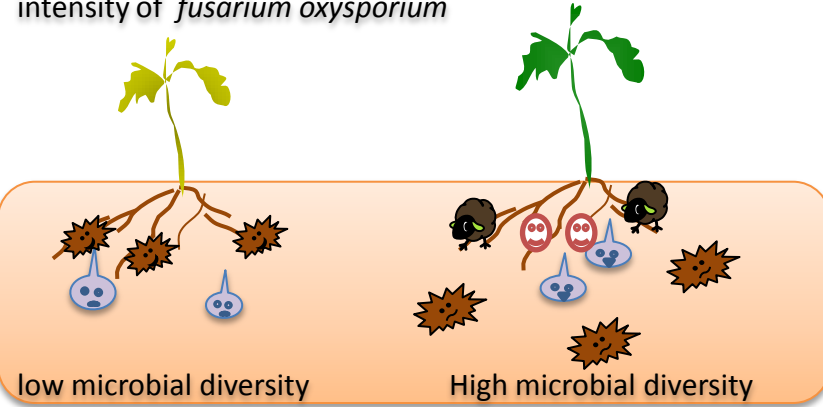


Assessments of fungal community in infected and non-infected soil with *Fusarium oxysporum*.

Rola sameer Mahmoud

High microbial diversity in the soil will tend to lower the intensity of *fusarium oxysporum*

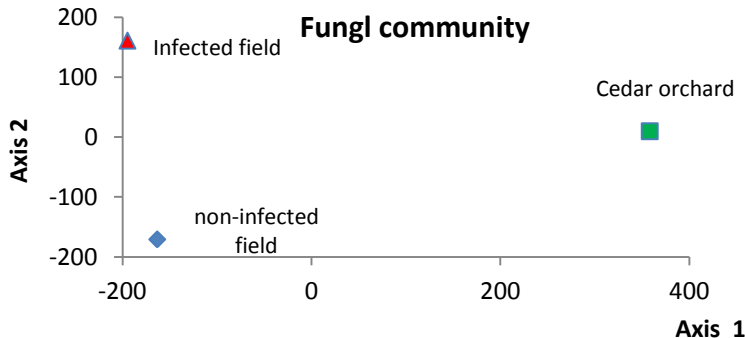


Results

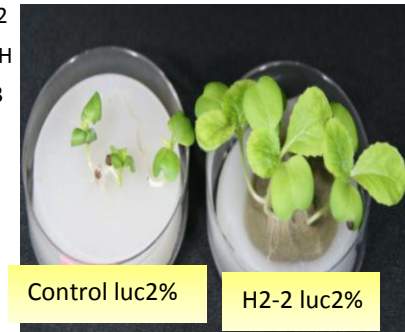
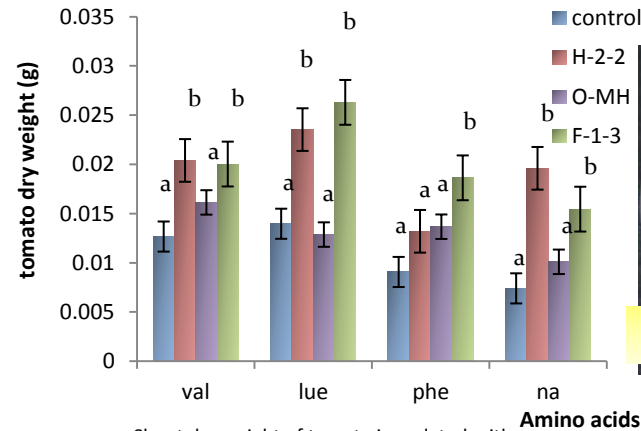
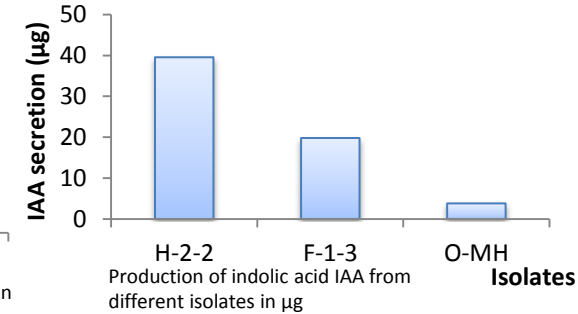
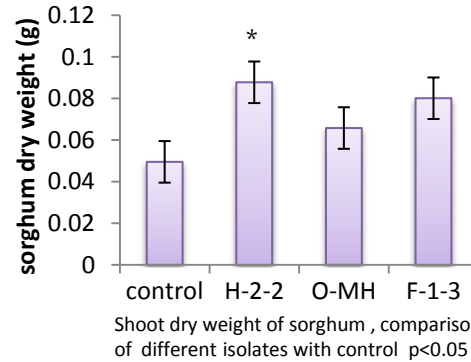
Shannon-weaver index of fungal diversity

fields	Fungi	
	October	may
Cedar orchard	2.5	1.2
Non-infected field	1.9	2.9
Infected field	1.9	2.5

Fungi community



Results



Chinese cabbage growth under 2% Lucien amino acid

Discussion

- ❖ no similarity in fungal community between non-infected and infected soil with fusarium.
- ❖ Endophytic fungi isolated from non-infected fields were able to improve plant growth by producing IAA, and absorbing organic nitrogen.