

One Degree Grid  
Distrib2 Output for Species  
Current and Potential Future Habitat and Capability

Common_Name	PC	Scientific_Name	ModRel	%CellFIA	FIAiv	FIAsum	ChngCl45	ChngCl85	Adap	Abund	Capabil45	Capabil85	%OccCol	%2Col	%AnyCol	HQCL45	HQCL85	N
white oak	1	Quercus alba	Medium	18.8	9	53.8	Sm. inc.	No change	6.1	Common	Very Good	Good	56.2	68	68	2.75	2.63	1
yellow-poplar	1	Liriodendron tulipifera	High	63.3	13.5	194.4	No change	No change	5.3	Abundant	Very Good	Very Good	79.5	53.2	53.2	3.34	2.99	2
bitternut hickory	1	Carya cordiformis	Low	46.2	5.9	83	No change	No change	5.6	Abundant	Very Good	Very Good	78.6	51	51	2.97	2.98	3
northern red oak	1	Quercus rubra	Medium	85.3	8	161.5	No change	Sm. dec.	5.4	Abundant	Very Good	Good	79.8	36.7	36.7	3	3	4
sugar maple	1	Acer saccharum	High	96.2	14.3	343.1	No change	Sm. dec.	5.8	Abundant	Very Good	Good	79.6	30.1	30.1	4.68	3.51	5
boxelder	1	Acer negundo	Low	4.9	3	11.6	No change	No change	7.4	Common	Good	Good	46.8	72.7	72.7	2.52	2.53	6
black walnut	1	Juglans nigra	Low	22.7	3.7	18.8	Sm. inc.	Sm. inc.	4	Common	Good	Good	62.7	66.5	66.5	2.75	2.75	7
eastern hophornbeam; i	1	Ostrya virginiana	Low	10	1.7	13	No change	Sm. dec.	6.4	Common	Good	Fair	70.9	65.3	65.3	2.86	2.91	8
shagbark hickory	1	Carya ovata	Medium	60.9	5.3	88.6	No change	No change	4.4	Abundant	Good	Good	79.1	44.5	44.5	2.99	2.99	9
green ash	1	Fraxinus pennsylvanica	Low	71.6	10.2	199.1	No change	No change	4	Abundant	Good	Good	79.8	35.9	35.9	3	3.82	10
bur oak	1	Quercus macrocarpa	Medium	3.3	6.6	10.8	No change	No change	6.4	Common	Good	Good	5.2	31.8	50.9	0	1	11
American elm	1	Ulmus americana	Medium	99.6	7.2	200.5	No change	Sm. inc.	4	Abundant	Good	Very Good	79.8	25.1	25.1	3.94	5.86	12
sweetgum	1	Liquidambar styraciflua	High	1.3	0.5	0.7	Lg. inc.	Lg. inc.	4.1	Rare	Good	Good	4.2	16.2	35	1	1.03	13
red maple	1	Acer rubrum	High	100	18.6	620.8	Sm. dec.	Lg. dec.	8.5	Abundant	Good	Good	79.8	11.8	11.8	5.32	3	14
black oak	1	Quercus velutina	High	8	17.3	14.5	No change	No change	4.9	Common	Fair	Fair	16.5	77.4	78.1	1.77	1.88	15
slippery elm	1	Ulmus rubra	Low	8.5	3.8	15.3	No change	No change	4.8	Common	Fair	Fair	61.4	72.4	72.4	2.74	2.74	16
black locust	1	Robinia pseudoacacia	Low	21.2	7.8	27.9	No change	No change	3.8	Common	Fair	Fair	79.3	71.5	71.5	2.99	2.99	17
Osage-orange	1	Maclura pomifera	Medium	2.8	13.9	19.7	Sm. dec.	Sm. dec.	6.3	Common	Fair	Fair	24	66.4	73.3	1	2.09	18
pin oak	1	Quercus palustris	Low	47.1	11	80.8	Sm. dec.	Sm. dec.	2.8	Abundant	Fair	Fair	77.7	57.6	57.6	2.93	2.96	19
silver maple	1	Acer saccharinum	Low	31.1	5.9	59.5	Sm. dec.	No change	5.6	Common	Fair	Good	79.4	55.4	55.4	3	3	20
blackgum	1	Nyssa sylvatica	Medium	25.8	3.5	33.6	Lg. dec.	Sm. dec.	5.9	Common	Fair	Fair	79.5	53.8	53.8	2.99	2.99	21
American beech	1	Fagus grandifolia	High	65.8	8	152.4	Sm. dec.	Lg. dec.	3.6	Abundant	Fair	Fair	77.9	42.3	42.3	2.97	3	22
white ash	1	Fraxinus americana	Medium	99.6	11.7	202.4	No change	No change	2.7	Abundant	Fair	Fair	79.8	32.4	32.4	4.75	3.36	23
black cherry	1	Prunus serotina	Medium	100	13.9	299.1	Sm. dec.	Sm. dec.	3	Abundant	Fair	Fair	79.8	24.5	24.5	4.28	3	24
