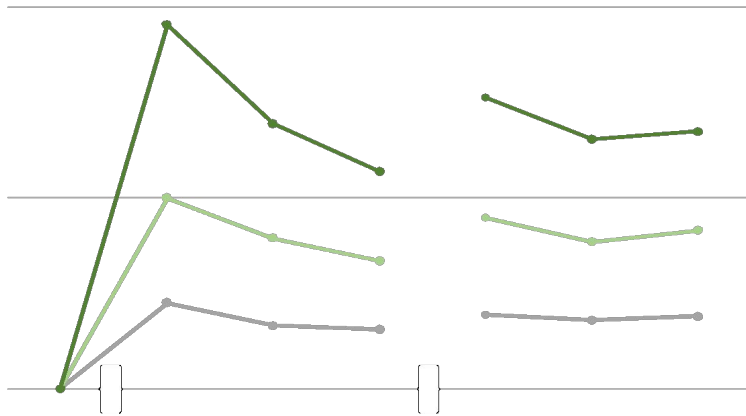


Long-term effects in renaturation trial

CONFIDENTIAL



Control and NOVIHUM-treated areas cultivated identically since NOVIHUM application in 2001

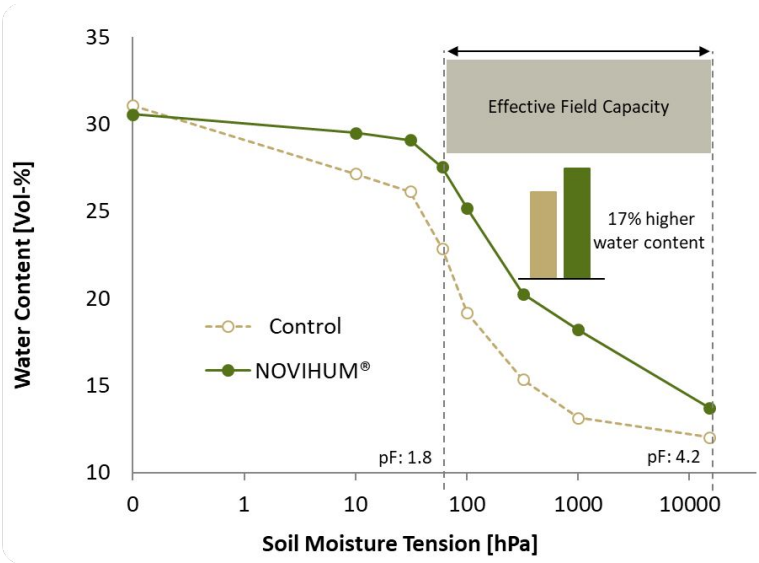
Long-term trial at with Vattenfall and FIB (Germany)

- Trial was set up in 2001 with a single application of NOVIHUM; the results were monitored until 2017
- Intensive crop rotation in all areas, both treated as well as untreated with NOVIHUM. Planting wheat, rye, barley, potato, etc. in a semiarid climatic zone; persistent yield increase
- The original trial used high amounts of NOVIHUM (5 t/ha and higher) due to extreme soil conditions
 - The soil was extremely poor, almost without organic matter (former mining site in Welzow, Germany)
 - The results are valid also for much lower application rates of NOVIHUM (see response curve for cotton and sweet potato)
- **NOVIHUM substantially increases and stabilizes soil organic carbon (SOC) levels; the same effect is also observed in much lower application rates**

Long-term effects in renaturation trial



The control and NOVIHUM[®]-treated fields were identically cultivated following a single application of NOVIHUM[®] in 2001



The effective field capacity of the area treated with NOVIHUM[®] was significantly higher than the control 17 years after the NOVIHUM[®] application