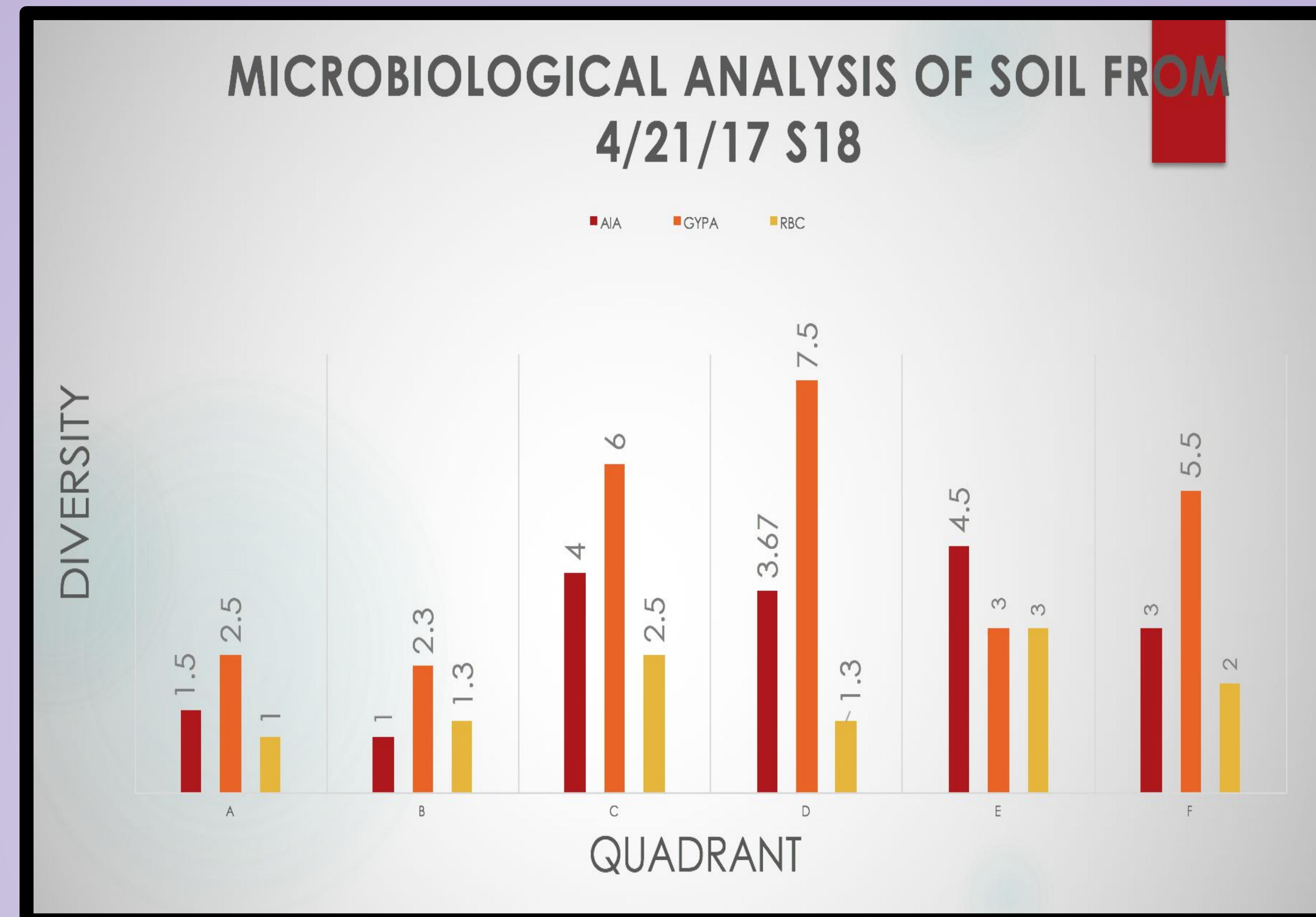
