Cultivation of peat soil requires drainage as most crops are intolerant of root-zone

anoxia.

This study attempts to find a water table level that would balance peat preservation

and crop yield.

We used two water table levels and two temperatures to examine the effects on celery yield and GHG emissions.

Raising the water table from -50 cm to -30 cm lowered CO2 emissions, but depressed

celery yield.

CH4 emissions were very low and for the most part not different from zero across all

treatments.