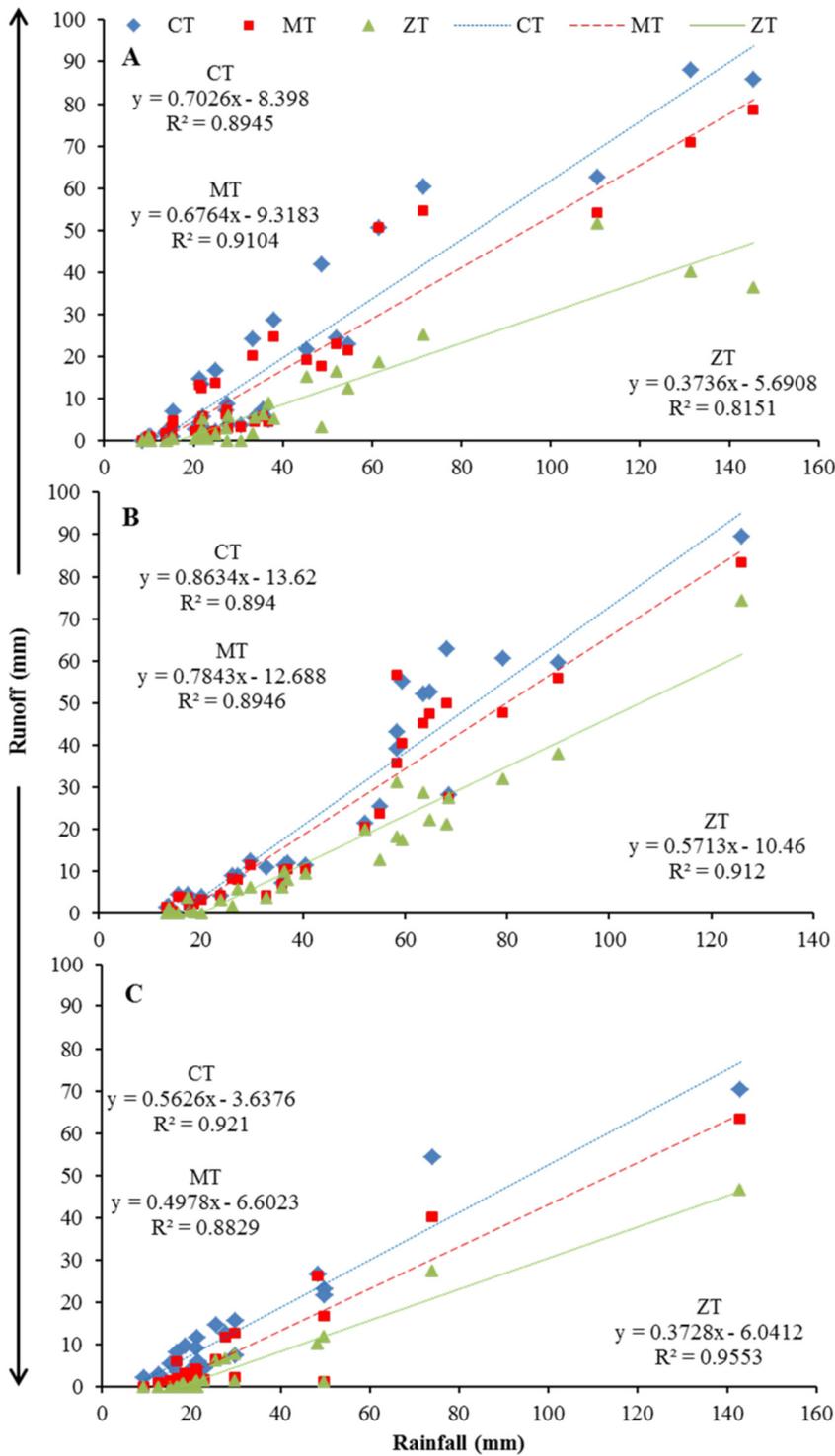
