

Figure S1. Half-hourly changes in temperature ($^{\circ}\text{C}$), wind speed (m s^{-1}), and precipitation or irrigation (mm) after presowing 2016 (a) and side-dressing 2017 application (b).

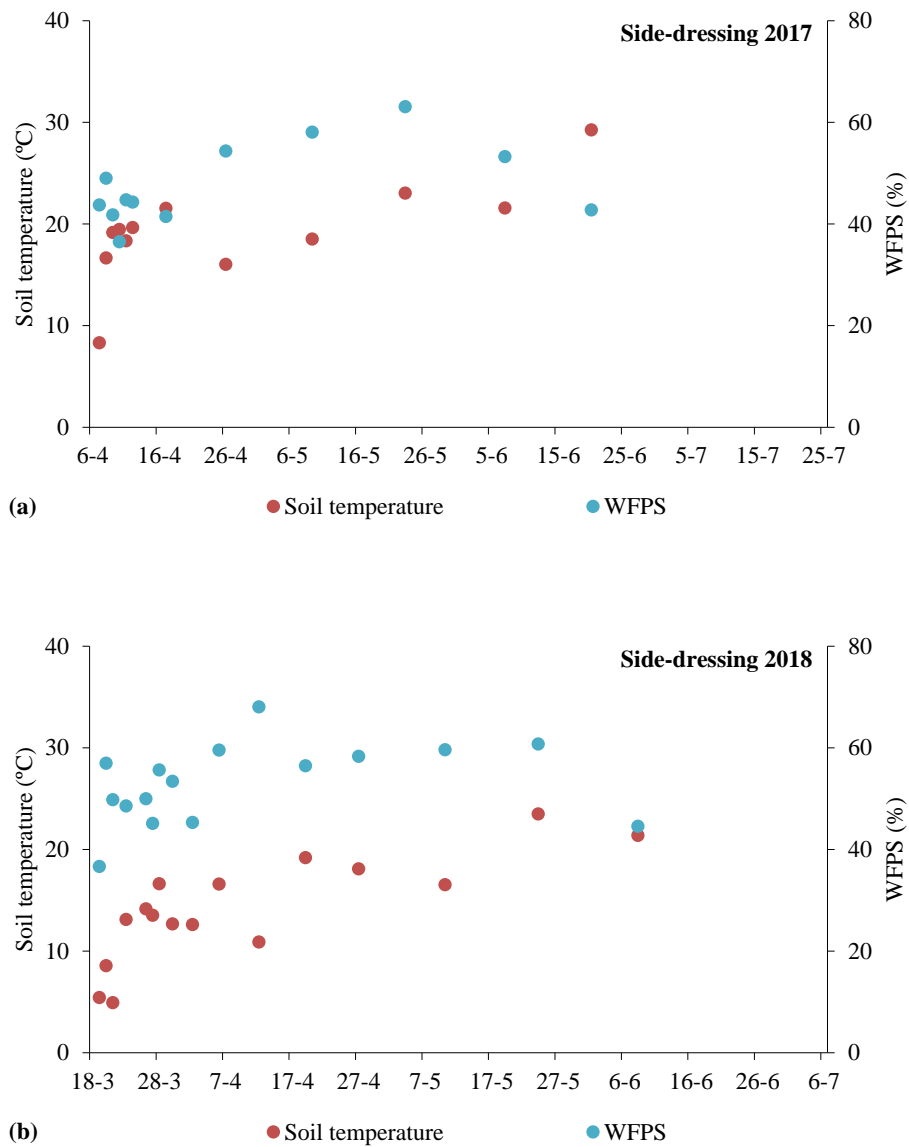


Figure S2. Soil temperature (°C) and soil water-filled pore space (%) at 10-cm depth during the N₂O samplings after pig slurry application (tillering) at side-dressing 2017 (a) and side-dressing 2018 (b).