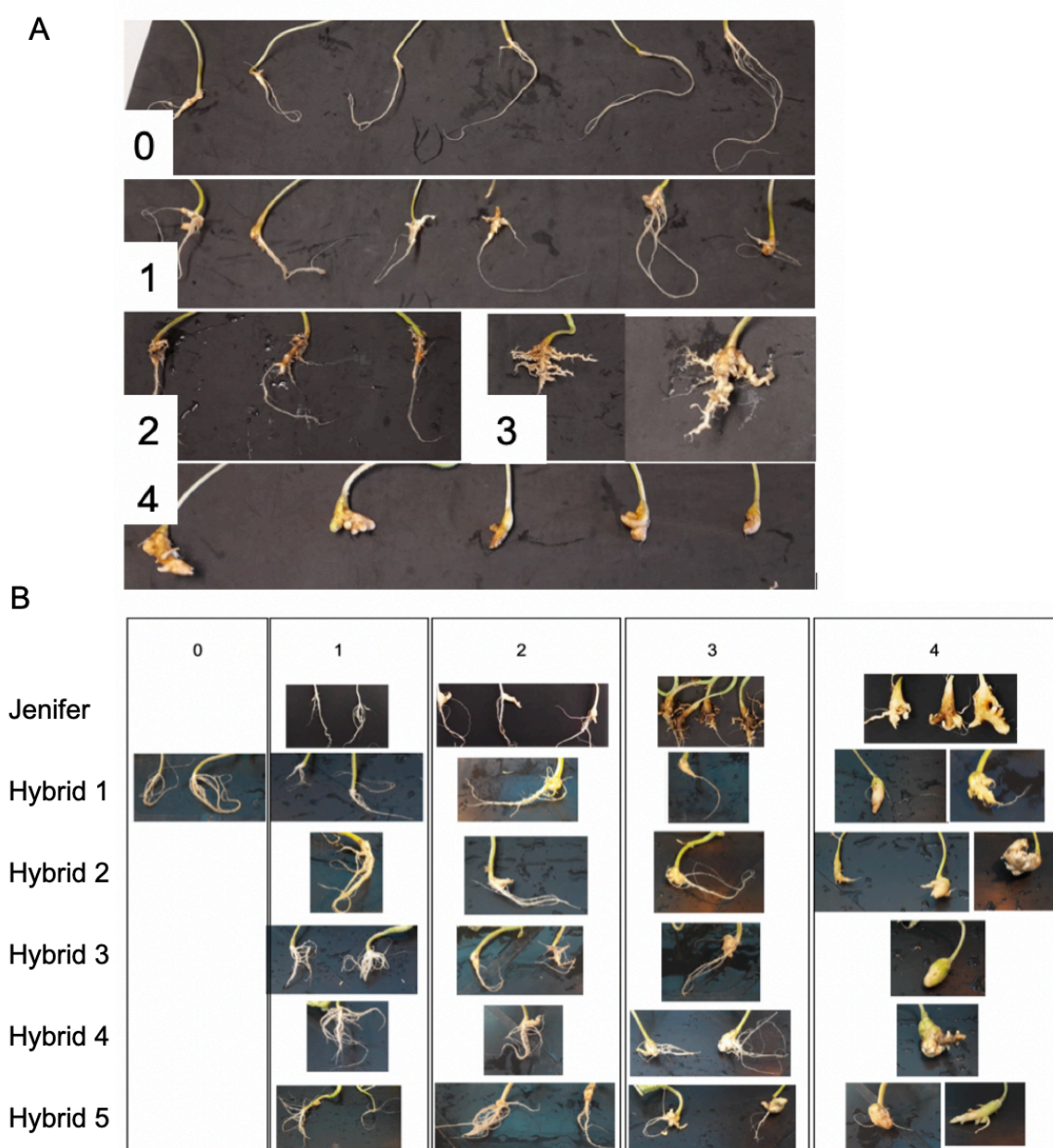


Figure S2. A. Examples for the different disease classes indicated in the photos by 0 - 4 with the field isolate at a spore concentration of 10^6 mL^{-1} on hybrid 1; B. Examples of different classes with SSI e3 and all hybrids used in this study at a spore concentration of 10^6 mL^{-1} . Clubs of different hybrids with e3 SSI do not show different phenotypes.

