

Zhang J J, Zhu J Q, Lin C F, Wang T P, Dong C Q, Qin W. Pretreatment mechanism of β -O-4 lignin during phosphoric acid-acetone process based on density functional theory and molecular dynamic simulations. *Int J Agric & Biol Eng*, 2016; 9(2): 127–136.

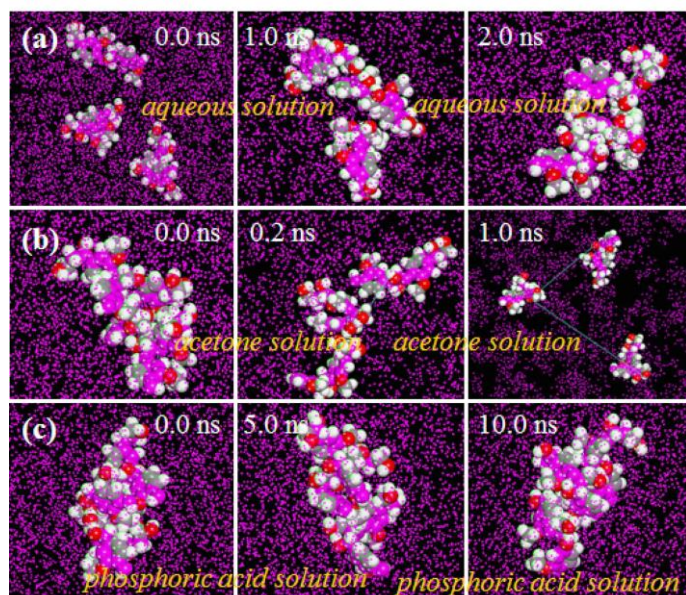


Figure 6 Conformations of lignin in (a) aqueous, (b) acetone and (c) phosphoric acid solutions after MD simulations

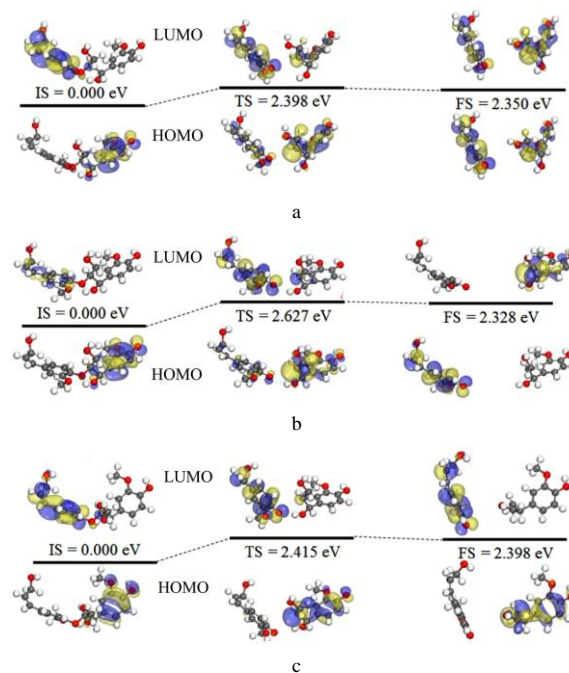


Figure 7 Energy profile for the decomposition of $L_{\beta-O-4}$ with the isosurface (0.03) of HOMO and LUMO in (a) aqueous solution, (b) acetone solution and (c) phosphoric acid solution. The initial state, transition state, and final state are denoted as IS, TS and FS, respectively

Li S H, He P, Liu B S, Ni P, Han X. Modeling of maize gross primary production using MODIS imagery and flux tower data. *Int J Agric & Biol Eng*, 2016; 9(2): 110–118.

