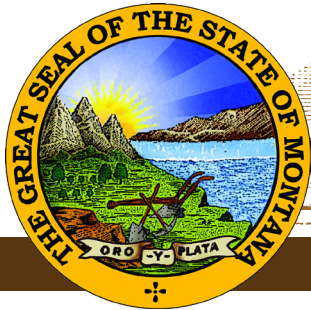


2022 Montana Register of BIG TREES



Vintage engraving of a Ponderosa Pine, Montana's State Tree



AMERICAN FORESTS

Message from the State Coordinator

The Montana Department of Natural Resources & Conservation (DNRC) maintains records on the largest trees in the state. These trees are aptly called “Big Trees” as they represent specimen trees that have been catalogued as the largest representatives of their particular species discovered thus far.

Montana’s forests are a delight for current and future generations. Our trees provide everything from wood products and medicines to life-giving oxygen, clean water and energy conservation. The Montana DNRC hosts this program in order to encourage the appreciation of Montana’s forests and trees. Exploring our landscape for these big specimen trees can put you in touch with our natural resources heritage.

The DNRC would like to recognize our partners in this program. The U.S. Forest Service and its regional Rocky Mountain Research Station, the American Tree Farm System, and the American Forests organization are all valuable partners. The state’s Register of Big Trees is a result of the work of many people’s efforts over many years.

As there is no funding to support this program, its success is largely dependent on continued volunteer efforts of people such as you. Some of the records in the registry are older and the trees are due for re-measure. We welcome volunteer efforts to help re-certify these older champions. You can also add to the Register of Big Trees by filling out the nomination form for any champion caliber specimens you find.

If you are interested in learning more about the program please visit the Big Trees website at: <https://dnrc.mt.gov/Forestry/Forest-Management/montana-big-trees-program> or email me at danrogers@mt.gov.

Good luck in your search!

Dan Rogers
Montana Big Trees Program Coordinator



AMERICAN FORESTS

Big Tree Program Notes

“A Work in Progress” is a great way to think of the Montana Big Tree Register. As living entities, trees are always changing. A tree may earn a spot in the registry with strong growth or by being the first of its species submitted. A tree on the registry may fall out of the list due to limb loss, death, or discovery of a new champion. Publication of this registry represents a snapshot in time.

Champions are determined by points. Three dimensions of the tree are measured and points are calculated as follows: Circumference (inches) + Height (feet) + $\frac{1}{4}$ Average Crown Spread (feet) = Total Points. In the event two or more trees of a species have a score within 15 points of each other they are considered co-champions. An asterisk (*) appearing in the Scientific Name column of an entry indicates the co-champion status.

In addition to the point total for the species this register also lists the National Champion points total in parenthesis. So now, you can see how the Montana specimen measures up on the national scale. Montana’s National Champion Big Trees are highlighted in the register.



Montana’s register of Big Trees includes a few subcategories. The largest distinction drawn is if a species is recognized as a Montana Native or a Non-Native species. You will notice in subsequent pages that the registry contains two separate lists based on this classification. Native trees are wild and grew naturally or spontaneously in the undisturbed forest vegetation before the arrival of Columbus or other Europeans. Non-native trees species have been brought into Montana.

Further, non-native trees may be recognized as being Naturalized. Naturalized trees represent non-native specimens that have been found self propagating or create viable seeds that have successfully germinated under normal conditions. Trees identified as Naturalized are designated in the registry by a Δ symbol.

The third distinction made in the registry concerns the actual location and growing conditions of the tree. Each tree is designated as either Urban or Wildland. In some instances both a Wildland and Urban specimen are listed as co-champions of the species, even though the point totals do not fall within the stated 15 point rule. This is due to the recognition that in the arid and semi-arid West most trees occurring in a natural, wildland setting will not reach the sizes the same tree in a irrigated, fertilized, or otherwise human influenced, urban environment may reach.

How to Read the Register

COMMON NAME	SCIENTIFIC NAME	URBAN or WILDLAND	POINTS	DBH	CIRC.	HEIGHT	SPREAD	LOCATION	YEAR	NOMINATOR
ASH										
Green	<i>Fraxinus pennsylvanica</i> *	U	236 (395)	48	151	70	61	Ravalli	1998	Mark Lewing
Green	<i>Fraxinus pennsylvanica</i> *	W	174 (395)	41	128	39	29	Prairie	2000	Peter Lesica

Points
 top # = tree score
 (#) = national champ score

Diameter at breast height
 (4.5' from ground) in inches
 Circumference in inches
 Height in feet
 Crown spread in feet
 By County

Year when tree was
 measured; if two years
 are listed the second is
 time of re-measurement

* Indicates co-champions

Scores here are NOT within 15 points, but because one is Urban and one Wildland these two are co-champions.



