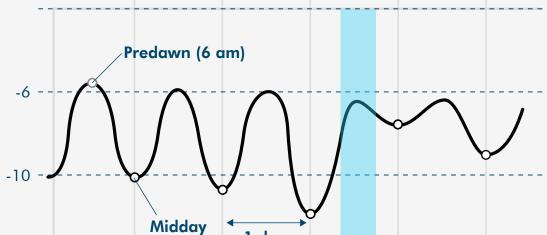


Using Tree Water Potential for Irrigation

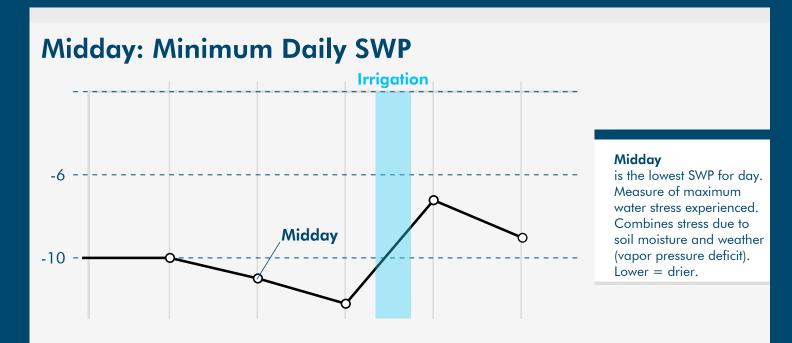
Stem Water Potential (SWP)



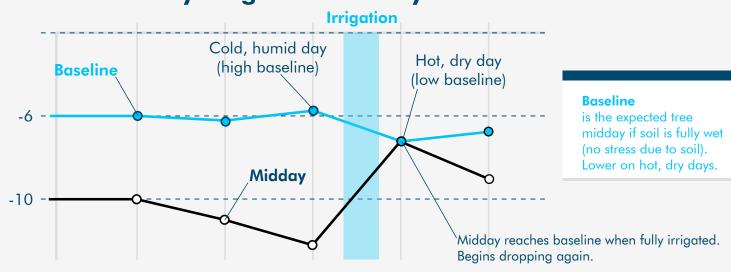
SWP

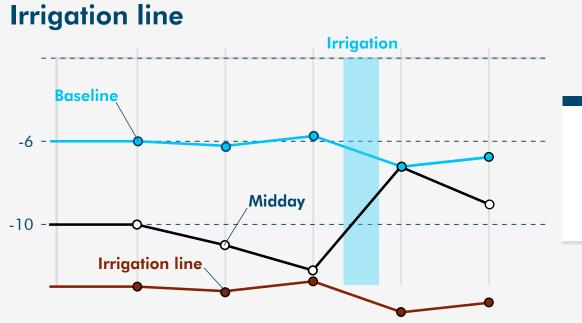
is the water pressure in tree vessels. Measures water status and guides irrigation decisions. Lower = drier. *units: bar

(2 pm) ^{1 day} Irrigation





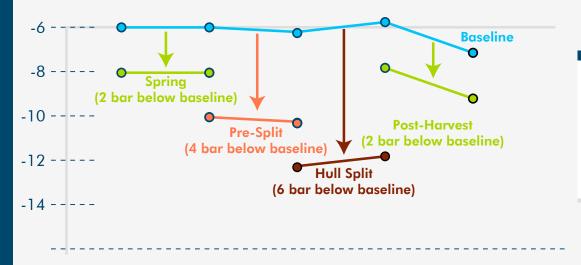




Irrigation line

shows when to start irrigation. Irrigate when midday drops to irrigation line. Tree should recover to baseline, then start dropping. Repeat.

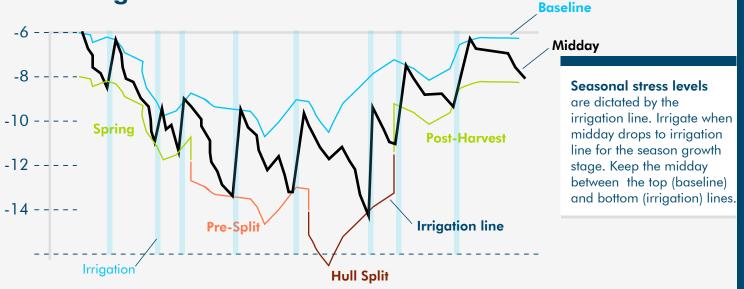
Irrigation line during the season (almond)



Irrigation line

changes by season growth stage to create controlled water-stress. Irrigate when midday is at or below irrigation line for the current growth stage.

Ideal Irrigation Pattern



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