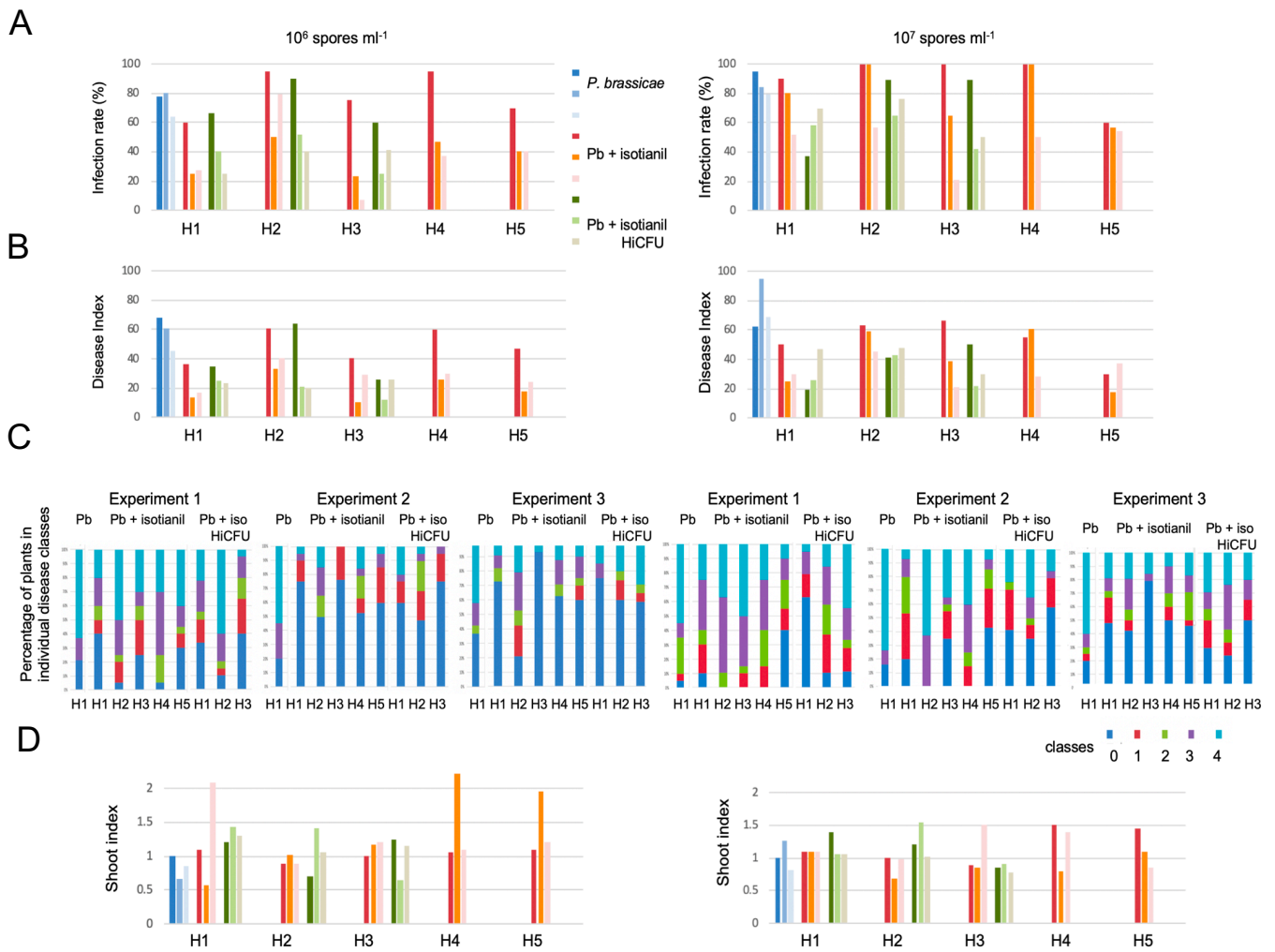
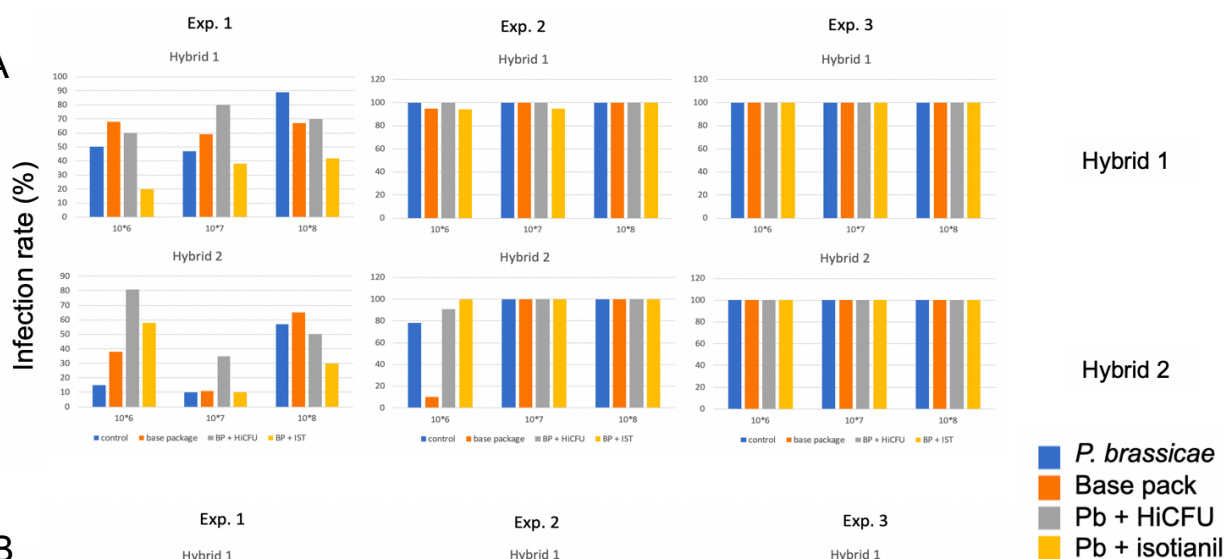