Native Trees

COMMON NAME	SCIENTIFIC NAME	URBAN or WILDLAND	POINTS	DBH	CIRC.	HEIGHT	SPREAD	LOCATION	YEAR	NOMINATOR
ALDER										
Green or Sitka	<i>Alnus viridus ssp sinuata*</i>	W	43 (43)	5	15	26	6	Flathead	2015	Mark Lewing
Green or Sitka	<i>Alnus viridus ssp sinuata*</i>	W	39 (43)	6	18	19	10	Flathead	2015	Mark Lewing
Mountain or Thinleaf	<i>Alnus incana ssp. tenuifolia*</i>	W	95 (none)	12	39	50	24	Ravalli	2013	Mark Lewing
Mountain or Thinleaf	<i>Alnus incana ssp. tenuifolia*</i>	W	80 (none)	11	35	42	12	Ravalli	2011	Mark Lewing
Red	<i>Alnus rubra</i>	W	180 (280)	35	111	59	38	Sanders	1999, 2013	Dennis Nicholls
ASH										
Green	<i>Fraxinus pennsylvanica*</i>	U	251 (349)	51	159	79	53	Ravalli	1998, 2012	Mark Lewing
Green	<i>Fraxinus pennsylvanica*</i>	U	232 (349)	53	167	54	45	Big Horn	2021	Garnett Dodson
Green	<i>Fraxinus pennsylvanica*</i>	W	176 (349)	41	128	41	29	Prairie	2000, 2013	Peter Lesica
ASPEN										
Quaking	<i>Populus tremuloides*</i>	W	245 (247)	38	118	119	33	Sanders	2014	Mark Lewing
Quaking	<i>Populus tremuloides*</i>	W	238 (247)	37	116	115	29	Sanders	2014	Mark Lewing
Quaking	<i>Populus tremuloides*</i>	W	231 (247)	37	116	103	46	Sanders	2012	Mark Lewing, Ole Leivestad
Quaking	<i>Populus tremuloides*</i>	W	230 (247)	39	121	100	37	Sanders	2009, 2019	Drake Barton, Kathy Lloyd
BIRCH										
Paper	<i>Betula papyrifera var. papyrifera</i>	W	208 (219)	34	106	90	48	Sanders	1996, 2012	Dennis Nicholls
Water	<i>Betula occidentalis*</i>	W	148 (none)	19	60	78	40	Ravalli	2010, 2020	Mark Lewing
Water	<i>Betula occidentalis*</i>	W	138 (none)	17	54	77	29	Ravalli	2010, 2020	Mark Lewing
BOXELDER										
Boxelder	<i>Acer negundo</i>	U	276 (312)	66	208	54	57	Ravalli	2001, 2012	Mark Lewing
BUCKTHORN										
Pursh's or Cascara	<i>Rhamnus (Frangula) purshiana</i>	W	71 (none)	8	24	40	26	Lincoln	2003, 2008, 2018	Alan Lane
BUFFALOBERRY										
Silver	<i>Shepherdia argentea*</i>	W	56 (none)	11	34	17	18	Madison	2013	Mark Lewing
Silver	<i>Shepherdia argentea*</i>	W	46 (none)	9	28	15	11	Madison	2013	Mark Lewing

