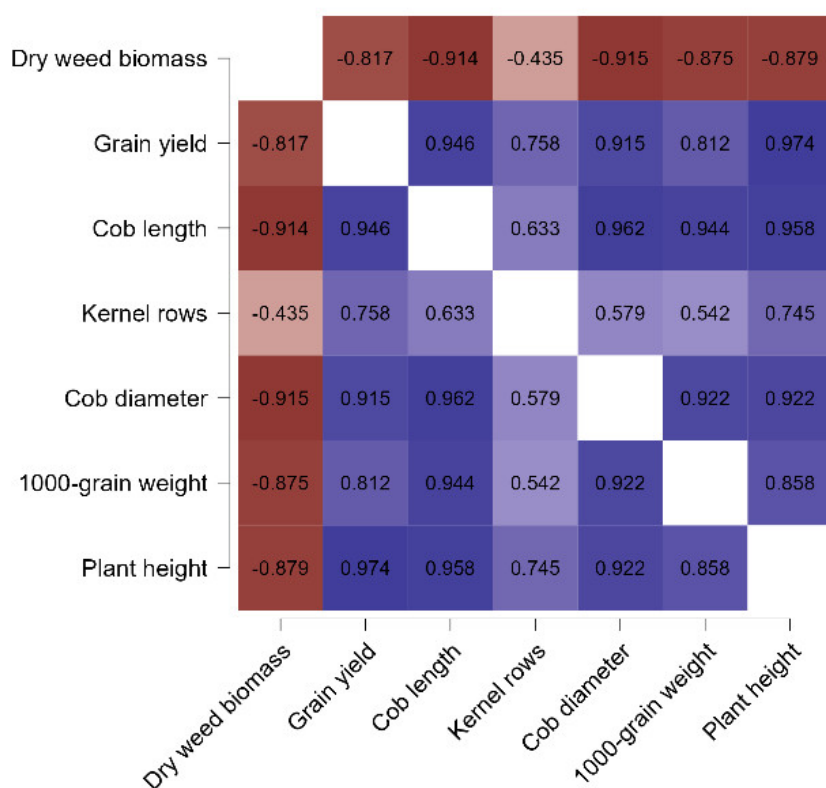
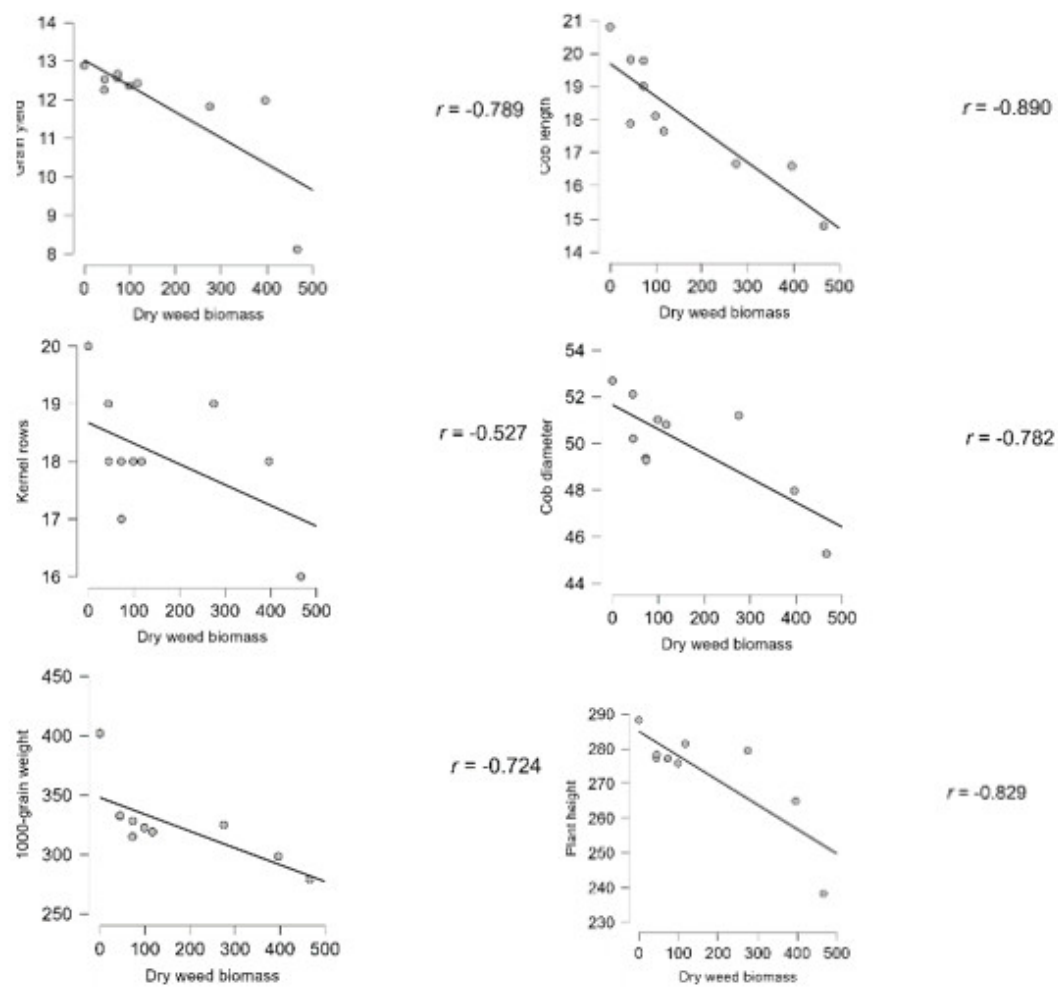