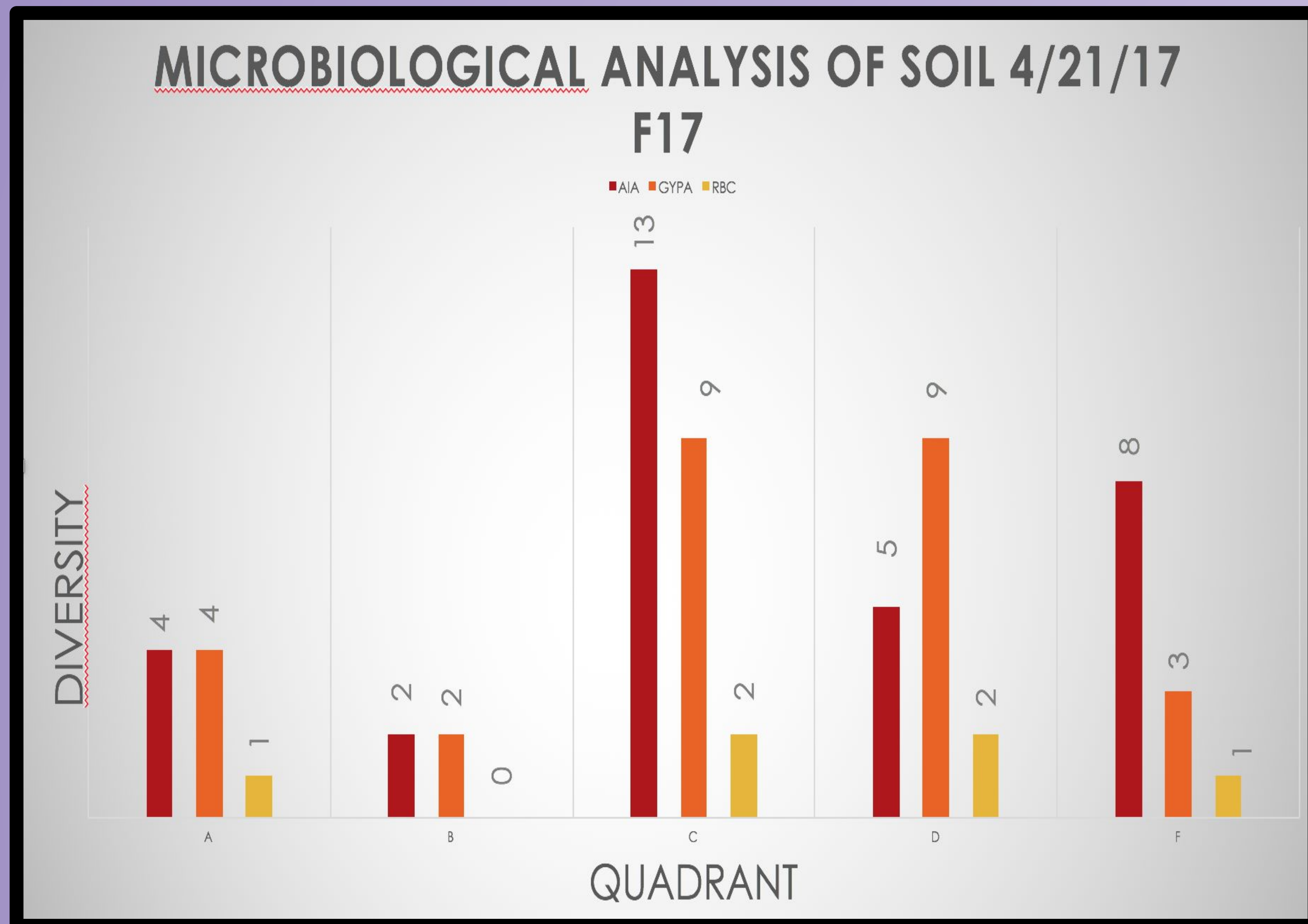


