



Brazilian Agricultural
Research
Corporation

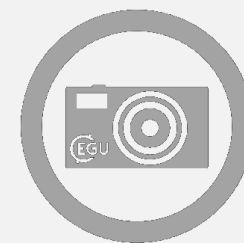


How do runoff and soil loss vary over time in subtropical areas?

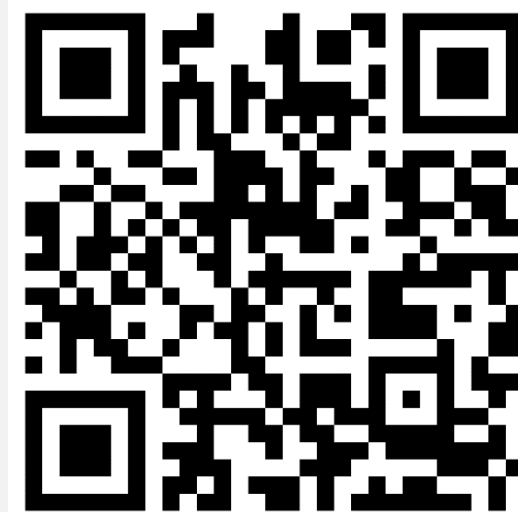
Dimaghi Schwamback

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Felipe Zepon; Lucas Scutti; Luis Castro; and Edson Wendland

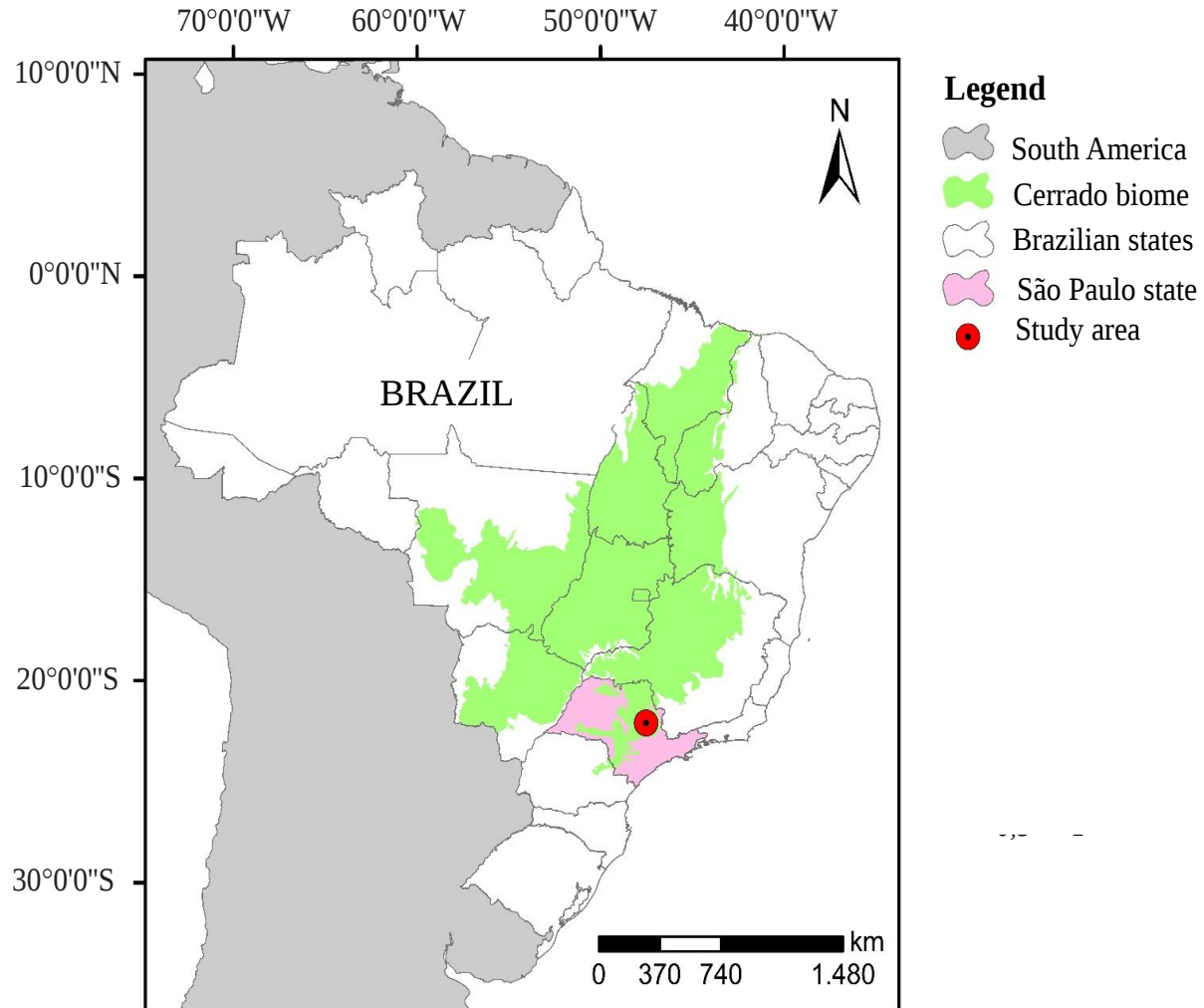
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Sharing is
encouraged