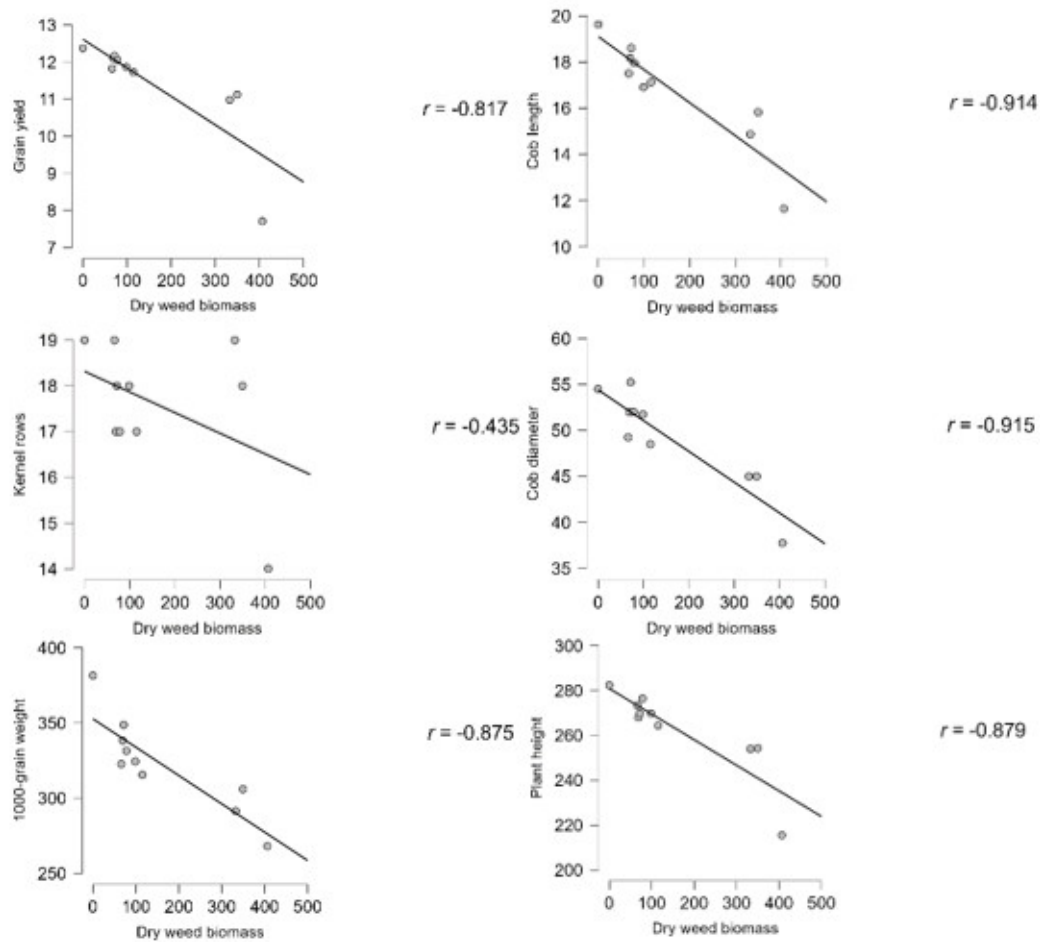
**Figure S1.** Correlation analysis of the estimated parameters for 2019.