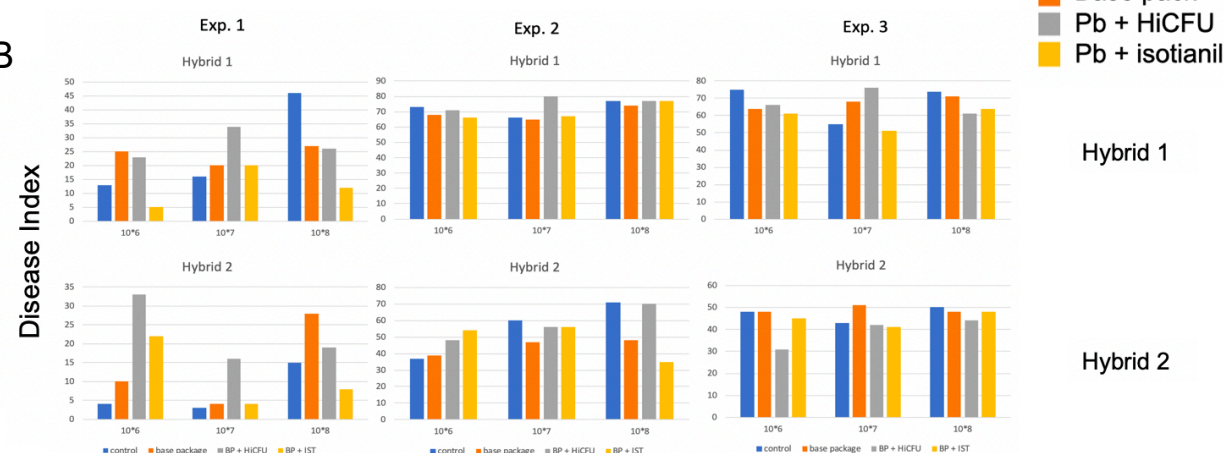


