

Cover page

Type of contribution: Research paper

Date of preparation:

Number of text pages:

Number of tables: 1

Number of figures: 9

Title:

Extreme precipitation accelerates nitrate leaching in the intensive agricultural region with the thick unsaturated zone

Xueqiang Zhu^{1,2}, Peng Miao^{1,2}, Wanhong Li^{1,2}, Xinyu Liang^{1,2}, Lei Wang³, Zhujun Chen^{1,2*},
Jianbin Zhou^{1,2*}

¹College of Natural Resources and Environment, Northwest A&F University, Yangling, Shaanxi 712100, China

²Key Laboratory of Plant Nutrition and the Agri-environment in Northwest China, MOA, Yangling, Shaanxi 712100, China

³ British Geological Survey, Keyworth, Nottingham NG12 5GG, UK

Corresponding author:

Jianbin Zhou, Zhujun Chen

Email: jbzhou@nwsuaf.edu.cn, zjchen@nwsuaf.edu.cn

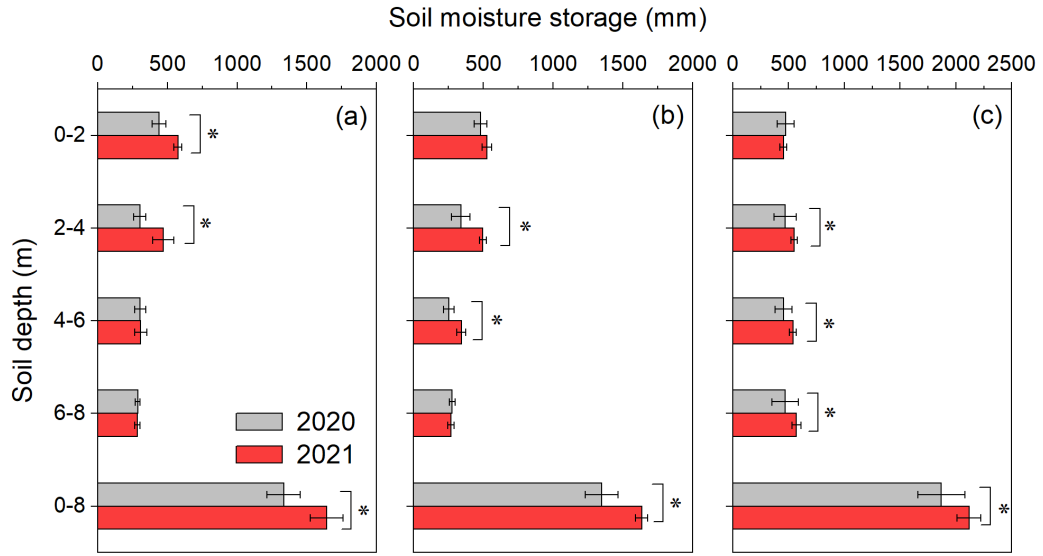


Fig. S1 Soil moisture storage in rainfed region (a), well-irrigated region (b) and canal-irrigated region (c).