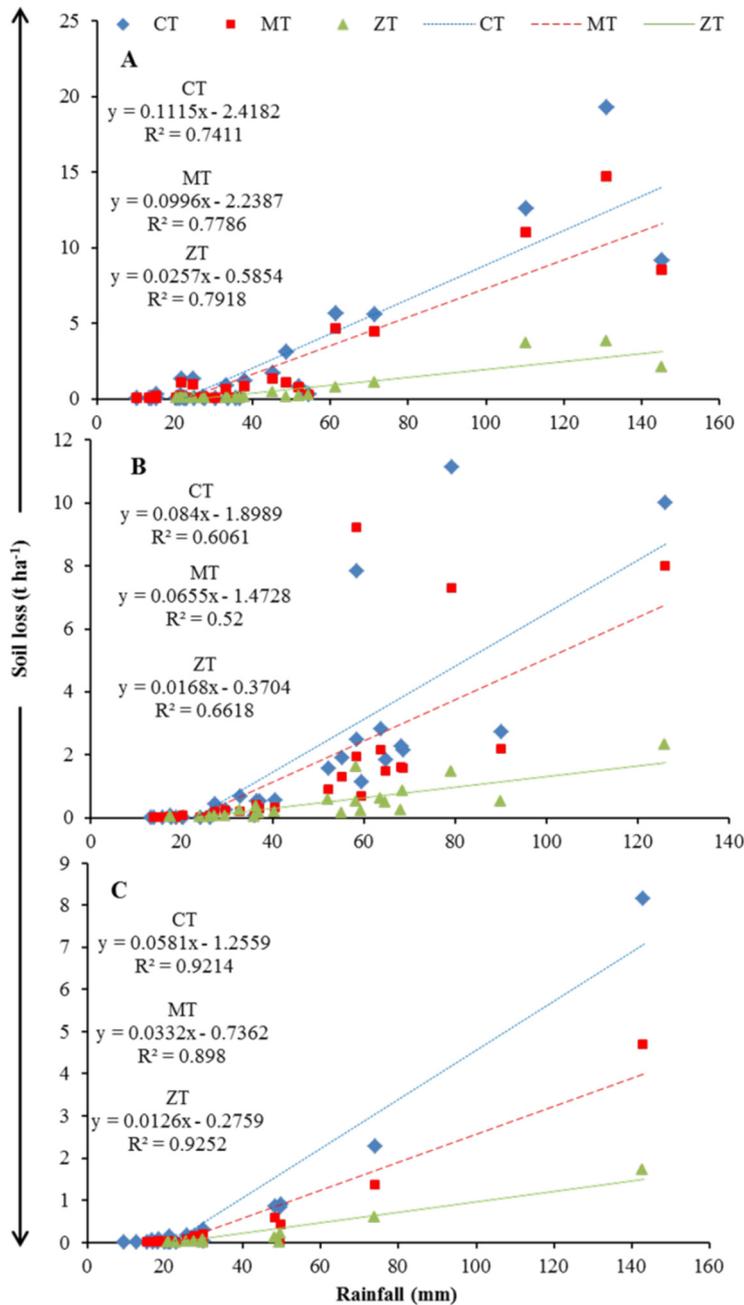


