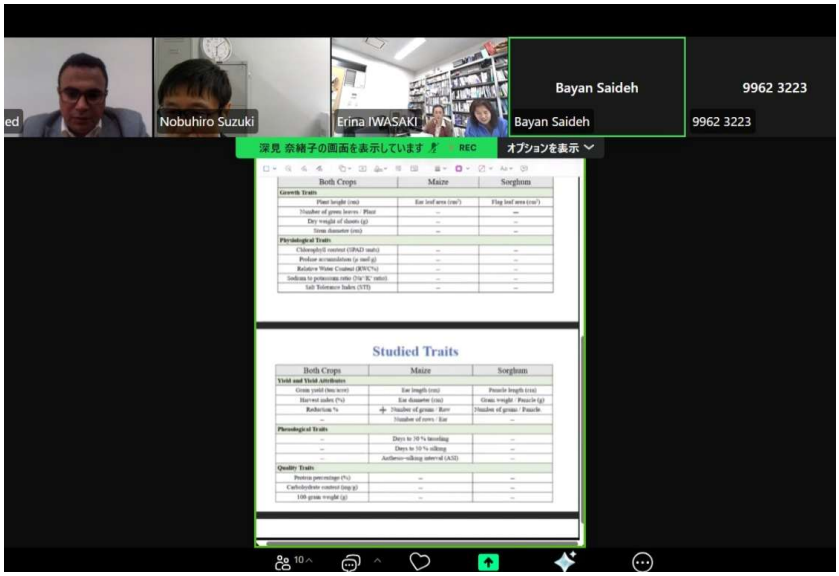
2026
06
SATREPS Project-SOS-WAHA
NEWS LETTER

Oasis Agriculture Meetings

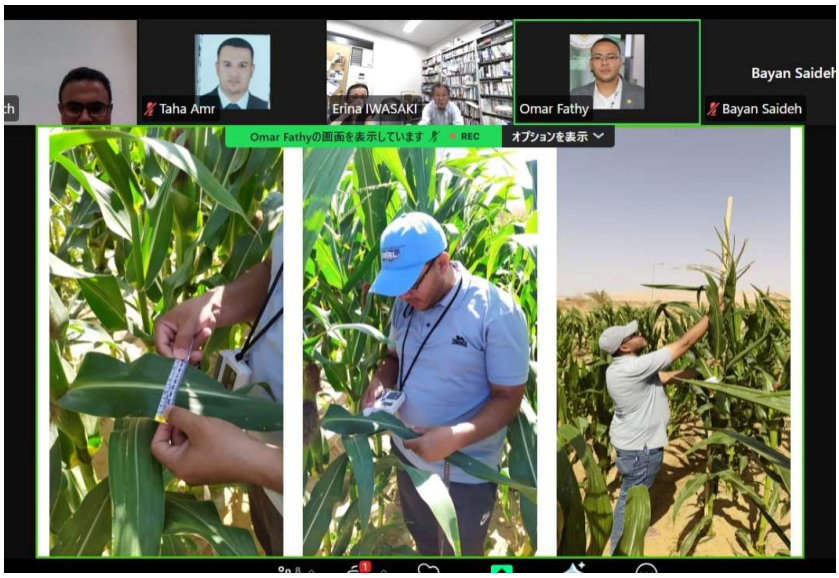
June 1

Mr. Omar Fatih presented his research design on salt tolerance in maize and sorghum cultivars.
The second planting will begin on June 2 with an improved experimental design, including increased replications and larger plot sizes. Soybean and peanut experiments will employ furrow irrigation instead of sprinklers to mitigate heat stress concerns.



June 16

The meeting focused on reviewing the progress of agricultural experiments, particularly maize and sorghum studies, and on planning upcoming soybean and peanut trials. The team discussed various parameters being measured, including plant height, chlorophyll content, leaf area, and flowering dates. Dr. Nobuhiro Suzuki emphasized the importance of integrating these multiple parameters effectively to evaluate salt tolerance. Dr. Khaled Abdelhafez explained that these characteristics were being measured to identify promising genotypes for salinity tolerance and potential cultivation in the New Valley environment.
Regarding the upcoming soybean and peanut experiments, three genotypes of each crop are planned for testing under normal conditions only.



June 29

Mr. Omar Fatih presented updates on maize and sorghum experiments conducted at two locations with different salinity levels, including measurements of plant height, leaf area, and chlorophyll content.
Dr. Donghe Xu provided feedback, suggesting that priority measurements should focus on sodium and potassium concentrations in leaves rather than analyzing numerous physiological traits, given the large scale of the experiment.

What's NEW @ NVU Farm

A tractor was delivered to the farm, and Mr. Ashraf, an agricultural worker, together with Mr. Omar, a graduate student, have been engaged in farming activities.

Digital Platform Meeting

2026-June-14

Dr. Marwa Sayed and Mr. Shuyo Nodasaka reported that the first version of the mobile application was expected by the end of June. The group emphasized the need to define clear user requirements and basic functions for the platform, such as enabling farmers to report water leaks, canal damage, and pest issues.
Dr. Masaru Mizoguchi stressed that the platform should initially focus on one or two key issues rather than attempting to address everything, suggesting that the team start with simple tasks and expand later. The results of farmer focus groups conducted in April and May were also reviewed, revealing that farmers are more concerned about palm tree growth, fertilizer, and soil issues than water problems, contrary to the initial assumptions.