



INSTITUTE OF AGRICULTURAL RESOURCES
AND REGIONAL PLANNING , CAAS

Wu Xueping



Professor



Ph.D. Supervisor



86-10-82108665



wuxueping@caas.cn



Innovation Team of Soil Health Care, IARRP, CAAS



Dongpei Building, 12 Zhongguancun Nandajie Street, Haidian District, Beijing, China

Research Interests

- Agricultural water utilization
- Conservation tillage and soil fertility
- Soil carbon and nitrogen cycling

Publication

Is least limiting water range a useful indicator of the impact of tillage management on maize yield? Soil & Tillage Research, 2020, DOI: 10.1016/j.still.2020.104602

Factors governing soil water repellency under tillage management: The role of pore structure and hydrophobic substances, Land Degradation & Development, 2020, DOI: 10.1002/ldr.3779

Effects of different long-term tillage systems on the composition of organic matter by ¹³C CP/TOSS NMR in physical fractions in the Loess Plateau of China, Soil & Tillage Research, 2019, DOI: 10.1016/j.still.2019.104321

Distribution of soil aggregates and organic carbon in deep soil under long-term conservation tillage with residual retention in dryland, Journal of Arid Land, 2019, DOI: 10.1007/s40333-019-0094-6

Soil wet aggregate distribution and pore size distribution under different tillage systems after



16 years in the Loess Plateau of China, Catena, 2019, DOI: 10.1016/j.catena.2018.09.043

Response of soil organic carbon fractions, microbial community composition and carbon mineralization to high-input fertilizer practices under an intensive agricultural system, PloS one, 2018, DOI: 10.6084/m9.figshare.5771433.v1

Effect of different tillage systems on aggregate structure and inner distribution of organic carbon, Geoderma, 2017, DOI: 10.1016/j.geoderma.2016.11.005

Soil respiration, glomalin content, and enzymatic activity response to straw application in a wheat-maize rotation system, Journal of Soils and Sediments, 2017, DOI: 10.1007/s11368-017-1817-y

Long-term organic and inorganic fertilizations enhanced basic soil productivity in a fluvo-aquic soil, Journal of Integrative Agriculture, 2015, DOI: 10.1016/S2095-3119(15)61191-1

Basic Soil Productivity of Spring Maize in Black Soil Under Long-Term Fertilization Based on DSSAT Model, Journal of Integrative Agriculture, 2014, DOI: 10.1016/S2095-3119(13)60715-7

Mechanism of organic upland soil carburization and fertilization on the Loess Plateau (CN), Beijing/China Agricultural Science and Technology. 2020, ISBN: 9787511645869

Theory and technology of water-saving and weight-loss cultivation of crops in the eastern plain of the Loess Plateau (CN), Beijing/China Agricultural Publishing House Co., Ltd. 2019, 9787109260900

Mechanism and technology of water saving, weight loss and efficiency enhancement for vegetable plots in facilities (CN), Beijing/China Agriculture Press. 2018, ISBN: 9787109250697

Theory and practice of comprehensive control of agricultural stereoscopic pollution (CN), Zhejiang/Zhejiang Science and Technology Publishing House. 2010, ISBN: 9787534140136

Comprehensive prevention and control of three-dimensional pollution(CN), Beijing/China Agricultural Science and Technology. 2010, ISBN: 9787802334236

China ecosystem services for poverty alleviation: situation analysis and research strategy, Beijing/Science Press. 2010, ISBN: 9787030307552

Water saving farming system theory and technology(CN), Beijing/China Agricultural Science and Technology. 2008, ISBN: 9787802336421

Water saving agriculture in China(CN), Beijing/China Agricultural Science and Technology. 2006, ISBN: 9787802336421



INSTITUTE OF AGRICULTURAL RESOURCES
AND REGIONAL PLANNING , CAAS

