

Comparative Study on the influence of Liquid Fertilizers on Cabbage Growth and Productivity

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INTRODUCTION & AIM

Why **LIQUID FERTILIZERS**?

❖ As eco-friendly alternatives to conventional chemical inputs for a sustainable agriculture.

Aim :

❖ To examine the impact of different liquid fertilizers on the growth and yield of Cabbage (*Brassica oleracea* var. *capitata*) under insect-proof net house conditions.



Figure 01: Fermented cow urine as a liquid fertilizer

METHOD

Flow chart 01: Processes



Step 01:

- Pot experiment
- Ten replicates
- Four treatments
- CRD method



Step 02:

- Liquid fertilizer application
- Monitor and observe the growth conditions.



Step 03

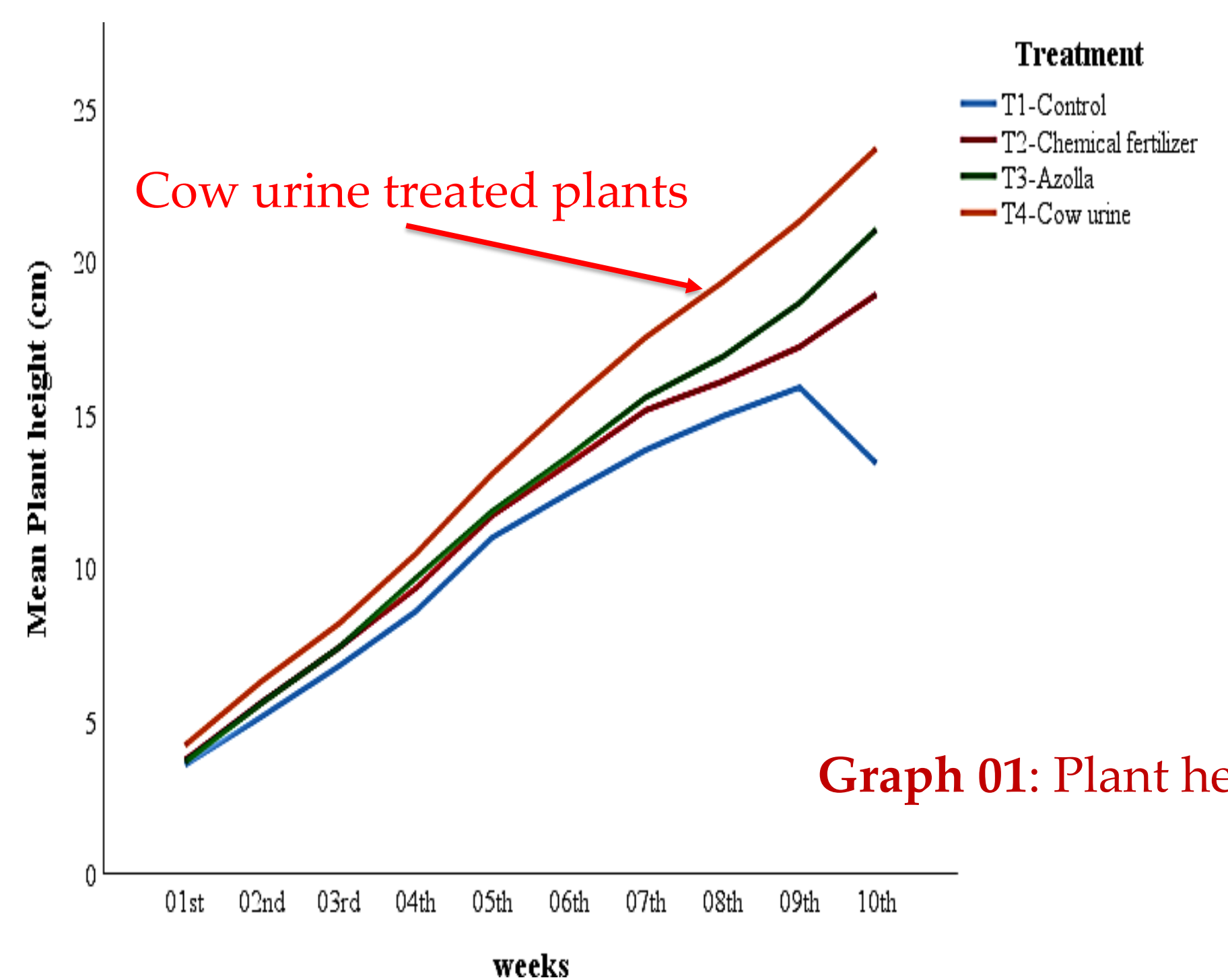
- Harvesting
- Measure yield components.

