

# Yatir Forest - planted forest, central Israel

*(well study site part of LTER, Fluxnet networks)*



Aleppo Pine (P.  
halepensis )

Med. climate - majority  
of rain falls during  
winter months

Mean annual  
precipitation (285mm),  
Mean annual air  
temperature 18.2 C

[http://www.weizmann.ac.il/EPS/Yakir/sites/  
EPS.Yakir/files/uploads/yatirneworig.jpg](http://www.weizmann.ac.il/EPS/Yakir/sites/EPS.Yakir/files/uploads/yatirneworig.jpg)

# Thinning Experiment in Yatir Forest

Autumn 2009 - forest plots (70m X 70 m) thinned to  
300 trees/ha (approximate baseline)

200 trees/ha

100 trees/ha

**147 trees monitored - stem growth, needle length, PAR, VPD, gas  
exchange (photosynthesis (A) and transpiration (T))**

**Measurements -repeated 5 field days per year**