Figure S3. Data from year 2. *P. brassicae* (Pb) isolate e3 10⁶ spores/ml and 10⁷ spores/ml as well as different hybrids (H1 – H5) and treatments (I = Isotianil; *Bacillus* = *Bacillus amyloquefaciens* QST713 HiCFU); Different shades represent the individual experiments in one year. A. Infection rate; B. Disease Index; C: Percentage of plants in individual disease classes and the scale goes from zero to 100 %; D. Shoot index. The color key can be found between and below the panels.

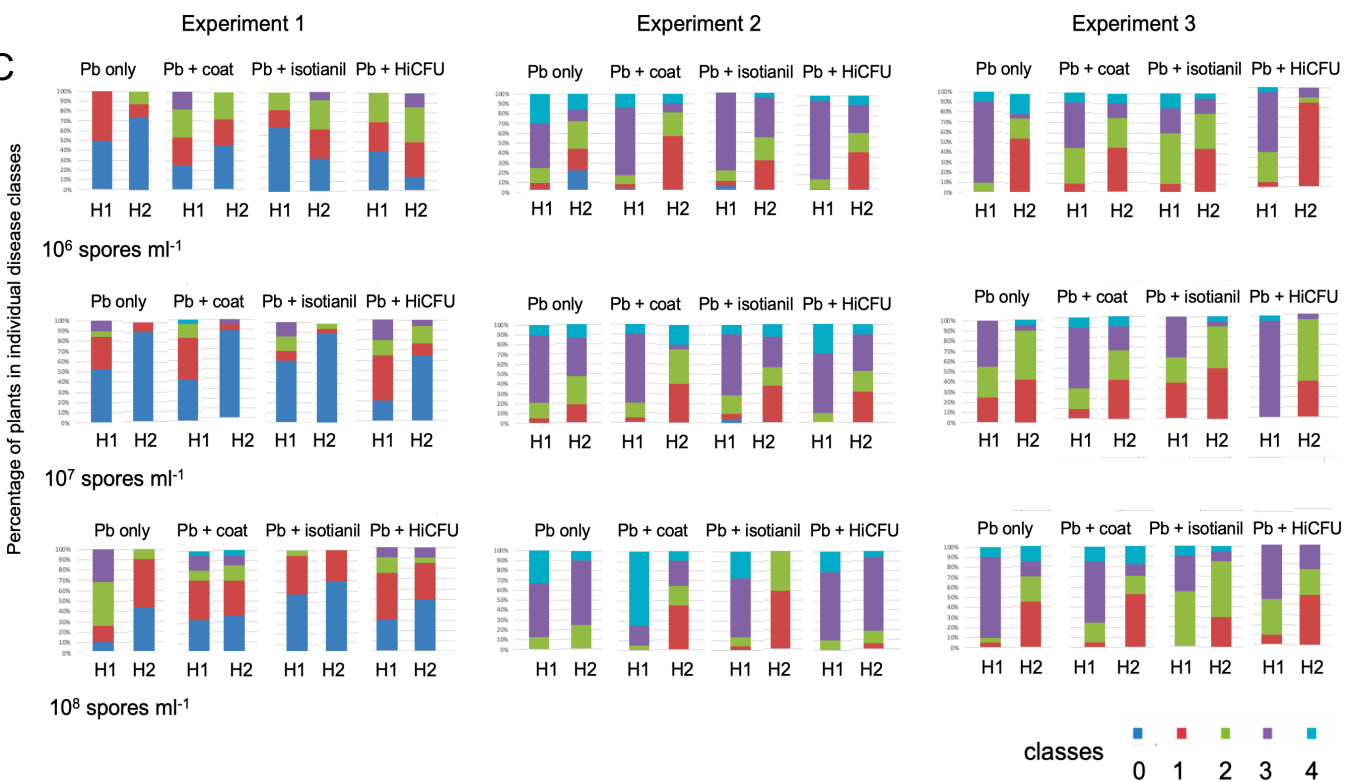
A



B



C



D

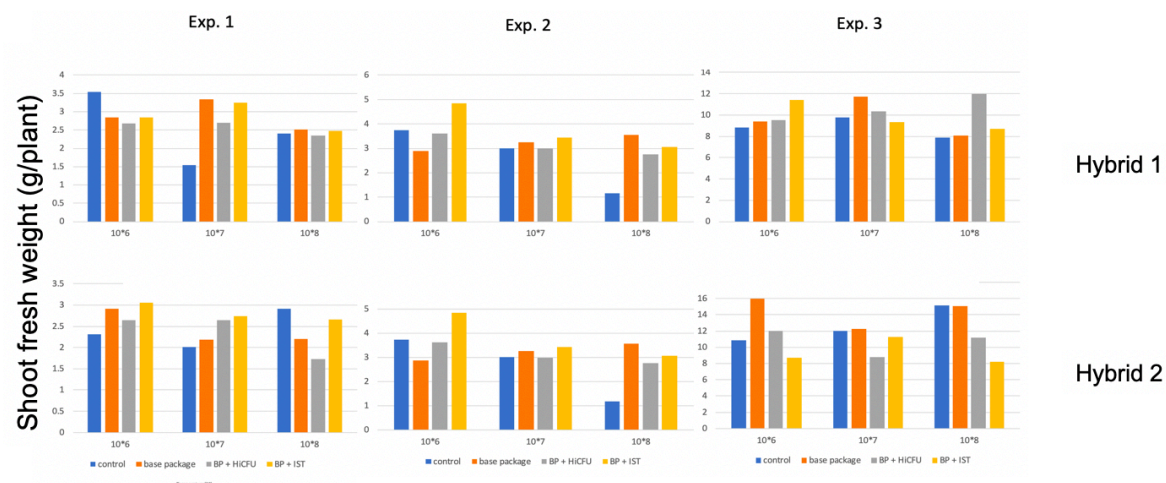
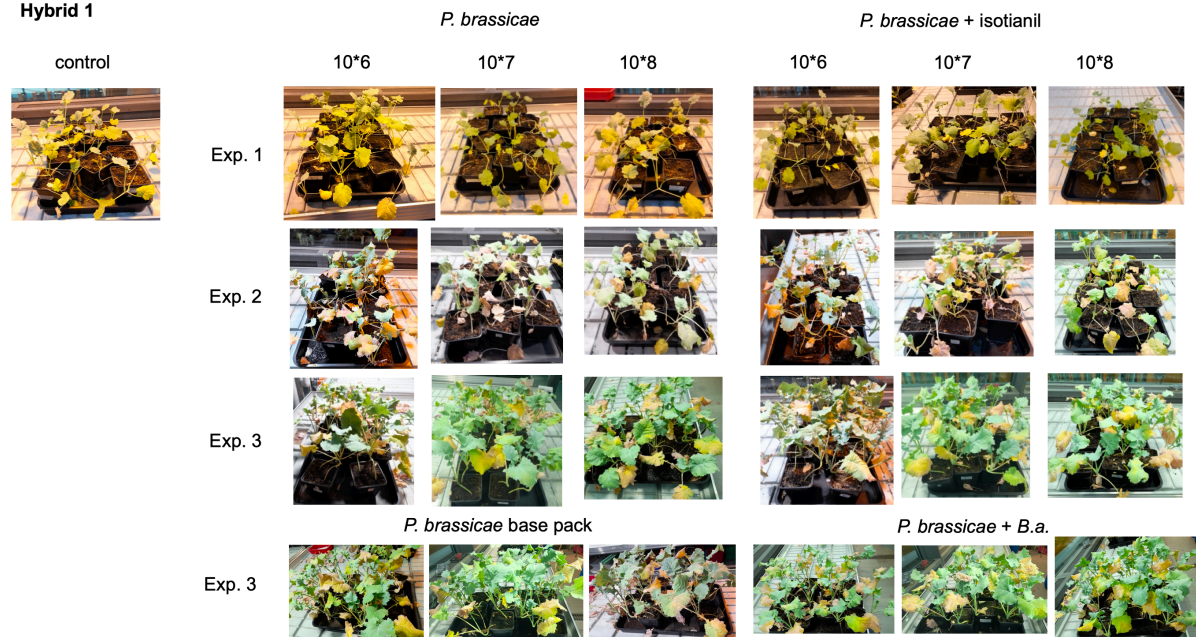


