

What ATTIS® can do for crops

Significantly improved plant biomass under both normal (+27%) and drought-stress conditions (+22%)

EXPERIMENTAL SETUP

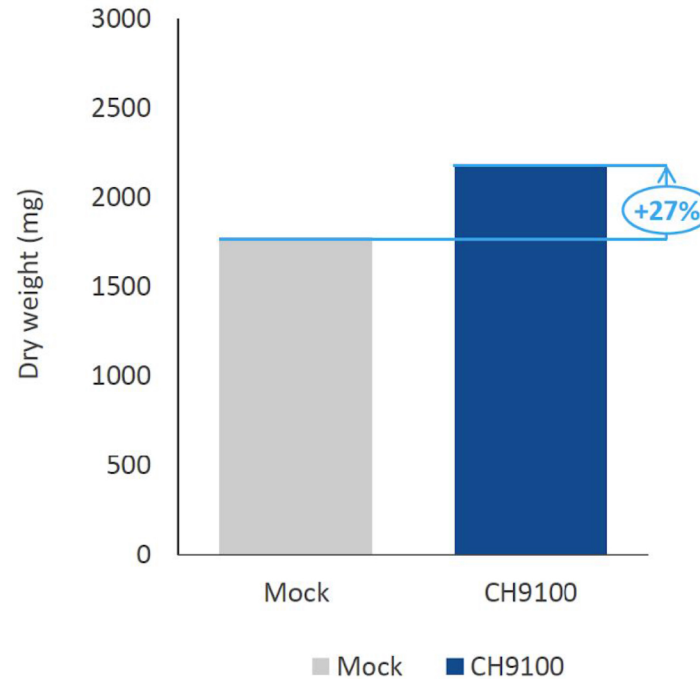
Drought experiment

- Seeds germinated in petri dish; 5 days
- Seedlings transferred to germination pots; 7 days
- Root dipping in $OD_{600} = 0,1$ bacteria suspension, in 10mM $MgSO_4$ and replaced in pots containing soaked soil.
- No additional water added hereafter
- DW calculated 4 weeks after sowing

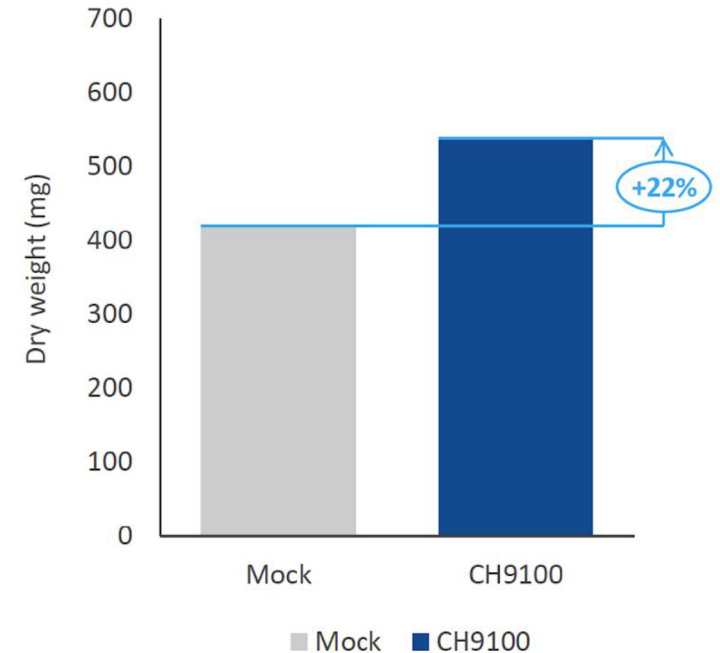
Well watered experiment

- Inoculation of seeds; $OD_{600}=1$ in 10mM $MgSO_4$
- Seeds germinate in petri dish with tap water, 7 days
- Seedlings transferred to 0,5L soil pots
- DW calculated 4 weeks after sowing

CORN – WELL WATERED CONDITIONS



CORN – DROUGHT STRESS



Note: The samples were evaluated for growth utilizing growth chamber experiments and international standard approaches. Data courtesy of Chr. Hansen Applications Lab, Denmark.