Native Trees

	COMMON NAME	SCIENTIFIC NAME	URBAN or WILDLAND	POINTS	DBH	CIRC.	HEIGHT	SPREAD	LOCATION	YEAR	NOMINATOR
	Silver	<i>Shepherdia argentea</i> *	U	43 (none)	5	15	22	24	Ravalli	2016	Mark Lewing
	Silver	<i>Shepherdia argentea</i> *	W	41 (none)	6	20	18	12	Sweet Grass	2004, 2013	Martin Flanagan
CHOKECHERRY											
National Champ	Black Chokecherry	<i>Prunus virginiana var. melanocarpa</i> *	U	111 (111)	12	39	66	22	Flathead	2015	Mark Lewing, Trevor, Joshua & Trystan Mertins
	Black Chokecherry	<i>Prunus virginiana var. melanocarpa</i> *	U	107 (111)	17	54	41	48	Powell	1991, 2012	Jim Anderson
	Black Chokecherry	<i>Prunus virginiana var. melanocarpa</i> *	W	70 (111)	11	34	30	23	Flathead	2013	Mark Lewing, Pamela Lewing, Dave Jones
COTTONWOOD											
	Black	<i>Populus balsamifera ssp. trichocarpa</i> *	W	407 (544)	83	260	124	90	Sanders	2016	Jeff Durkin, Travis Heater
	Lanceleaf	<i>Populus acuminata</i>	W	254 (none)	47	148	94	50	Sweet Grass	2004, 2010, 2020	Martin Flanagan
National Champ	Narrowleaf	<i>Populus angustifolia</i> *	W	305 (305/ 311)	62	195	92	70	Sweet Grass	2014	Martin Flanagan, Mark Lewing
National Champ	Plains	<i>Populus deltoides ssp. monilifera</i> *	U	530 (530)	124	394	112	94	Ravalli	1999, 2014	Mark Lewing, Pamela Lewing
	Plains	<i>Populus deltoides ssp. monilifera</i> *	W	525 (530)	132	416	88	85	Richland	2018	Mark Lewing, Pamela Lewing
DOGWOOD											
	Red-osier	<i>Cornus sericea</i> *	W	33 (none)	3	10	17	23	Missoula	2019	Mark Lewing, Pamela Lewing
	Red-osier	<i>Cornus sericea</i> *	W	27 (none)	3	10	15	9	Ravalli	2018	Mark Lewing, Corey Mertins
DOUGLAS-FIR											
National Champ	Rocky Mountain	<i>Pseudotsuga menziesii var. glauca</i> *	W	414 (414)	71	223	178	48	Sanders	1996, 2012	Lynette Kelly, Jess Evans, Ben Isenburg
	Rocky Mountain	<i>Pseudotsuga menziesii var. glauca</i> *	U	227 (414)	37	116	100	44	Missoula	2019	Mark Lewing, Addie Slinger
	Rocky Mountain	<i>Pseudotsuga menziesii var. glauca</i> *	U	219 (414)	37	116	92	42	Missoula	2019	Mark Lewing
ELDER											
	Blue	<i>Sambucus cerulea</i> *	W	87 (170)	17	52	30	18	Missoula	2019	Mark Lewing, Pamela Lewing
	Blue	<i>Sambucus cerulea</i> *	W	82 (170)	14	43	28	42	Ravalli	2011 2021	Mark Lewing
ELM											
	American	<i>Ulmus americana</i> *	U	300 (none)	65	205	74	83	Ravalli	2001, 2012	Mark Lewing
	American	<i>Ulmus americana</i> *	U	297 (none)	59	186	95	65	Ravalli	2001, 2012	Mark Lewing

Native Trees

COMMON NAME	SCIENTIFIC NAME	URBAN or WILDLAND	POINTS	DBH	CIRC.	HEIGHT	SPREAD	LOCATION	YEAR	NOMINATOR
American	<i>Ulmus americana*</i>	U	291 (none)	58	182	83	26	Lewis & Clark	2019	Dan Rogers
American	<i>Ulmus americana*</i>	W	131 (none)	31	96	25	39	Wibaux	2014	Mark Lewing, Duane Hanson
FIR										
Grand	<i>Abies grandis*</i>	W	359 (511)	52	163	187	35	Lincoln	2008, 2018	Alan Lane, Mike Keller, Larry Coryell
Grand	<i>Abies grandis*</i>	W	355 (511)	66	206	140	36	Lincoln	2019	Jim Seifert
Grand	<i>Abies grandis*</i>	W	348 (511)	52	162	176	39	Lake	2016	Mark Lewing, Fred Friesz
Grand	<i>Abies grandis*</i>	U	148 (511)	20	62	80	23	Missoula	2019	Mark Lewing
Subalpine	<i>Abies lasiocarpa var. lasiocarpa*</i>	W	240 (384)	29	91	144	20	Ravalli	2018	Mark Lewing, Pamela Lewing
Subalpine	<i>Abies lasiocarpa var. lasiocarpa*</i>	W	237 (384)	34	106	126	20	Lincoln	2018	Mark Lewing
Subalpine	<i>Abies lasiocarpa var. lasiocarpa*</i>	W	232 (384)	31	95	131	22	Beaver-head	2021	Mark Lewing
Subalpine	<i>Abies lasiocarpa var. lasiocarpa*</i>	U	195 (384)	30	94	96	20	Ravalli	2013	Mark Lewing, Trever Mertins
HAWTHORN										
Black	<i>Crataegus douglasii</i>	W	95 (none)	13	41	35	38	Missoula	2006, 2016	Bill Vaughn
Castlegar	<i>Crataegus castlegarensis</i>	W	91 (91)	14	43	42	23	Flathead	2015	Mark Lewing
Fleshy	<i>Crataegus succulenta</i>	W	67 (71)	10	30	32	20	Flathead	2013	Mark Lewing, Pamela Lewing
HEMLOCK										
Mountain	<i>Tsuga mertensiana</i>	W	326 (428)	49	155	162	34	Sanders	2019	Mark Lewing, Doug Shaner
Western	<i>Tsuga heterophylla</i>	W	376 (546)	55	172	194	41	Lincoln	2018	Mark Lewing, Marshall Sweringen
JUNIPER										
Rocky Mountain	<i>Juniperus scopulorum*</i>	W	195 (331)	41	130	55	39	Lake	2013	Mark Lewing
Rocky Mountain	<i>Juniperus scopulorum*</i>	U	148 (331)	28	88	51	36	Missoula	1994, 2012	Vick Applegate
LARCH										
Alpine	<i>Larix lyallii*</i>	W	261 (391)	57	178	78	43	Ravalli	1996, 2012	Steve Arno
Alpine	<i>Larix lyallii*</i>	W	247 (391)	43	136	91	39	Ravalli	2012	Mark Lewing
Hybrid	<i>Larix lyallii x occidentalis</i>	W	255 (none)	38	119	128	32	Missoula	2020	Mark Lewing, Nick Betz
Western	<i>Larix occidentalis*</i>	W	430 (426)	85	267	154	36	Missoula	1995, 2011	Helen Smith, Micha Krebs

