Review of: "Technological quality of wheat grains and flour as affected by nitrogen fertilization and weather conditions"

Jirui Wang

Potential competing interests: No potential competing interests to declare.

Much research has been done to uncover the relationship among genotype, nitrogen, water, temperature, and wheat quality. This manuscript, “Technological quality of wheat grains and flour as affected by nitrogen fertilization and weather conditions,” reported a study about the technical quality of wheat grains and flour influenced by the interaction among genotype, nitrogen fertilization, and weather conditions in Brazil. This is another case to show that the quality could be affected by the growing conditions in southern Brazil.

There were lots of environmental variates, such as genotype, growth cycle (flowing time), temperature (maximum, average, and minimum), nitrogen supply and time, and water (average and accumulated), in this study. It is not easy to make sure the affection for quality by a certain factor. Even this study might analyze the results under a comprehensive condition.

A negative correlation between HW and TKW was detected in this study. The spiker number and kernels/spike may be added in Table 5.

Though the authors assayed ten wheat cultivars/genotypes as samples, the farmers in this wheat growing area may still be hard to select suitable cultivars that adapt to specific environmental conditions.