Table 01 : Foliar treatments

Treatment Number	Liquid fertilizer
T1	control
T2	chemical growth promoter
T3	Azolla
T4	Cattle urine

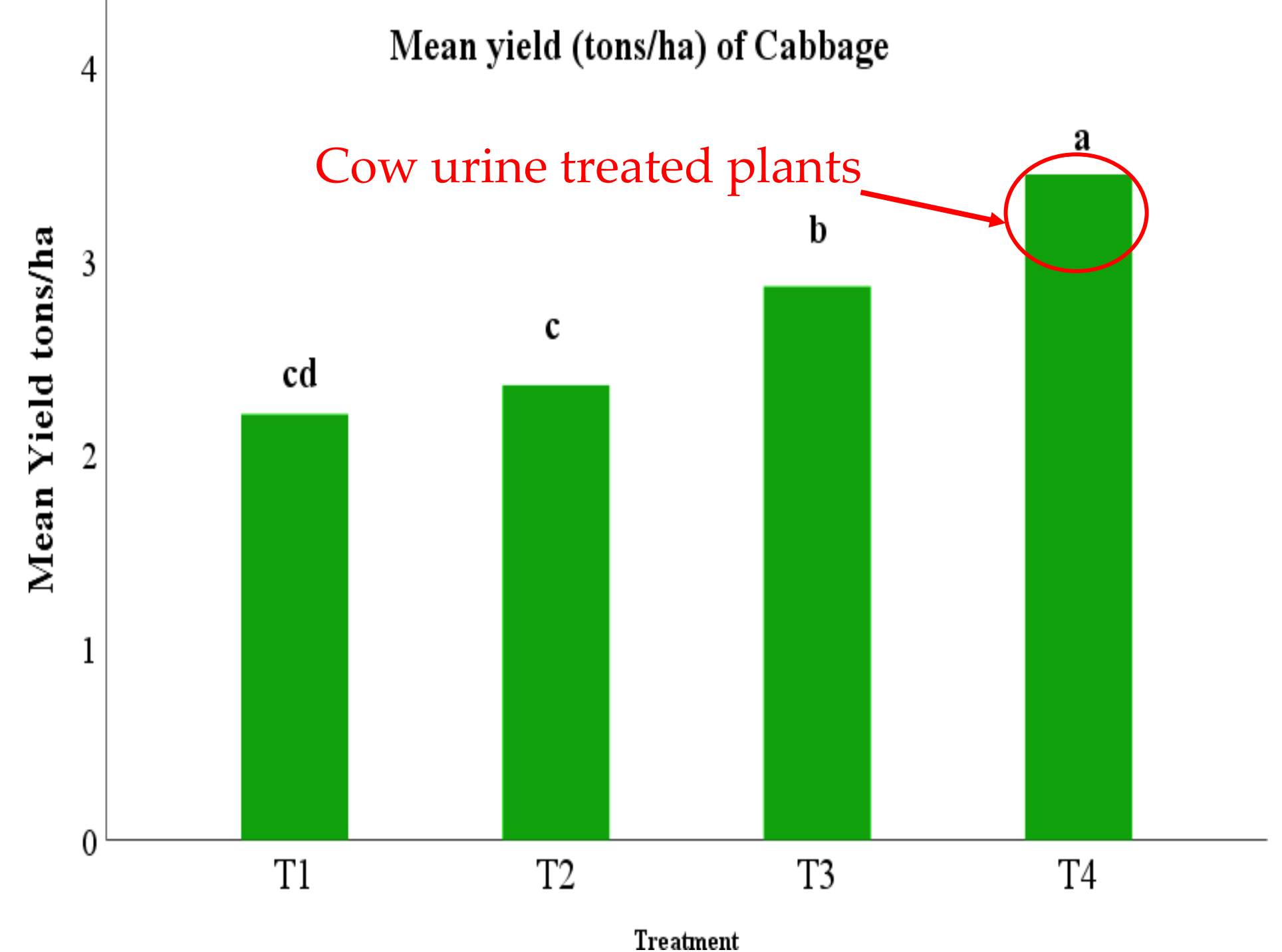
RESULTS & DISCUSSION

❖ Growth parameters



Graph 01: Plant height

Graph 02: Total yield



CONCLUSION

- ✓ Fermented cow urine (T4) significantly enhanced plant growth parameters and as well as yield parameters.
- ✓ Also fermented cow urine acts as a cost-effective, eco-friendly alternative method.

FUTURE WORK / REFERENCES

- ❑ Much more beneficial results in growth and yield can be obtained by integrating different combinations with cow urine (Ex-: banana pseudostems).