National
Champ

National
Champ

Native Trees

COMMON NAME	SCIENTIFIC NAME	URBAN or WILDLAND	POINTS	DBH	CIRC.	HEIGHT	SPREAD	LOCATION	YEAR	NOMINATOR
Western	<i>Larix occidentalis</i> *	W	419 (426)	74	233	177	36	Lincoln	1979, 2012	E.L.Yahvah
MAHOGANY (Alderleaf Cercocarpus)										
National Champ Mountain/ Alderleaf	<i>Cercocarpus montanus</i>	W	64 (64)	13	40	16	33	Ravalli	2013	Mark Lewing
MAPLE										
Rocky Mountain	<i>Acer glabrum</i> *	W	124 (196)	16	51	64	37	Sanders	2016	Max Clark
MOUNTAIN-ASH										
National Champ Greene	<i>Sorbus scopulina</i>	W	37 (37)	3	10	23	14	Ravalli	2015	Mark Lewing
OAK										
Bur	<i>Quercus macrocarpa</i> *	ΔU	284 (426)	52	163	103	70	Ravalli	2013	Mark Lewing, John Koch, Krysta Mertins, Lindsey Lewing
Bur	<i>Quercus macrocarpa</i> *	W	181 (426)	41	129	43	37	Carter	2016	Mark Lewing
Bur	<i>Quercus macrocarpa</i> *	W	172 (426)	38	118	45	36	Carter	2016	Mark Lewing
PINE										
Limber	<i>Pinus flexilis</i>	W	268 (375)	72	225	34	37	Silver Bow	1992, 2013	Peter Lesica
Lodgepole	<i>Pinus contorta</i> var. <i>latifolia</i> *	W	236 (257)	35	110	121	21	Ravalli	2013	Mark Lewing, Jason Stewart, Trever Mertins
Lodgepole	<i>Pinus contorta</i> var. <i>latifolia</i> *	W	228 (257)	36	117	100	45	Missoula	2009, 2019	Steve Thompson
Lodgepole	<i>Pinus contorta</i> var. <i>latifolia</i> *	W	221 (257)	36	113	96	46	Beaver- head	2018	Mark Lewing, Britt Herring
National Champ Ponderosa	<i>Pinus ponderosa</i> var. <i>scopulorum</i> *	W	456 (456)	78	246	195	61	Mineral	1982, 2005, 2015	Donald M.Wood, Don Campbell
Ponderosa	<i>Pinus ponderosa</i> var. <i>scopulorum</i> *	U	330 (456)	68	212	105	51	Ravalli	2013	Mark Lewing
Western White	<i>Pinus monticola</i> *	W	424 (483)	75	237	178	35	Lincoln	1996, 2008, 2018	Alan Lane
Whitebark	<i>Pinus albicaulis</i>	W	287 (299)	57	180	94	52	Flathead	1986, 2013	Tom Hope
REDCEDAR										
Western	<i>Thuja plicata</i> *	W	566 (922)	129	406	150	39	Lincoln	1981, 2013	Bruce Miehe
Western	<i>Thuja plicata</i> *	W	552 (922)	118	369	175	30	Lincoln	1998, 2012	Alan Lane
SAGEBRUSH										
Big	<i>Artemesia tridentata</i>	W	33 (53)	5	17	13	11	Beaver- head	2012	Mark Lewing