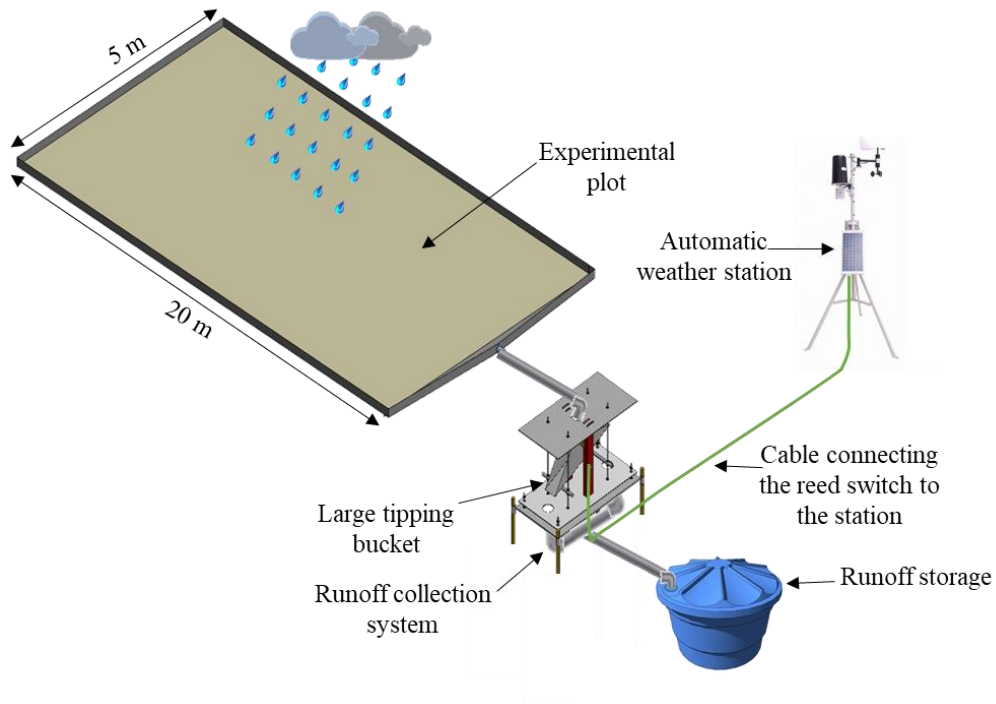
OBJECTIVE



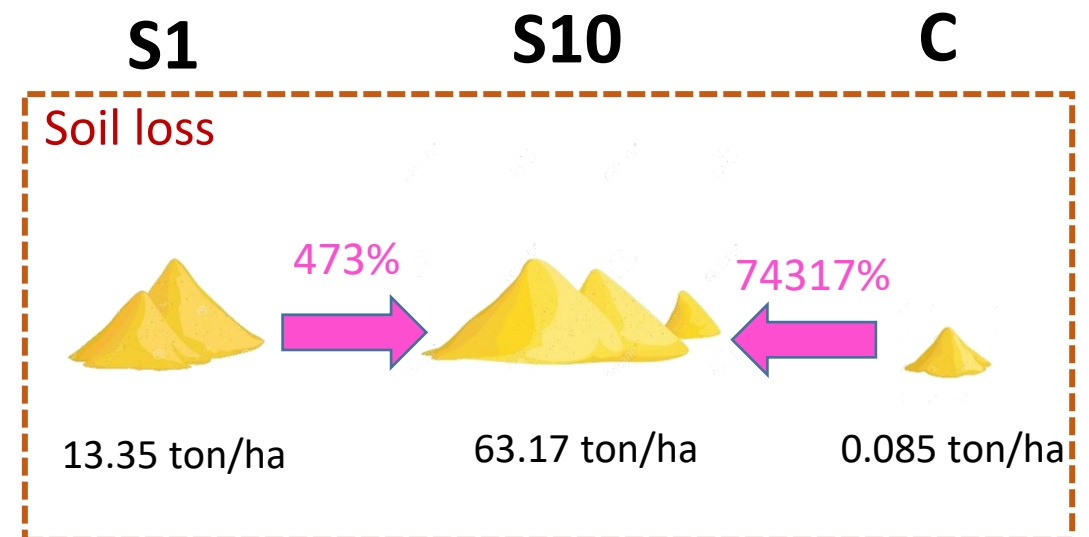
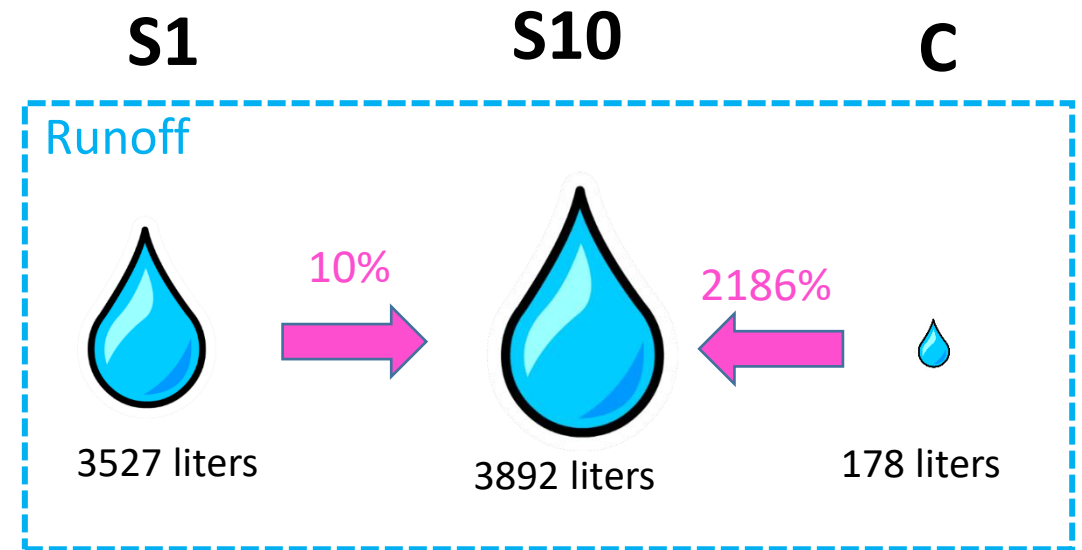
- Investigate the temporal component (10 years) affects in the runoff and soil loss on a typical soil found in the Cerrado biome (Brazilian Savannah).

