

MISSOURI CRCL PROJECT

Silvopasture (Grow Your Edges) Tree Pricing Chart

This chart is intended to be a guide for participants in the Missouri CRCL project, in collaboration with CRCL staff to help build an operational silvopasture plan. Values are estimated for Missouri growing conditions specifically, and this not comprehensive of all the potential species that might be considered eligible for the project. If you wish for other species to be considered, consult with CRCL staff for approval.

Large Canopy (Low Density, 5–12 trees/acre)

Tree Species	Avg. Height (ft)	Canopy Spread (ft)	Mean Height (ft)	Mean Canopy Spread (ft)	Planting Density ¹ (trees/ac)	Spacing ¹ (ft)	Tree Payment Price
Bur Oak	70–80	70–80	75	75	5	65	\$50
Sycamore	70–100	60–80	85	70	6	60	\$50
Black Oak	50–80	50–80	65	65	7	60	\$50
White Oak	50–80	50–80	65	65	7	60	\$50
Cottonwood	80–100	50–70	90	60	8	55	\$50
Black Walnut*	50–75	50–75	62.5	62.5	8	55	\$50
Northern Red Oak	60–75	45–75	67.5	60	8	55	\$50
Pecan	70–100	40–75	85	57.5	9	50	\$50
Northern Pin Oak	40–70	40–70	55	55	10	50	\$50
Swamp White Oak	50–60	50–60	55	55	10	50	\$50
Chinquapin Oak	40–60	50–60	50	55	10	50	\$50
Sugar Maple*	60–75	40–60	67.5	50	12	45	\$50
Basswood	60–80	40–60	70	50	12	45	\$50
Shagbark Hickory	60–80	40–60	70	50	12	45	\$50
Tulip Poplar	70–100	40–60	85	50	12	45	\$50

Medium-Sized Trees (Moderate Density, 12–23 trees/acre)

Tree Species	Avg. Height (ft)	Canopy Spread (ft)	Mean Height (ft)	Mean Canopy Spread (ft)	Planting Density ¹ (trees/ac)	Spacing ¹ (ft)	Tree Payment Price
River Birch	40–70	40–60	55	50	12	45	\$35
Hackberry	40–60	40–60	50	50	12	45	\$35
Mockernut Hickory	50–80	30–50	65	40	18	35	\$35
Bitternut Hickory	50–80	30–50	65	40	18	35	\$35
Shortleaf Pine	40–70	30–50	55	40	18	35	\$35
Loblolly Pine	60–100	30–50	80	40	18	35	\$35
Black Locust***	40–70	30–50	55	40	18	35	\$35
Catalpa	40–70	20–50	55	35	23	30	\$35
Sassafras	30–60	25–40	45	32.5	27	30	\$35



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Fast-Growing, Multi-Use, Small Trees (High Density, 25–55+trees/acre)

Tree Species	Avg. Height (ft)	Canopy Spread (ft)	Mean Height (ft)	Mean Canopy Spread (ft)	Planting Density ¹ (trees/ac)	Spacing ¹ (ft)	Tree Payment Price
American Persimmon	35–60	20–35	47.5	27.5	37	25	\$20
Willow	40–70	30–50	55	40	18	35	\$20
Hybrid Poplar	50–90	30–50	70	40	18	35	\$20
Honey locust	50–75	35–50	62.5	42.5	20	35	\$20
Chestnut	40–60	30–50	50	40	18	35	\$20
Mulberry	30–50	30–50	40	40	18	35	\$20
Boxelder*	30–50	30–50	40	40	18	35	\$20
Cherry**	15–30	15–30	22.5	22.5	55	20	\$20
Peach**	15–25	15–25	20	20	70	20	\$20
Pear	20–30	15–25	25	20	70	20	\$20
Apple	10–30	10–25	20	17.5	91	15	\$20
Plum**	15–25	15–25	20	20	70	20	\$20
Nectarine**	15–25	15–25	20	20	70	20	\$20
Carolina Buckthorn	10–15	10–15	12.5	12.5	178	10	\$20

* Presents extreme toxicity risk to horses due to juglans, cannot be managed in a way that mitigates risk.

** Presents toxicity risk to all livestock due to cyanogenic glycosides. Can be managed with appropriate grazing windows and risk mitigation.

*** Presents toxicity risk to all livestock due to toxalbumins, but horses are most at risk. Can be managed with appropriate grazing windows, planting strategy, and risk mitigation.

¹Tree planting plans must be approved by a staff representative of the Center for Regenerative Agriculture before a contract is finalized.