**Figure S2.** Correlation analysis of the estimated parameters for 2020.



**Figure S3.** Correlation between dry weight and agronomic parameters for 2019.



**Figure S4.** Correlation between dry weight and agronomic parameters for 2020.

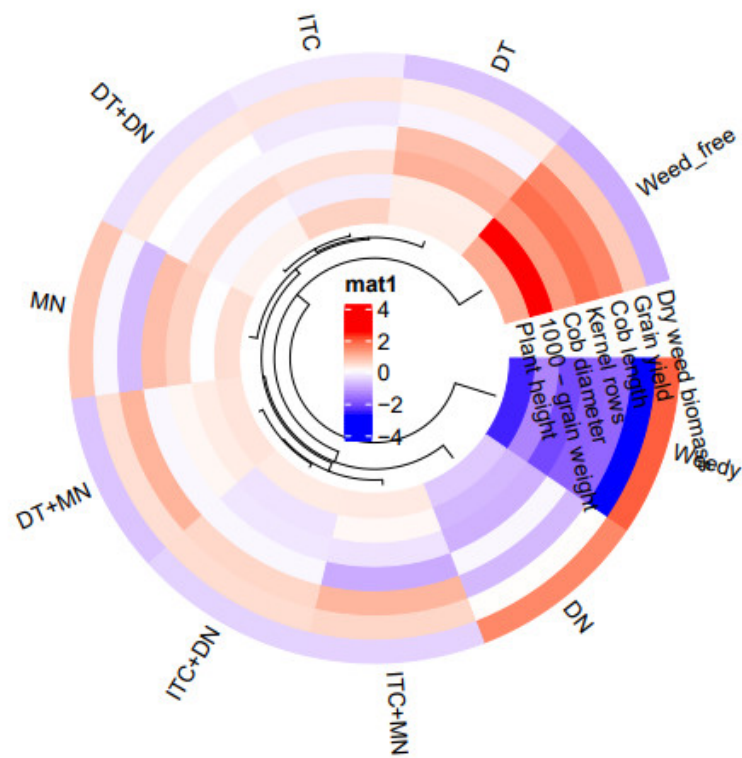


Figure S5. Heat map clustering for 2019.