METHODOLOGY

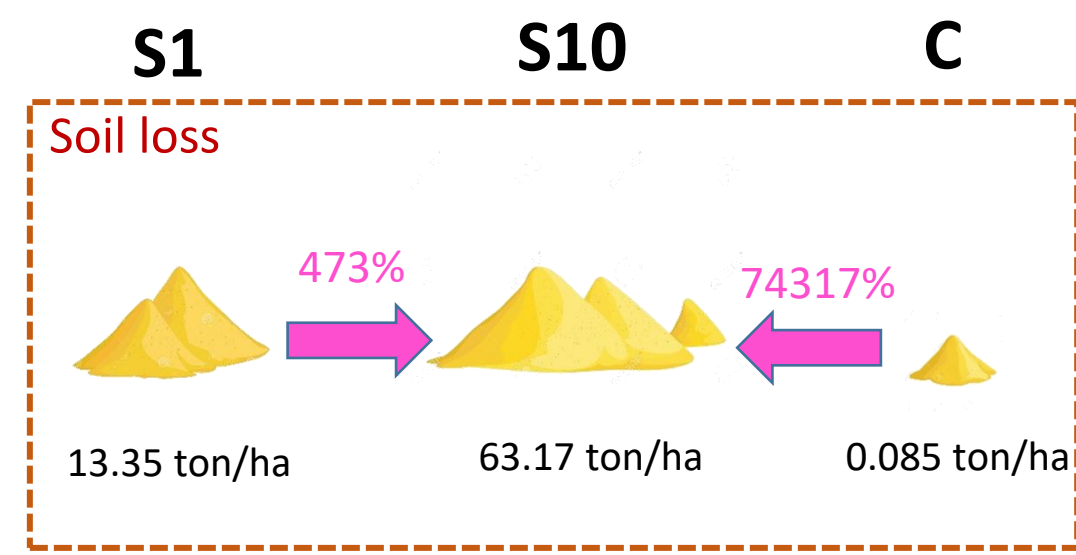
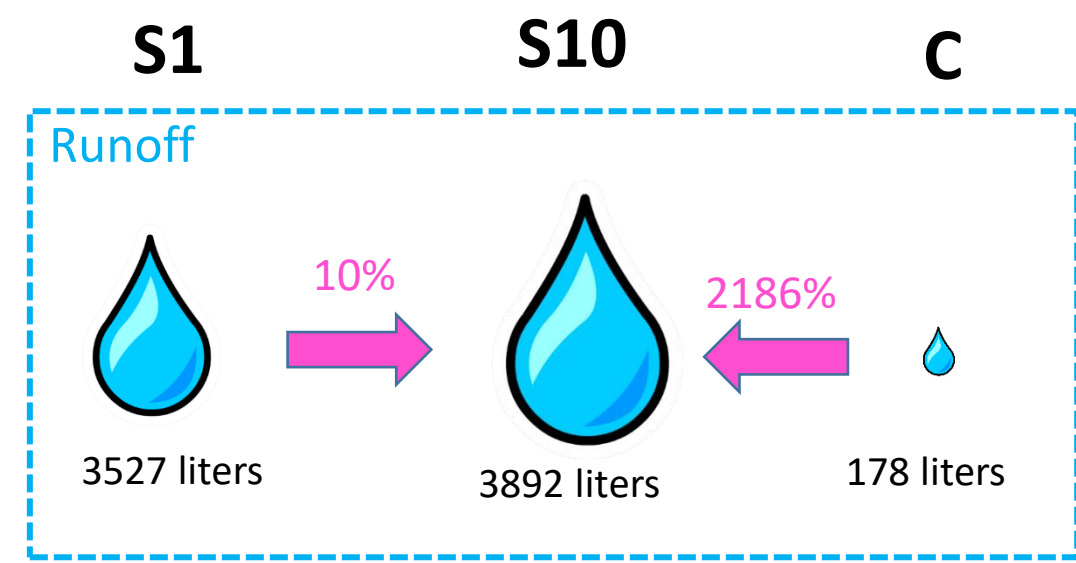