Native Trees

COMMON NAME	SCIENTIFIC NAME	URBAN or WILDLAND	POINTS	DBH	CIRC.	HEIGHT	SPREAD	LOCATION	YEAR	NOMINATOR
SERVICEBERRY										
Western	<i>Amelanchier alnifolia</i>	W	49 (87)	5	14	30	19	Lincoln	2003, 2013	Martin Flanagan
SPRUCE										
Engelmann	<i>Picea engelmannii</i> *	W	409 (394)	72	227	173	35	Flathead	2014	Mark Lewing, Brandon Mertins
Engelmann	<i>Picea engelmannii</i> *	U	208 (394)	34	106	94	33	Missoula	2019	Mark Lewing
White	<i>Picea glauca</i>	W	291 (211)	61	191	95	19	Lincoln	2009, 2019	Mark Lewing
WILLOW										
Bebb	<i>Salix bebbiana</i> *	W	93 (none)	17	52	35	24	Ravalli	2011, 2021	Mark Lewing
Bebb	<i>Salix bebbiana</i> *	W	90 (none)	19	59	27	15	Beaver-head	2020	Mark Lewing
Booth	<i>Salix boothii</i>	W	84 (none)	15	48	31	20	Beaver-head	2018	Mark Lewing
Geyer	<i>Salix geyeriana</i>	W	44 (none)	3	10	31	13	Beaver-head	2018	Mark Lewing
Pacific Willow	<i>Salix lucida</i>	U	190 (none)	32	101	80	37	Ravalli	2021	Mark Lewing
Pacific Willow	<i>Salix lucida</i>	U	188 (none)	33	104	76	30	Ravalli	2021	Mark Lewing
 Peachleaf	<i>Salix amygdaloides</i> *	W	176 (176)	35	110	50	64	Stillwater	2014	Martin Flanagan
 Peachleaf	<i>Salix amygdaloides</i> *	W	172 (176)	36	114	49	34	Yellow-stone	2016	Mark Lewing
Planeleaf	<i>Salix planifolia</i>	U	63 (none)	13	40	18	20	Madison	2018	Mark Lewing, Pamela Lewing
 Sandbar	<i>Salix interior</i>	W	66 (59)	11	34	25	28	Ravalli	2011, 2021	Mark Lewing
Scouler	<i>Salix scouler</i>	W	126 (228)	24	75	39	34	Ravalli	2011, 2021	Mark Lewing
Whiplash or Greenleaf	<i>Salix lasiandra</i> var. <i>caudata</i>	W	124 (none)	22	69	45	39	Sweet Grass	2014	Martin Flanagan, Mark Lewing
Yellow	<i>Salix lutea</i>	W	36 (none)	4	14	18	17	Beaver-head	2018	Mark Lewing
BUCKTHORN										
European	<i>Rhamnus cathartica</i>	W	41.35 (60)		9	28	19	Yellow-stone	2021	Miranda Rowland, Emma Hardy
European	<i>Rhamnus cathartica</i>	ΔW	40 (60)	5	17	18	18	Lake	2013	Mark Lewing
Pacific	<i>Taxus brevifolia</i> *	W	85 (250)	17	52	26	28	Lake	1992, 2012	Jerry & Caroline Berner
Pacific	<i>Taxus brevifolia</i> *	W	84 (250)	15	48	29	26	Ravalli	2017	Mark Lewing

Non-Native Trees

COMMON NAME	SCIENTIFIC NAME	URBAN or WILDLAND	POINTS	DBH	CIRC.	HEIGHT	SPREAD	LOCATION	YEAR	NOMINATOR
APPLE										
Chief Plenty Coups Heritage	<i>Malus pumila</i>	U	75 (none)	13	41	28	23	Big Horn	2016	Mark Lewing, Genny Haskins
MacIntosh	<i>Malus domestica</i>	U	80 (none)	23	71.5	29	42	Flathead	2022	Kirk Hammerquist
APRICOT										
Manchurian	<i>Prunus mandshurica</i>	U	99 (none)	17	54	40	18	Ravalli	2020	Mark Lewing
ASH										
Blue	<i>Fraxinau quadrangulata*</i>	U	149 (315)	29	91	47	42	Ravalli	2016	Mark Lewing
Blue	<i>Fraxinau quadrangulata*</i>	U	140 (315)	28	87	43	41	Ravalli	2016	Mark Lewing
European	<i>Fraxinus excelsior</i>	U	492 (none)	116	360	115	66	Yellow- stone	2022	Ed & Charlene Sanders
European	<i>Fraxinus excelsior</i>	U	128 (none)	20	64	50	14	Flathead	2018	Fred Bicha, Josh Keene
White	<i>Fraxinus americana*</i>	U	159 (398)	28	87	58	57	Ravalli	2016	Mark Lewing
White	<i>Fraxinus americana*</i>	U	156 (398)	27	86	58	50	Ravalli	2016	Mark Lewing
BIRCH										
European White	<i>Betula pendula</i>	U	213 (219)	40	125	76	47	Ravalli	2014	Mark Lewing, Sylvia McNeil
BUCKEYE										
Ohio	<i>Aesculus galbra*</i>	U	97 (274)	19	61	29	26	Missoula	2014	Huck Woolsey, Finn Woolsey, Mike DeGrandpre
Ohio	<i>Aesculus galbra*</i>	U	89 (274)	17	52	31	25	Ravalli	2013	Mark Lewing
Yellow	<i>Aesculusflava</i>	U	142 (none)	28	87	44	42	Ravalli	2021	Mark Lewing
BUCKTHORN										
European	<i>Rhamnus cathartica</i>	W	41.35 (60)		9	28	19	Yellow- stone	2021	Miranda Rowland & Emma Hardy
European	<i>Rhamnus cathartica</i>	ΔW	40 (60)	5	17	18	18	Lake	2013	Mark Lewing
BUNYA BUNYA										
Bunya	<i>Araucaria bidwillii</i>	U	59 (none)	5	17	38	15	Missoula	2019	Mark Lewing, Kelly Chadwick, Ken Stolz
BUTTERNUT										
Butternut	<i>Juglans cinerea</i>	U	168 (377)	31	97	56	59	Ravalli	2016	Mark Lewing
Butternut	<i>Juglans cinerea</i>	U	162 (377)	32	102	46	57	Ravalli	2016	Mark Lewing
CATALPA										

