

Functional trait	Trade-offs	Equation
Leaves allocation	Leaves carbon content	Eq. A1
	Total plant carbon stock	Eq. A2
	Leaf area index	Eq. A8
	Maintenance respiration	Eq. A13
	Growth respiration	Eq. A12
ABGW allocation	ABGW carbon content	Eq. A1
	Total plant carbon stock	Eq. A2
	Light capture	Eq. A10 Eq. A11
	Maintenance respiration	Eq. A13
	Growth respiration	Eq. A12
Fine roots allocation	Fine roots carbon content	Eq. A1
	Total plant carbon stock	Eq. A2
	Hydraulic stress	Eq. A6
	Maintenance respiration	Eq. A13
	Growth respiration	Eq. A12
Leaves residence time	Leaves carbon content	Eq. A1
	Total plant carbon stock	Eq. A2
	Leaf area index	Eq. A8
	Specific leaf area	Eq. A9
	Maintenance respiration	Eq. A13
	Growth respiration	Eq. A12
ABGW residence time	ABGW carbon content	Eq. A1
	Total plant carbon stock	Eq. A2
	Light capture	Eq. A10 Eq. A11
	Maintenance respiration	Eq. A13
	Growth respiration	Eq. A12
Fine roots residence time	Fine roots carbon content	Eq. A1
	Total plant carbon stock	Eq. A2
	Hydraulic stress	Eq. A6
	Specific leaf area	Eq. A9
	Maintenance respiration	Eq. A13
	Growth respiration	Eq. A12