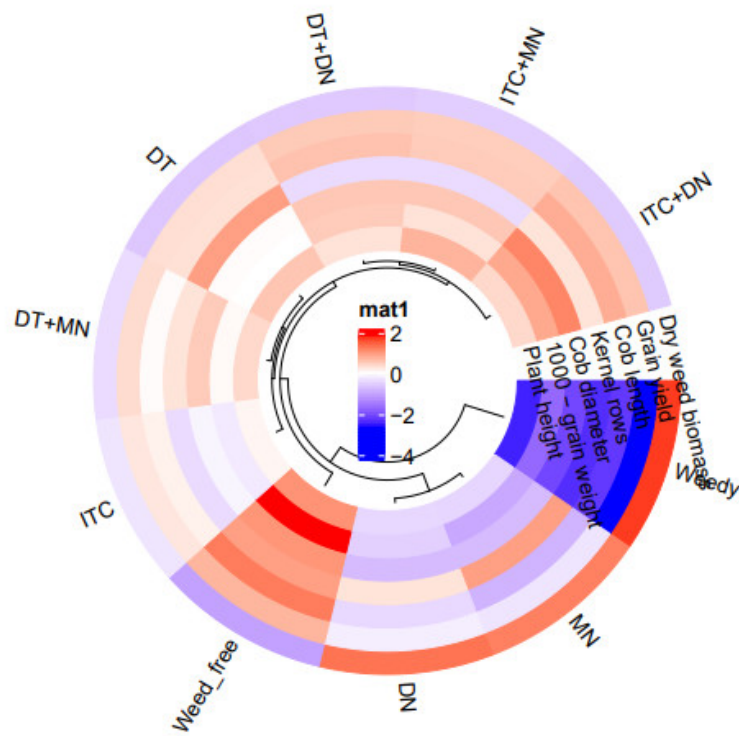
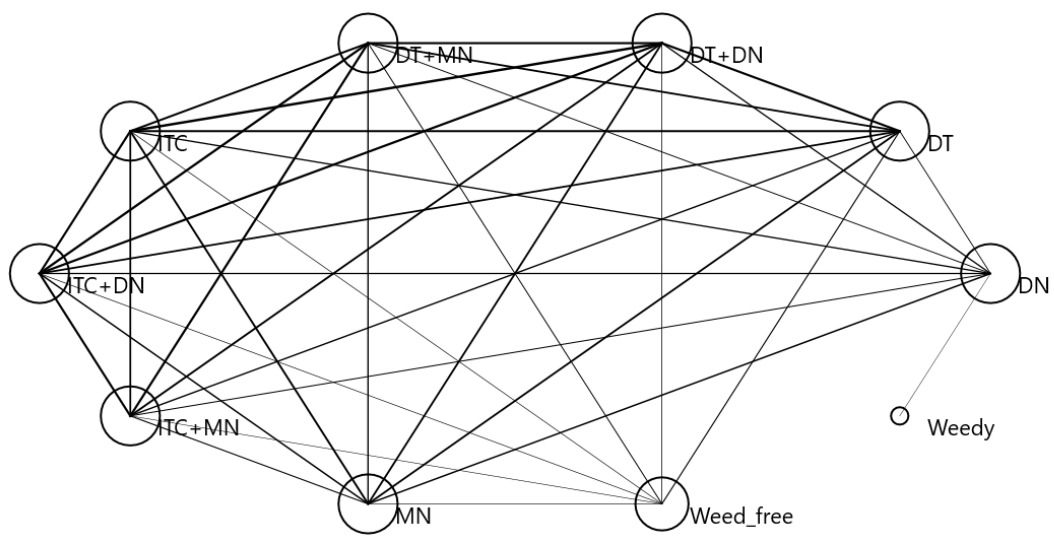
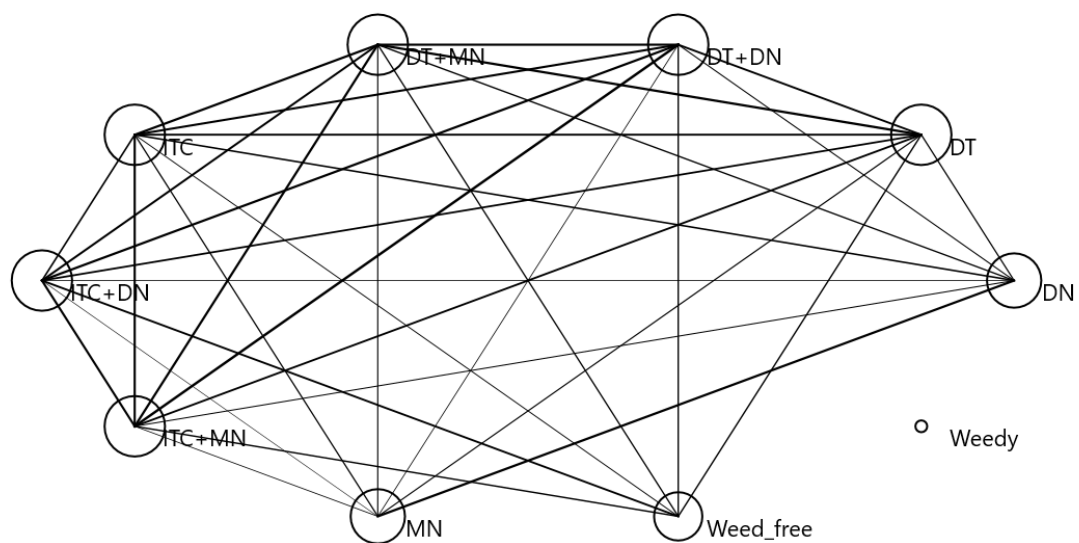