Non-Native Trees

COMMON NAME	SCIENTIFIC NAME	URBAN or WILDLAND	POINTS	DBH	CIRC.	HEIGHT	SPREAD	LOCATION	YEAR	NOMINATOR
Northern	<i>Catalpa speciosa</i>	U	195 (327)	40	126	59	40	Yellow- stone	2012	Steve Riley
CEDAR										
Arborvitae	<i>Thuja occidentalis</i> *	U	106 (312)	20	62	41	11	Ravalli	2016	Mark Lewing
Arborvitae	<i>Thuja occidentalis</i> *	U	101 (312)	17	53	45	12	Ravalli	2016	Mark Lewing
CHOCKECHERRY										
Canada Red	<i>Prunus virginiana</i>	U	101 (254)	18	58	33	38	Gallatin	2016	Vince Heier
CRABAPPLE										
Siberian	<i>Malus baccata</i>	U	90 (none)	14	44	33	52	Ravalli	2016	Mark Lewing, Pamela Lewing
ELM										
Camperdown	<i>Ulmus glabra</i>	U	137 (none)	35	111	18	30	Ravalli	2020	Mark Lewing, Sylvia McNeil
English	<i>Ulmus procera</i>	U	193 (none)	37	115	64	58	Missoula	2019	Mark Lewing
Siberian	<i>Ulmus pumila</i> *	U	387 (398)	70	221	82	168	Ravalli	2021	Mark Lewing
Siberian	<i>Ulmus pumila</i> *	U	287 (398)	57	183	88	63	Ravalli	2021	Mark Lewing
Siberian	<i>Ulmus pumila</i> *	ΔW	226 (398)	42	132	76	73	Missoula	2011, 2021	Mark Lewing, Peter Lesica
FIG										
Laurel	<i>Ficus microcarpa nitida</i>	U	74 (none)	7	23	42	36	Missoula	2019	Mark Lewing, Kelly Chadwick, Ken Stolz
Fiddleleaf	<i>Ficus lyrata</i>	U	67 (none)	6	20	40	28	Missoula	2019	Mark Lewing, Kelly Chadwick, Ken Stolz
FIR										
White	<i>Abies concolor</i> *	W	233 (359)	28	88	136	34	Sanders	2018	Mark Lewing, Landon Henderson
White	<i>Abies concolor</i> *	U	203 (359)	32	102	92	34	Sanders	2018	Mark Lewing, Pamela Lewing
GINKGO										
Ginkgo	<i>Ginkgo biloba</i>	U	145 (414)	23	73	61	45	Missoula	2019	Mark Lewing, Beth Judy, Kelly Chadwick
HACKBERRY										
Common	<i>Celtis occidentalis</i>	U	177 (398)	30	93	70	54	Yellow- stone	2012	Mike Garvey, Fred Bicha
HAWTHORN										
European/ Oneseed	<i>Crataegus monoyana</i>	U	46 (none)	7	23	19	17	Ravalli	2016	Mark Lewing, Sue Falk