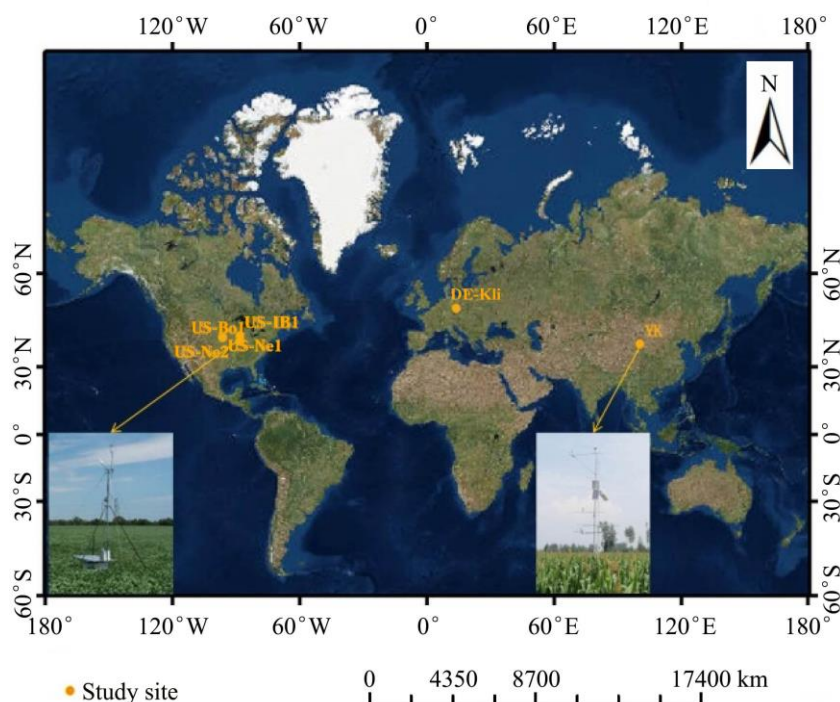


Figure 1 Locations of study sites

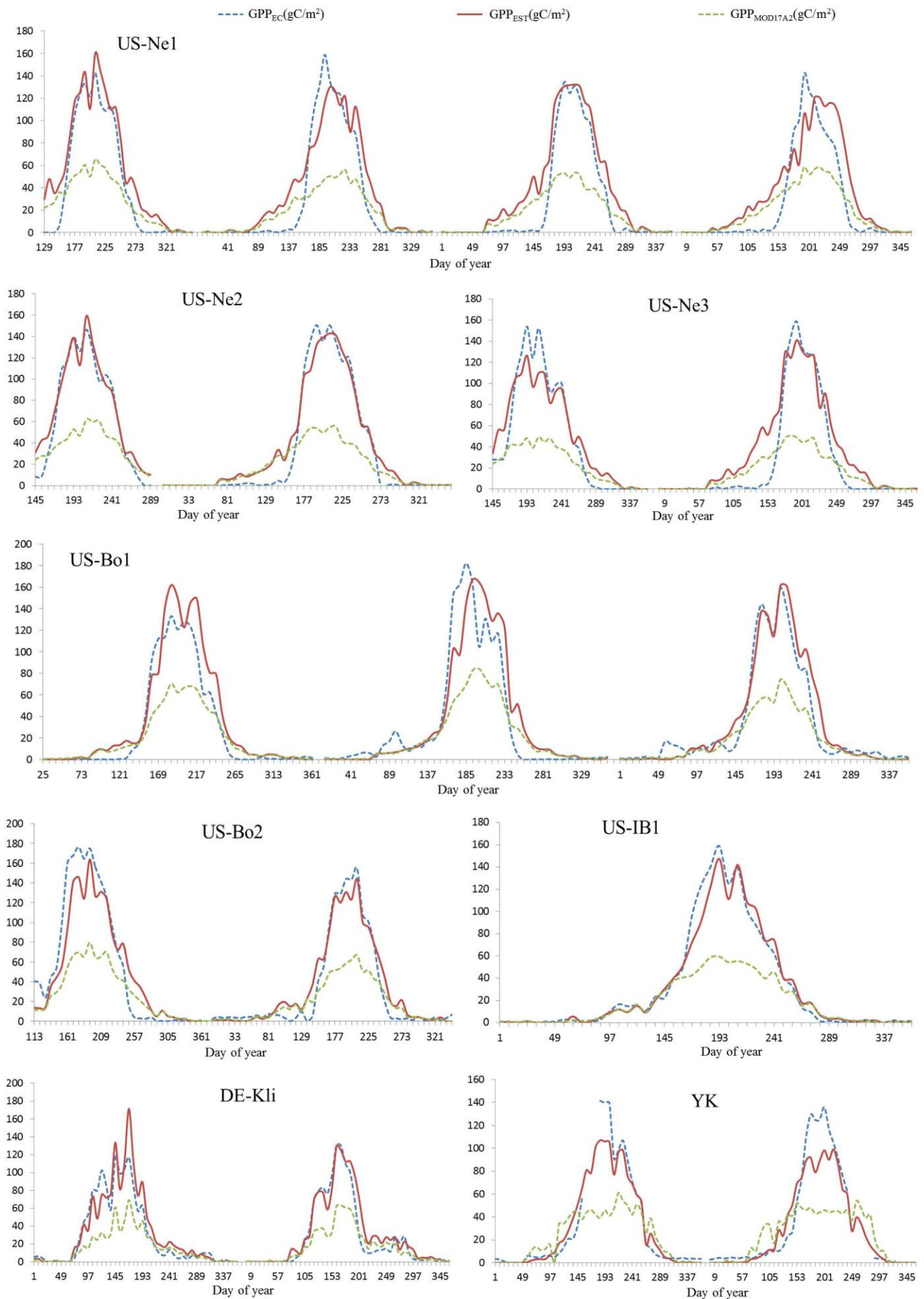


Figure 2 Seasonal dynamics and interannual variation of gross primary production (GPP_{EST}, GPP_{EC} and GPP_{MOD17A2}) at the eight maize sites