Supplementary Figures

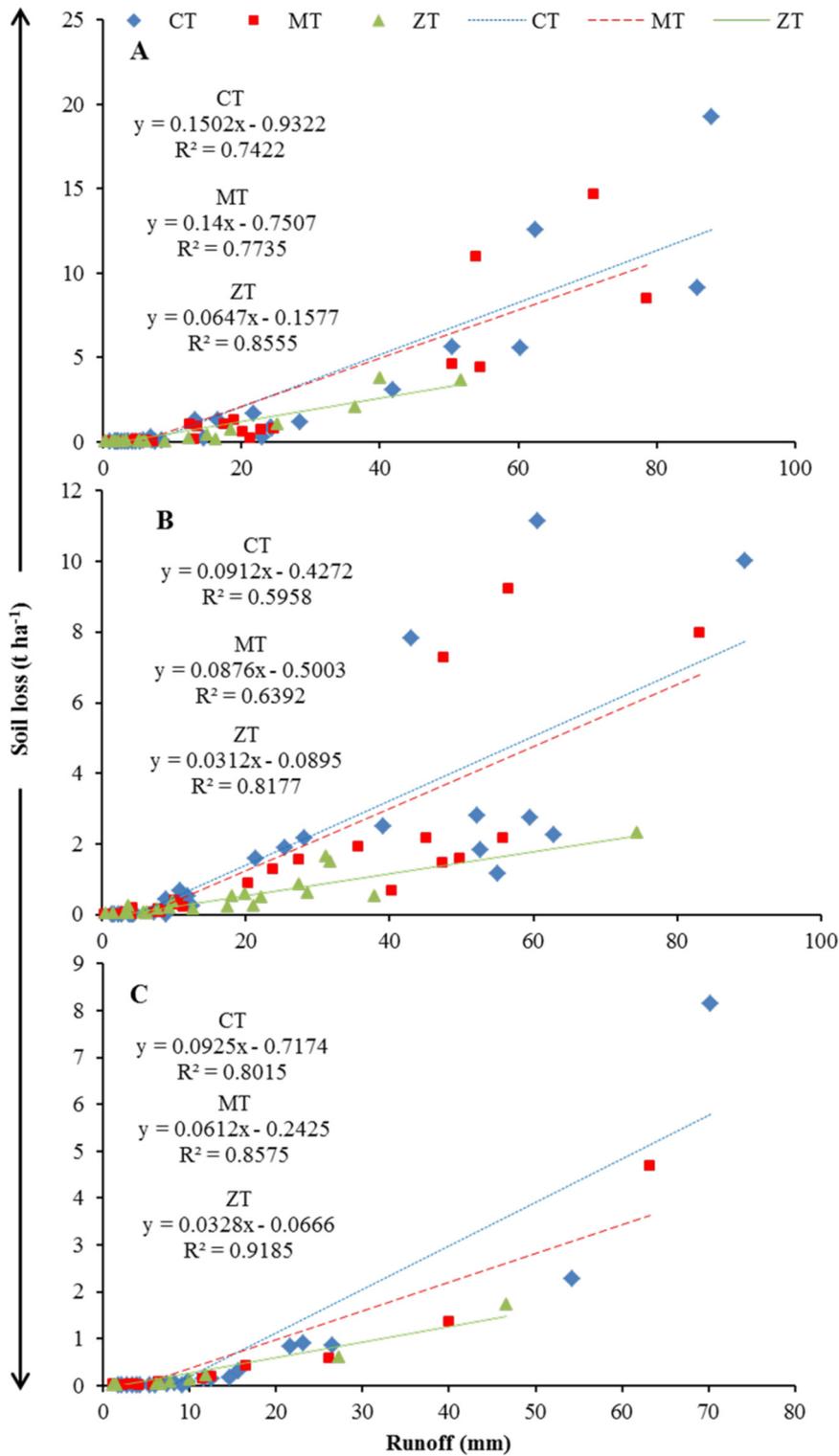


Supplement Figure S1. Relation between rainfall and runoff for different tillage treatments from 2018 to 2020. **A** represents the relation between rainfall and runoff during 2018, **B** represents the relation between rainfall and runoff during 2019 and **C** represents the relation