Non-Native Trees

COMMON NAME	SCIENTIFIC NAME	URBAN or WILDLAND	POINTS	DBH	CIRC.	HEIGHT	SPREAD	LOCATION	YEAR	NOMINATOR
HONEYLOCUST										
Thornless Common	<i>Gleditsia triacanthos var. inermis</i>	U	178 (none)	29	90	74	55	Yellow- stone	2012	Mike Garvey, Fred Bicha
HONEYSUCKLE										
Tartarian	<i>Lonicera tartarica</i>	U	55 (none)	9	29	21	21	Missoula	2018	Mark Lewing
HORSECHESTNUT										
Horsechestnut	<i>Aesculus hippocastanum</i>	U	244 (341)	54	169	62	52	Ravalli	2014	Mark Lewing
JUNIPER										
Drooping	<i>Juniperus flaccida*</i>	U	68 (160)	11	30	34	14	Missoula	2020	Mark Lewing, Pam Lewing
Drooping	<i>Juniperus flaccida*</i>	U	58 (160)	8	25	28	15	Missoula	2020	Mark Lewing, Pam Lewing
LARCH										
European	<i>Larix decidua</i>	U	161 (294)	28	89	62	39	Missoula	2019	Mark Lewing, Kelly Chadwick, Kim Briggeman
LILAC										
Common	<i>Syringa vulgaris</i>	U	54 (none)	9	28	23	10	Ravalli	2013	Mark Lewing
Japanese Tree	<i>Syringa reticulata</i>	U	122 (175)	26	83	32	29	Missoula	2014	Huck Woolsey, Finn Woolsey, Bridget Tinsley, Jamie Kirby, Dennis Bragg
LINDEN										
American	<i>Tilia americana</i>	U	246 (399)	45	140	96	41	Ravalli	2010, 2020	Mark Lewing
Littleleaf	<i>Tilia cordata</i>	U	243 (325)	46	145	81	68	Missoula	2014	Huck Woolsey, Finn Woolsey
LOCUST										
Black	<i>Robinia pseudoacacia*</i>	ΔU	269 (443)	58	181	74	56	Ravalli	2010, 2020	Mark Lewing, Pamela Lewing
Black	<i>Robinia pseudoacacia*</i>	ΔU	267 (443)	61	190	66	42	Ravalli	2010, 2020	Mark Lewing
Bristly	<i>Robinia hispida</i>	U	33 (none)	4	12	18	13	Lake	2015	Mark Lewing, Trevor Mertins
Clammy	<i>Robinia viscosa</i>	U	60 (60)	9	27	27	25	Ravalli	2016	Mark Lewing, Sue Falk
MAPLE										
Amur	<i>Acer ginnal</i>	U	57 (100)	10	30	21	22	Ravalli	2016	Mark Lewing
Norway	<i>Acer platanoides</i>	ΔU	298 (298)	67	210	70	73	Ravalli	2010, 2020	Mark Lewing, Pamela Lewing
Red	<i>Acer rubrum</i>	U	140 (365)	26	82	47	44	Missoula	2014	Huck Woolsey, Finn Woolsey
Silver	<i>Acer saccharinum</i>	U	367 (412)	80	252	99	65	Ravalli	2010, 2020	Mark Lewing

National
Champ

Non-Native Trees

COMMON NAME	SCIENTIFIC NAME	URBAN or WILDLAND	POINTS	DBH	CIRC.	HEIGHT	SPREAD	LOCATION	YEAR	NOMINATOR
Sugar	<i>Acer saccharum</i> *	U	200 (364)	38	120	62	55	Missoula	2019	Mark Lewing, Kelly Chadwick, Kim Briggeman
Sugar	<i>Acer saccharum</i> *	U	198 (364)	40	126	60	49	Ravalli	2013	Mark Lewing, Lindsey Lewing, Krysta Mertins
Sycamore	<i>Acer pseudoplatanus</i>	U	197 (none)	37	117	65	15	Flathead	2018	Fred Bicha, Josh Keene
MOUNTAIN-ASH										
 European	<i>Sorbus aucuparia</i> *	ΔU	143 (143)	29	91	43	37	Flathead	2013	Mark, John and Paul Lewing
European	<i>Sorbus aucuparia</i> *	ΔW	84 (143)	9	29	49	22	Missoula	2015	Mark Lewing
European	<i>Sorbus aucuparia</i> *	ΔW	80 (143)	10	30	44	24	Missoula	2015	Mark Lewing
European	<i>Sorbus aucuparia</i> *	ΔW	72 (143)	10	31	35	22	Missoula	2015	Mark Lewing
Oakleaf	<i>Sorbus x hybrida</i>	U	150 (none)	32	101	38	44	Flathead	2016	Mark, John and Paul Lewing
OAK										
English	<i>Quercus robur</i>	U	207 (382)	40	125	66	64	Missoula	2019	Mark Lewing, Kelly Chadwick, Kim Briggeman
Oregon White	<i>Quercus garryana</i>	U	160 (408)	32	101	44	60	Ravalli	2016	Mark Lewing
Pin	<i>Quercus palustris</i>	U	198 (307)	35	111	76	45	Missoula	2014	Huck Woolsey, Finn Woolsey
Red	<i>Quercus rubra</i>	U	275 (456)	55	174	82	74	Missoula	2014, 2019	Huck Woolsey, Finn Woolsey
Swamp white	<i>Quercus bicolor</i>	U	170 (399)	30	94	64	50	Yellow- stone	2012	Steve Riley
PEAR										
Tait	<i>Pyrus spp.</i>	U	126 (253)	23	72	46	31	Ravalli	2020	Mark Lewing
PINE										
Austrian Pine	<i>Pinus nigra</i>	U	170 (none)	34	107	51	48	Missoula	2021	Mark Lewing
Austrian Pine	<i>Pinus nigra</i>	U	158 (none)	30	95	51	46	Missoula	2021	Mark Lewing
Eastern White	<i>Pinus strobus</i>	U	213 (390)	36	114	88	44	Missoula	2019	Mark Lewing
Rocky Mtn. Bristlecone	<i>Pinus aristata</i>	U	114 (233)	19	61	45	33	Missoula	2019	Mark Lewing, Phillip Williams
Scotch	<i>Pinus sylvestris</i>	U	181 (241)	32	100	73	33	Missoula	2013	Mark Lewing, Pamela Lewing
POPLAR										
Carolina	<i>Populus canadensis</i>	U	533 (none)	123	385	123	98	Lake	2018	Mark Lewing, Pamela Lewing