Figure S4. Data from year 3: *P. brassicae* (Pb) field isolate 10⁶ spores/ml, 10⁷ spores/ml and 10⁸ spores/ml as well as different hybrids (H1, H2) and treatments (I = Isotianil; *Bacillus* = *Bacillus amyloquefaciens* QST713 HiCFU). The three different experiments (exp) are shown separately, for mean values see Figure 4. A. Infection rate; B. Disease Index; C: Percentage of plants in individual disease classes; D. Shoot weight/plant. The color key can be found between and below the panels.

Hybrid 1



Hybrid 2

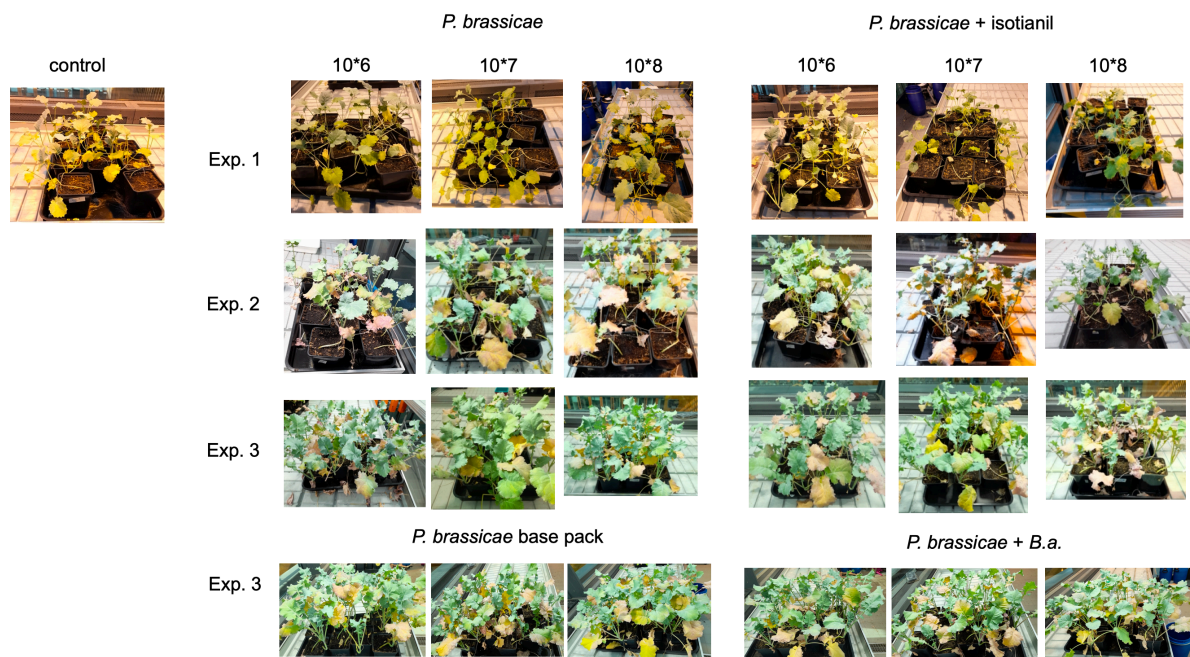


Figure S5. Shoot phenotypes of with *P. brassicae* inoculated seeds from control and isotianil treatments from the third-year experiment. Upper panel shows the pictures for hybrid 1, the lower panel for hybrid 2, both inoculated with the field isolate. All three experiments indicate no difference between leaf phenotypes. For one third-year experiment (Exp. 3) also the leaves for Bacillus treated plants (B.a.) only and base pack (coating solution only) are shown.