Soil Microbial Diversity of Urban Tilth

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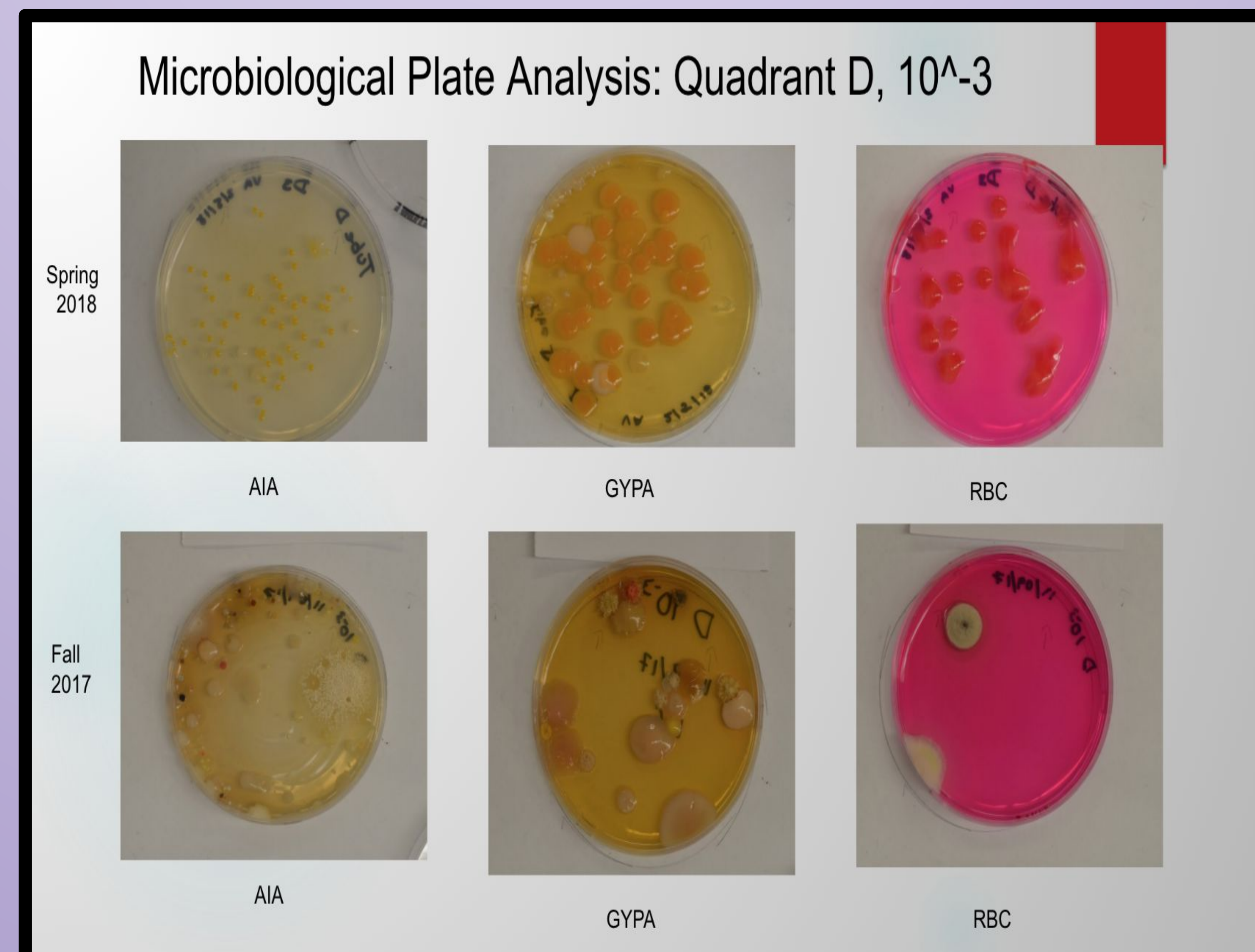
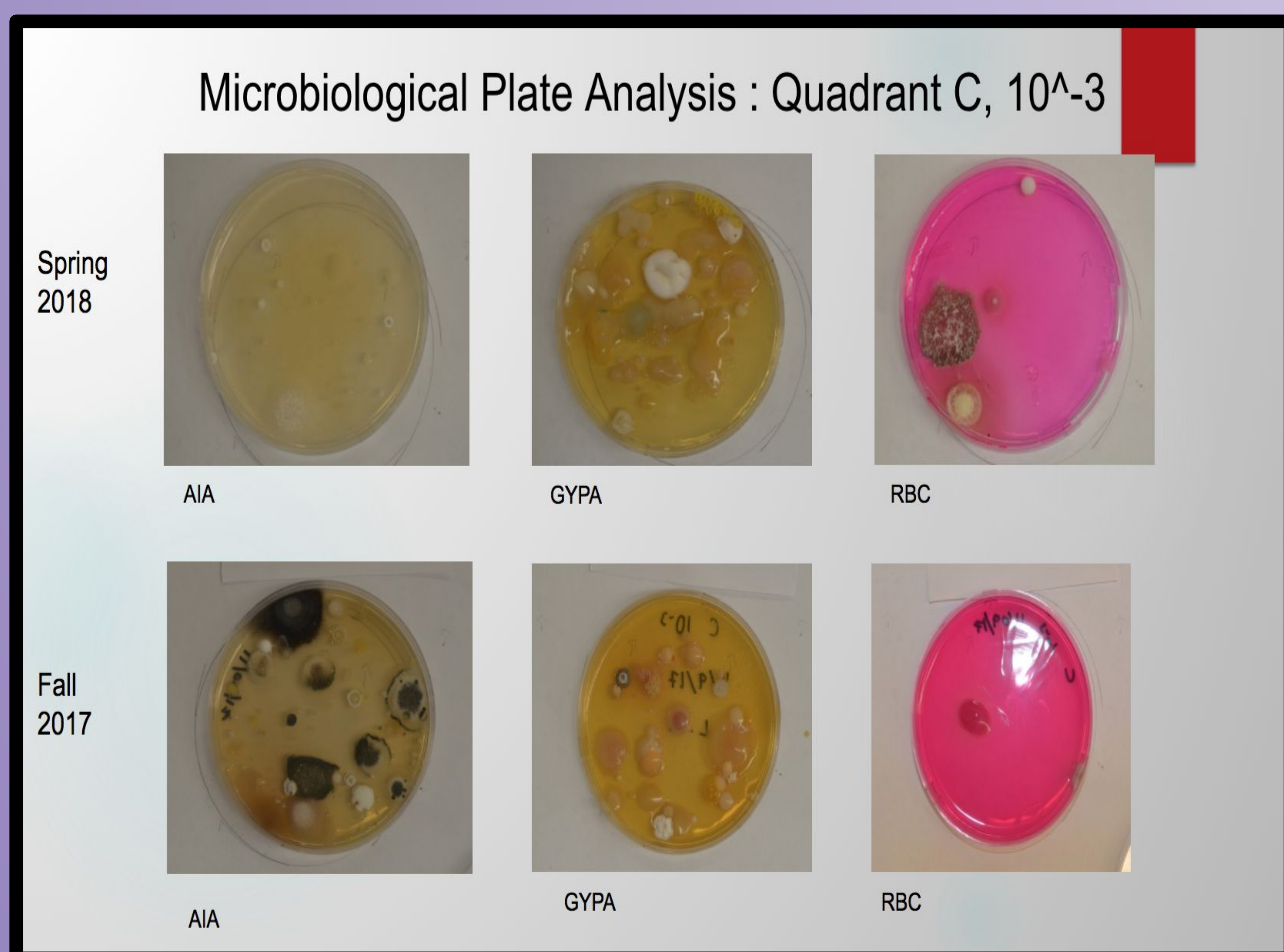


Procedure:

Soil samples collected from different quadrants of Urban Tilth were initially diluted via a serial dilution.

The soil solution was aseptically inoculated onto plates of three different media types, GYPA, AIA, and RBC. These various media types provided nutrients necessary for bacterial and fungal cultures to grow.

After a week of incubation, a microbiological analysis was conducted. Factors such as diversity, colonial growth, and morphology were recorded.



Conclusions

By analyzing data collected in Fall 2017 and Spring 2018, we found that certain quadrants were more diverse than others.

Quadrants C, D, and F showed more diversity in microbe growth than the other quadrants of the farm. Both data sets confirm the difference in diversity.