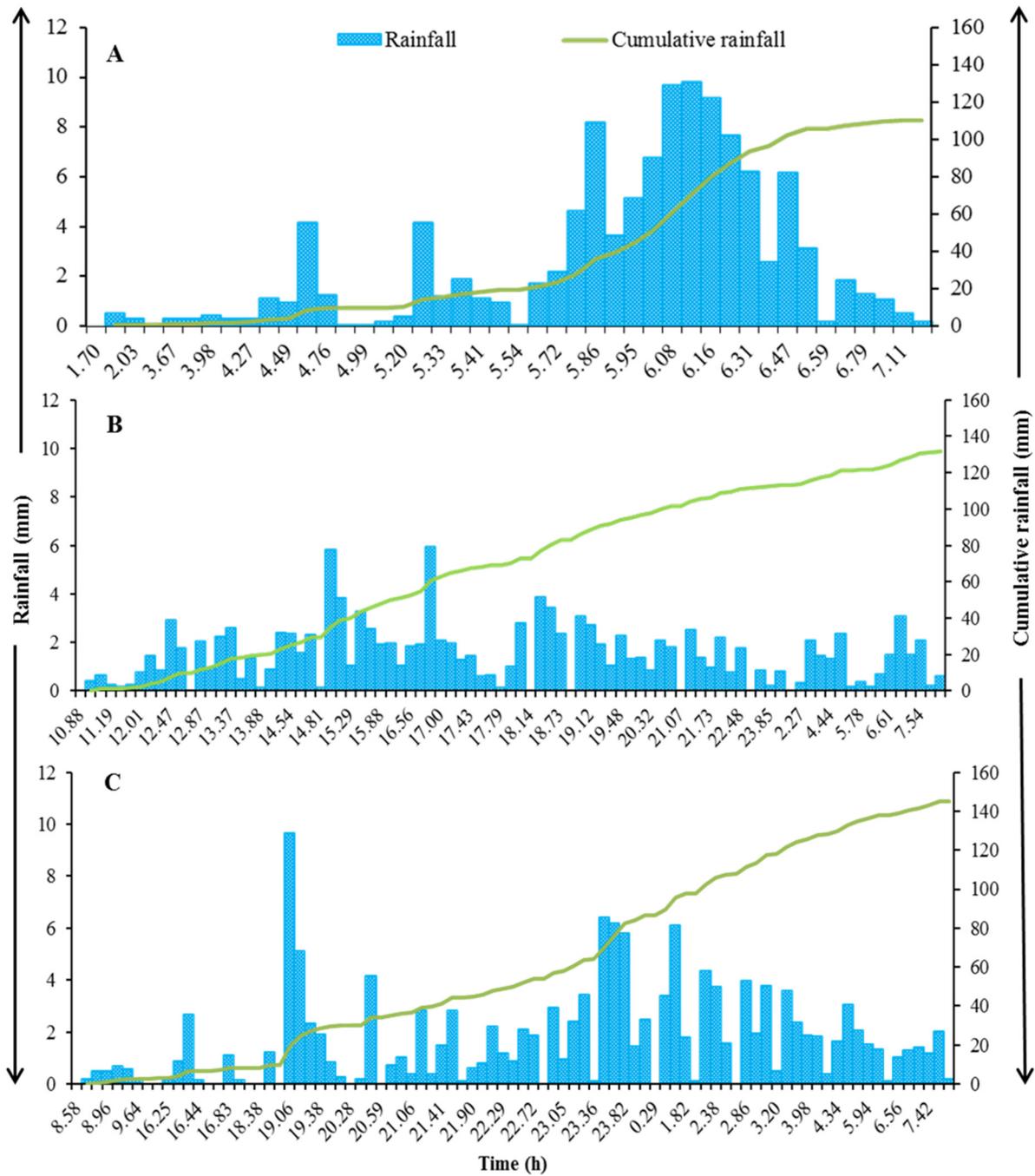
between rainfall and runoff during 2020. Treatments are Conventional tillage (CT), Minimum tillage (MT) and Zero tillage (ZT).



