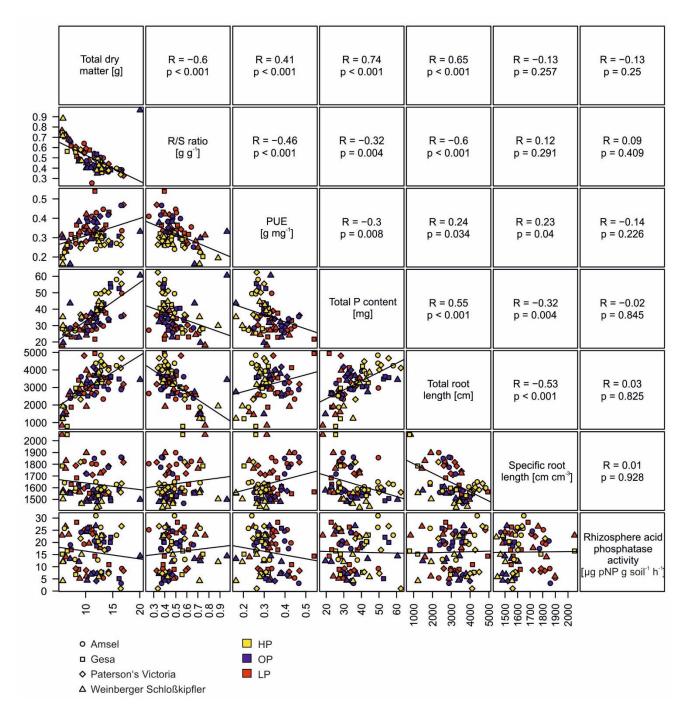


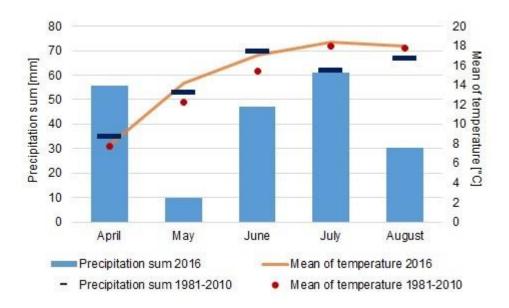
## Supplementary Material



Supplementary Figure S1. Large wire cage used in Experiment A.



**Supplementary Figure S2.** Pearson's correlation coefficients between plant parameters of the potato cultivars Amsel (circle), Gesa (square), Paterson's Victoria (diamond) and Weinberger Schloßkipfler (triangle) grown in pots fertilized with  $KH_2PO_4$  (yellow),  $C_6H_{16}CaO_{24}P_6$  (blue) and without P supply (red).



**Supplementary Figure S3.** Monthly precipitation sum and temperature for growing period 2016 (calculated from values per day) and mean of 1981-2010 (data from Deutscher Wetterdienst, <u>www.dwd.de</u>) for the nearest weather station in Rostock-Warnemünde.