

# Fitness

Reproductive success

Survival

Proportion of  
injured flowers  
and fruits

Fruit maturation  
probability

Survival  
to frost

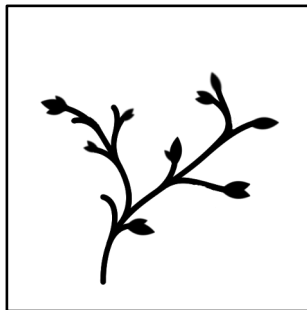
Survival  
to drought

Proportion of  
injured leaves

Thermal energy

Frost resistance

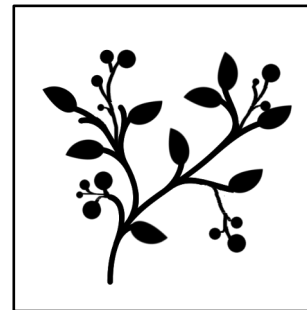
Phenology  
sub-models



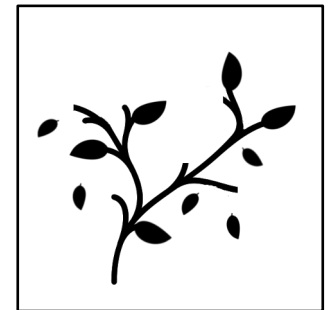
Leaf unfolding



Flowering



Fruit maturation



Leaf senescence