Non-Native Trees

COMMON NAME	SCIENTIFIC NAME	URBAN or WILDLAND	POINTS	DBH	CIRC.	HEIGHT	SPREAD	LOCATION	YEAR	NOMINATOR
Lombardy	<i>Populus nigra</i> var. <i>italica</i>	U	305 (none)	75	236	65	14	Ravalli	2016	Mark Lewing, Pamela Lewing, Thayer Jacques
White or Silver	<i>Populus alba</i>	ΔU	415 (415)	96	301	92	86	Gallatin	2014	Edie Dooley
RUSSIAN-OLIVE										
Russian-Olive	<i>Elaeagnus angustifolia</i> *	ΔU	183 (none)	41	130	42	42	Missoula	2016	Mark Lewing
Russian-Olive	<i>Elaeagnus angustifolia</i> *	ΔU	175 (none)	38	119	42	55	Sanders	2015	Mark Lewing, Trevor Mertins, Leo & Sarah Pate
SMOKETREE										
American	<i>Cotinus obovatus</i>	U	46 (195)	6	20	23	11	Ravalli	2017	Mark Lewing
SPRUCE										
Black Hills	<i>Picea glauca</i> Densata	U	172 (none)	34	108	54	42	Missoula	2018	Mark Lewing
Blue	<i>Picea pungens</i> *	ΔU	235 (323)	35	111	116	31	Ravalli	2010, 2020	Mark Lewing
Blue	<i>Picea pungens</i> *	ΔU	232 (323)	35	113	110	31	Ravalli	2010, 2020	Mark Lewing
Norway	<i>Picea abies</i> *	U	253 (357)	45	142	98	53	Missoula	2019	Mark Lewing
Norway	<i>Picea abies</i> *	U	250 (357)	39	121	120	35	Ravalli	2014	Mark Lewing
SUMAC										
Staghorn	<i>Rhus typhina</i>	U	69 (69)	14	44	19	26	Ravalli	2014	Mark Lewing
Tiger Eye	<i>Rhus typhina</i> lacinata	U	29 (none)	4	12	14	11	Lake	2018	Mark Lewing, Pamela Lewing,
SYCAMORE										
American	<i>Platanus occidentalis</i>	U	200 (578)	41	128	64	33	Ravalli	2013	Mark Lewing, Lindsey Lewing, Krysta Mertins
WALNUT										
Black	<i>Juglans nigra</i>	U	216 (none)	44	138	61	70	Missoula	2014	Mark Lewing, Bruce Maclay, Mary Maclay
WILLOW										
Crack	<i>Salix fragilis</i>	U	464 (461)	115	362	79	90	Ravalli	2021	Mark Lewing
Crack	<i>Salix fragilis</i>	ΔU	461 (461)	124	388	55	72	Ravalli	2011	Mark Lewing
Weeping	<i>Salix babylonica</i> *	ΔU	301 (411)	61	191	94	65	Ravalli	2020	Mark Lewing
Weeping	<i>Salix babylonica</i> *	ΔU	292 (411)	72	226	54	49	Ravalli	2014	Mark Lewing
White	<i>Salix alba</i>	ΔU	414 (477)	106	333	67	56	Ravalli	1995, 2009, 2019	Mark Lewing, Pamela Lewing, Rosemary O'Neil



American Elm, Ulmus americana, Ravalli County

A Special Thanks to our Program Sponsors
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- 2021 Montana Register of Big Trees Publication - Designed and Printed by:
Montana Department of Natural Resources and Conservation
2705 Spurgin Road, Missoula, Montana 59804