

Water amount (mm)

Empirical scaling to estimate water use - demonstrates compensation of evaporation

WY
E + I
T

400
300
200
100
0

100 t ha⁻¹

200 t ha⁻¹

220 t ha⁻¹

300 t ha⁻¹

Stand density (t ha⁻¹)

← Thinning ←

60

160

70

32

145

112

19

141

129

124

167

Empirical results show a trade off such that thinning doesn't increase water yield - Evaporation increase balance transpiration decreases

Can we use the model to see if this generalizes through time (filling in the gaps) and across a broader range of climate forcing (beyond the 2 years of measurements)