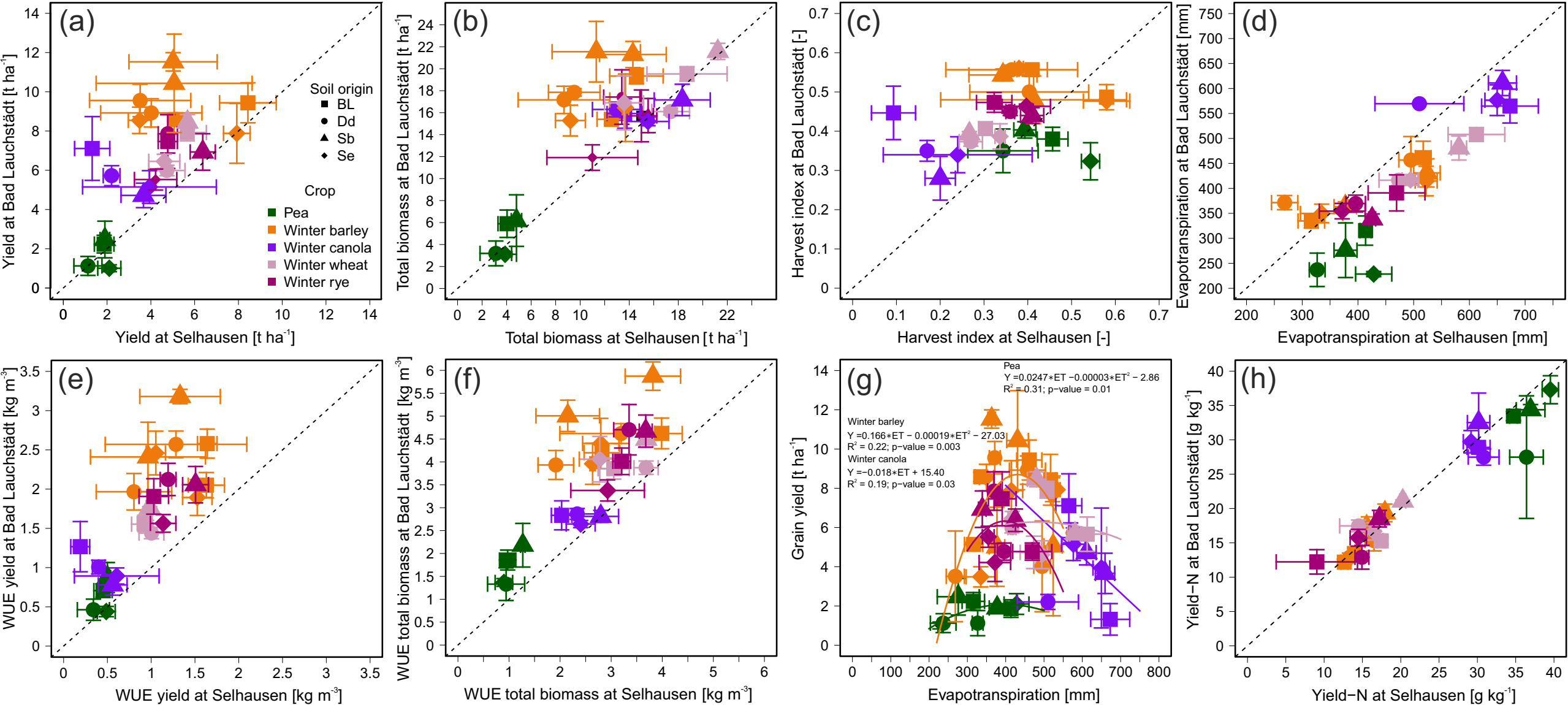
(a)
Yield at Bad Lauchstädt [t ha-1]
Yield at Selhausen [t ha-1]
Soil origin
BL
Dd
Sb
Se
Crop
Pea
Winter barley
Winter canola
Winter wheat
Winter rye
(b)
Total biomass at Bad Lauchstädt [t ha-1]
Total biomass at Selhausen [t ha-1]
(c)
Harvest index at Bad Lauchstädt [-]
Harvest index at Selhausen [-]
(d)
Evapotranspiration at Bad Lauchstädt [mm]
Evapotranspiration at Selhausen [mm]
(e)
WUE yield at Bad Lauchstädt [kg m-3]
WUE yield at Selhausen [kg m-3]
(f)
WUE total biomass at Bad Lauchstädt [kg m-3]
WUE total biomass at Selhausen [kg m-3]
(g)
Pea
Y =0.0247∗ET −0.00003∗ET2 − 2.86
R2 = 0.31; p−value = 0.01
Winter barley
Y =0.166∗ET − 0.00019∗ET2 − 27.03
R2 = 0.22; p−value = 0.003
Winter canola
Y =−0.018∗ET + 15.40
R2 = 0.19; p−value = 0.03
Grain yield [t ha-1]
Evapotranspiration [mm]
(h)
Yield−N at Bad Lauchstädt [g kg-1]
Yield−N at Selhausen [g kg-1]