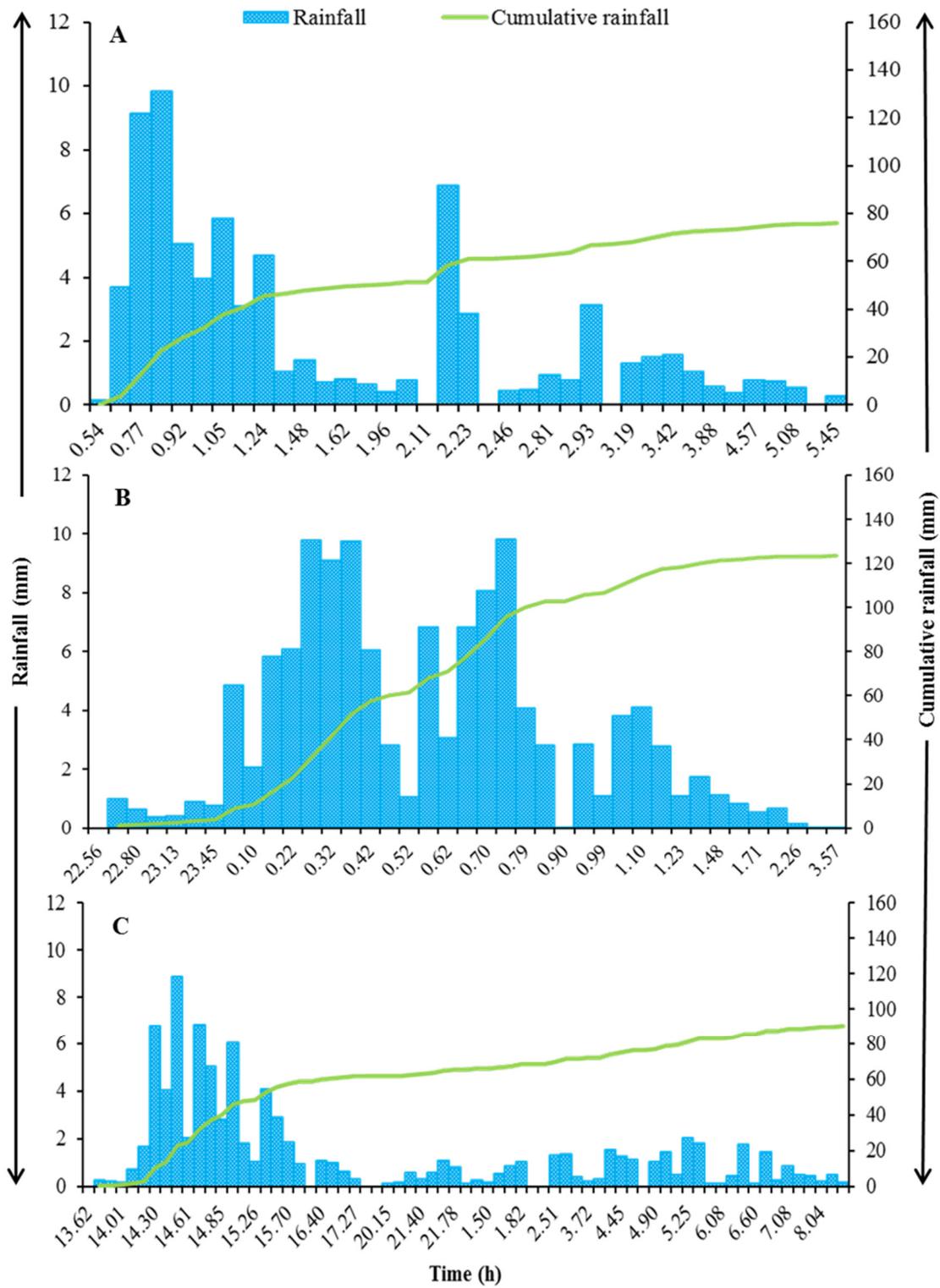
Supplement Figure S2. Relation between rainfall and soil loss for different tillage treatments from 2018 to 2020. **A** represents the relation between rainfall and soil loss during 2018, **B** represents the relation between rainfall and soil loss during 2019 and **C** represents the relation between rainfall and soil loss during 2020. Treatments are Conventional tillage (CT), Minimum tillage (MT) and Zero tillage (ZT).