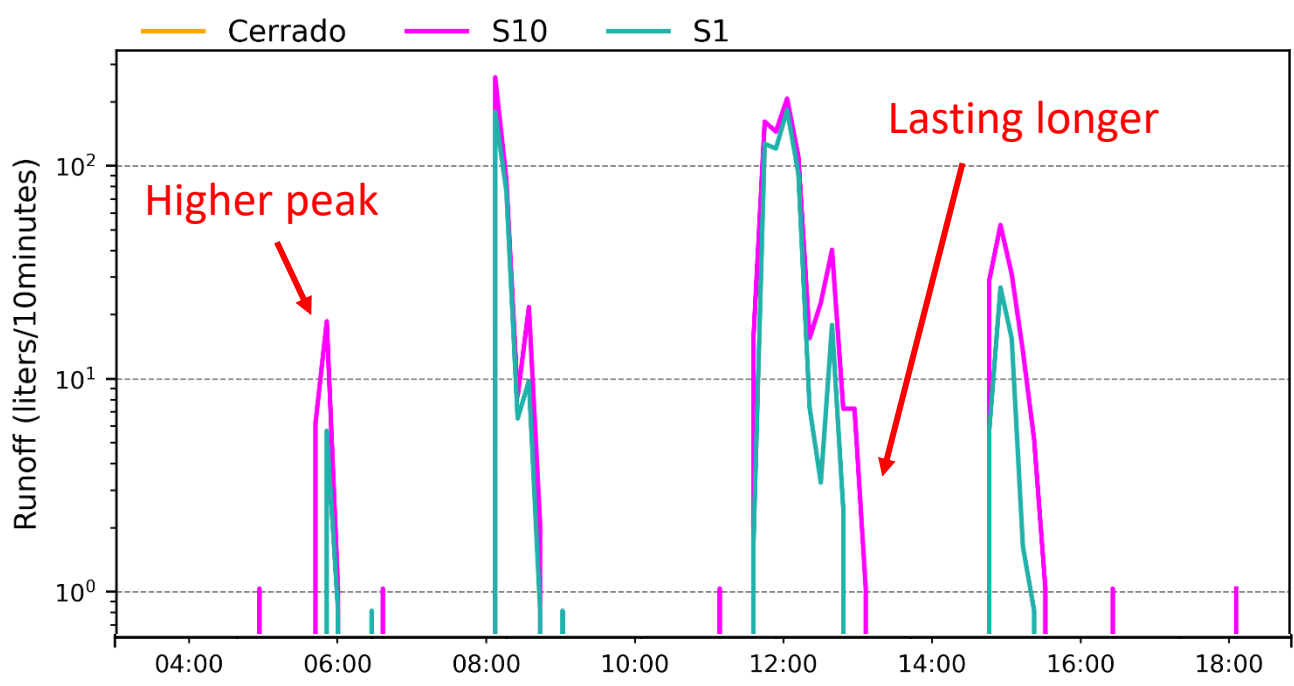
Study area