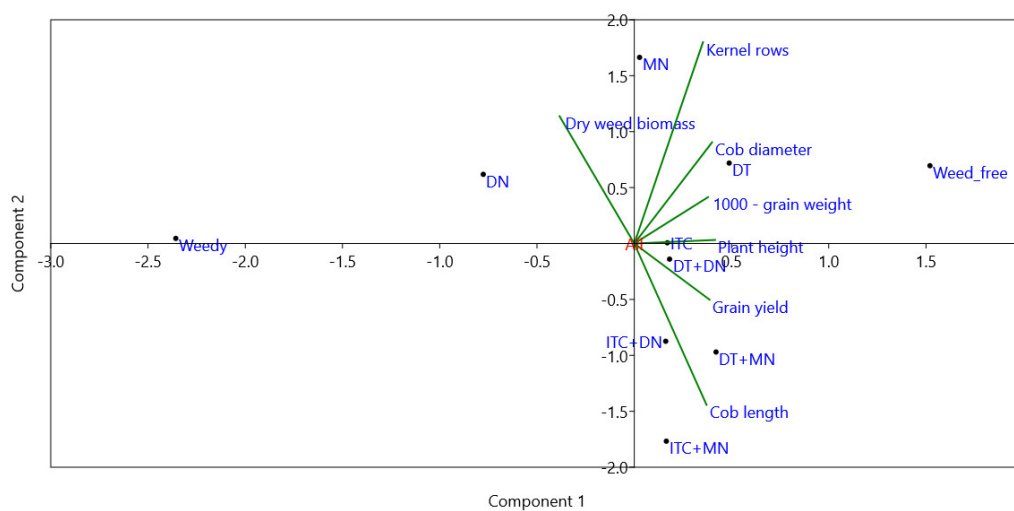
Figure S6. Heat map clustering for 2020.



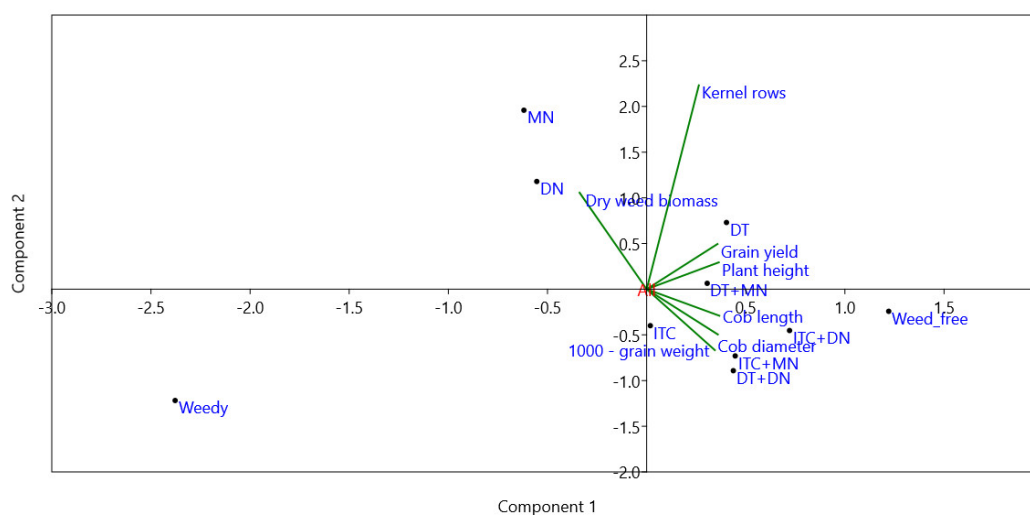
**Figure S7.** Network plot analysis for 2019.



**Figure S8.** Network plot analysis for 2019.



**Figure S9.** Principal component analysis for 2019.



**Figure S10.** Principal component analysis for 2020.



# IMAGES FROM THE EXPERIMENTAL FIELDS