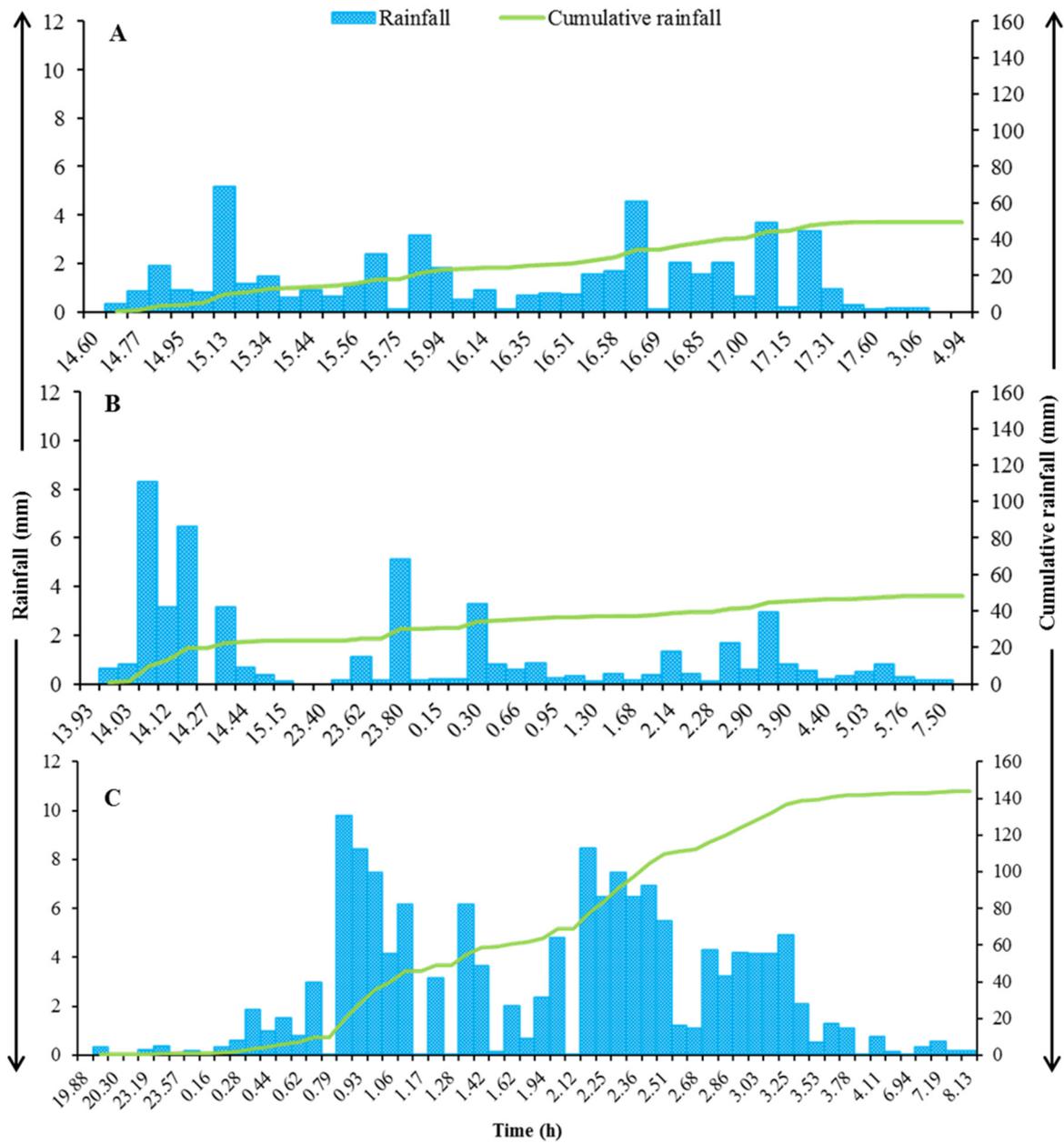
Supplement Figure S3. Relation between runoff and soil loss for different tillage treatments from 2018 to 2020. **A** represents the relation between runoff and soil loss during 2018, **B** represents the relation between runoff and soil loss during 2019 and **C** represents the relation between runoff and soil loss during 2020. Treatments are Conventional tillage (CT), Minimum tillage (MT) and Zero tillage (ZT).



Supplement Figure S4. Characteristics of three extreme rainfall events during 2018.



Supplement Figure S5. Characteristics of three extreme rainfall events during 2019.



Supplement Figure S6. Characteristics of three extreme rainfall events during 2020.



Supplement Figure S7 Plat growth after 10 days from the date of showing under different tillage practices.



Supplement Figure S8. Plant growth after 35 days from the date of showing under different tillage practices.



Supplement Figure S9. Plat growth after 55 days from the date of showing under different tillage practices.



Supplement Figure S10. Two-stage multi-slots devisor with runoff collection tanks