RESULTS



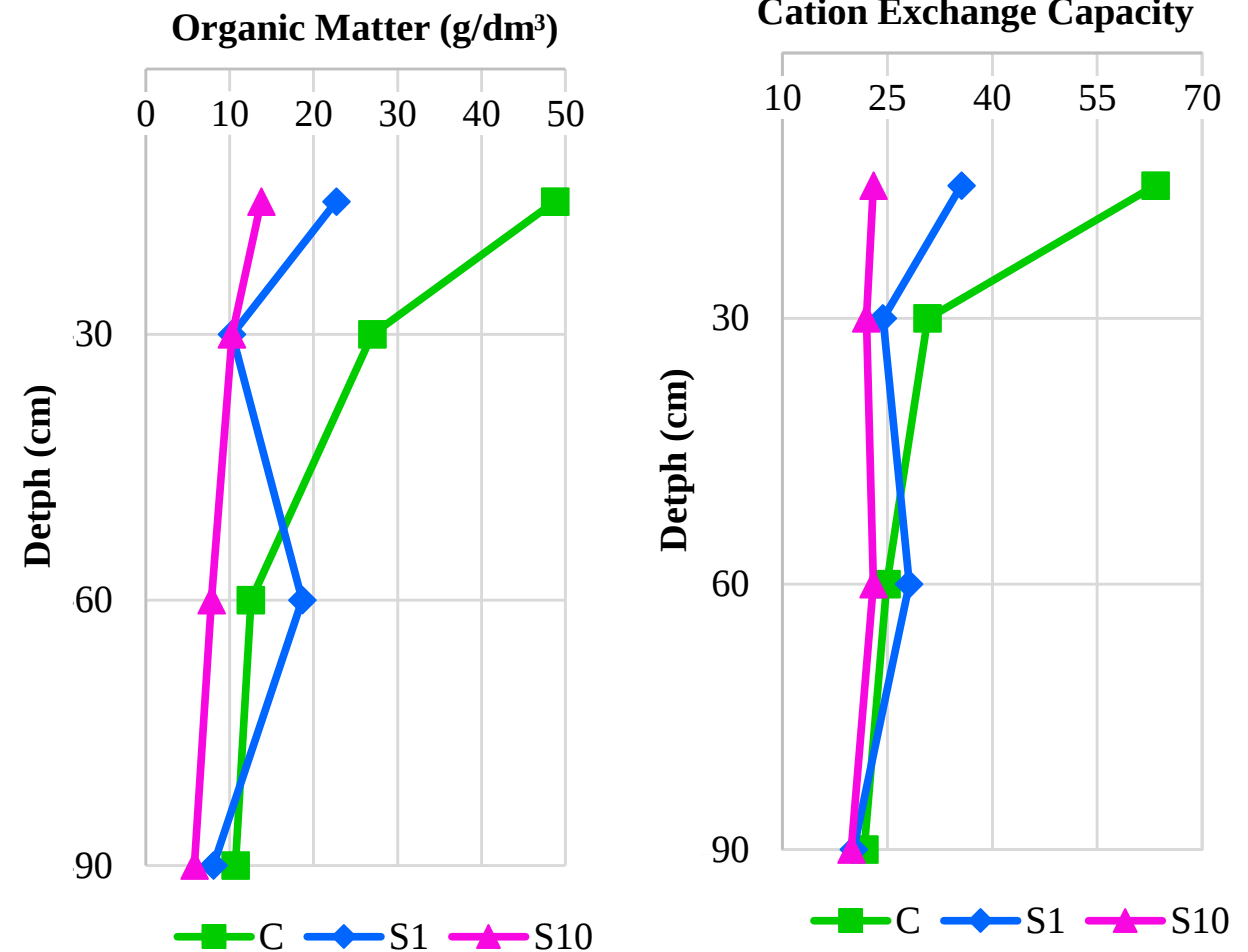
RESULTS



RESULTS

Soil physical and chemical analysis

- ❑ OM: S10 has 355% less than C and 165% less than S1;
- ❑ CEC: S10 has 275% less than C and 154% less than S1.



CONCLUSIONS

- ❑ Time interferes on hydrological responses: Increasing soil loss and runoff (volume, intensity and duration);

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- ❑ Time interferes on hydrological responses: Increasing soil loss and runoff (volume, intensity and duration);
- ❑ Additionally, time also interferes on soil components: Decreasing organic matter and cation exchange capacity.

How do runoff and soil loss vary over time in subtropical areas?

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Questions and
suggestions?