flowering dogwood	2	Cornus florida	Medium	2	1	1.5	No change	No change	5	Rare	Poor	Poor	18.3	76.7	76.7	1.62	1.21	25
serviceberry	0	Amelanchier spp.	Low	2.6	2	3.4	No change	Lg. dec.	4.8	Rare	Poor	Very Poor	40.4	76.6	76.7	0	0	26
pignut hickory	2	Carya glabra	Medium	2.6	3.4	4.3	No change	Sm. dec.	4.7	Rare	Poor	Very Poor	12.3	76.4	77.1	1.87	1.63	27
black willow	0	Salix nigra	Low	11.6	4.2	10.8	No change	No change	2.8	Common	Poor	Poor	35.8	75	75	2.99	2.31	28
sycamore	0	Platanus occidentalis	Low	7.9	16.6	51.2	Sm. dec.	Sm. dec.	4.8	Common	Poor	Poor	56.9	73.7	73.9	2.65	2.62	29
quaking aspen	0	Populus tremuloides	High	6.6	3.2	6.2	Sm. dec.	Sm. dec.	4.7	Common	Poor	Poor	33.2	72.2	74.4	0	0	30
cucumbertree	0	Magnolia acuminata	Low	8.4	2.2	10.7	Sm. dec.	Sm. dec.	3.6	Common	Poor	Poor	46.2	70.8	70.8	0	0	31
yellow birch	0	Betula alleghaniensis	High	5	3.4	8.4	Sm. dec.	Sm. dec.	3.4	Common	Poor	Poor	36.8	69.6	73.2	0	0	32
American hornbeam; m	0	Carpinus caroliniana	Low	5.9	1.5	8.5	Sm. dec.	Sm. dec.	5.1	Common	Poor	Poor	69.8	69.3	69.3	0	0	33
swamp white oak	0	Quercus bicolor	Low	16.1	6.4	24.9	Lg. dec.	Lg. dec.	4.9	Common	Poor	Poor	50.4	68.6	68.6	2.89	0	34
sassafras	0	Sassafras albidum	Low	21.6	3.4	26.7	Sm. dec.	Lg. dec.	4.2	Common	Poor	Poor	78.2	65.9	65.9	2.97	3	35
eastern cottonwood	0	Populus deltoides	Low	31	10.6	59.6	Sm. dec.	Sm. dec.	3.9	Common	Poor	Poor	72.5	62.8	62.8	2.95	2.94	36
bigtooth aspen	0	Populus grandidentata	Medium	19.3	3.4	25.4	Lg. dec.	Lg. dec.	5.1	Common	Poor	Poor	69.4	60.4	60.4	0	0	37
scarlet oak	2	Quercus coccinea	Medium	0	0.4	0.1	No change	Lg. dec.	4.6	Rare	Poor	Very Poor	3.2	57.4	71.3	1	0	38
American basswood	0	Tilia americana	Medium	52.2	6.2	71.8	Lg. dec.	Lg. dec.	4.6	Common	Poor	Poor	79.8	49.5	49.5	3	3	39
black maple	0	Acer nigrum	Low	1.1	2.6	1.4	Lg. dec.	Very Lg. dec.	5.2	Rare	Poor	Lost	3.8	22.8	46.8	0	0	40
chinkapin oak	2	Quercus muehlenbergii	Medium	1.1	3	1.5	No change	No change	4.8	Rare	Poor	Poor	4	19.1	40.3	1.01	1.17	41
swamp chestnut oak	0	Quercus michauxii	Low	1.1	1.6	0.8	No change	Sm. dec.	4.6	Rare	Poor	Very Poor	3.8	13.2	24.9	0	0	42
eastern white pine	0	Pinus strobus	High	24.1	8	55.1	Lg. dec.	Very Lg. dec.	3.3	Common	Very Poor	Lost	51.1	66.1	66.1	2.42	0	43
eastern hemlock	0	Tsuga canadensis	High	2.7	3.1	4.3	Lg. dec.	Very Lg. dec.	2.7	Rare	Very Poor	Lost	8.9	65.6	73.6	0	0	44
black ash	0	Fraxinus nigra	Medium	0	0.9	1.2	Very Lg. dec.	Very Lg. dec.	1.7	Rare	Lost	Lost	11.8	60.3	70.8	0	0	45
pin cherry	0	Prunus pensylvanica	Low	2.1	0	0	Unknown	Unknown	4.2	Modeled	Unknown	Unknown	0	74	78.6	0	0	46
sweet birch	0	Betula lenta	High	6	0	0	Unknown	Unknown	3.2	Modeled	Unknown	Unknown	0	62.1	75	0	0	47
Virginia pine	0	Pinus virginiana	High	12	0	0	Unknown	Unknown	3.8	Modeled	Unknown	Unknown	0	30.5	57.3	0	0	48
American mountain-ash	0	Sorbus americana	Low	0	0	0	Unknown	Unknown	3.1	Absent	Unknown	Unknown	0	0.1	5.2	NA	NA	49
slash pine	0	Pinus elliotii	High	0	0	0	Unknown	New Habitat	4.3	Absent	Unknown	New Habitat	0	0	0	0	0	50
bluejack oak	0	Quercus incana	Low	0	0	0	Unknown	Unknown	4.8	Absent	Unknown	Unknown	0	0	0	0	0	51
mockernut hickory	3	Carya alba	Medium	0	0	0	New Habitat	New Habitat	5.4	Absent	New Habitat	New Habitat	5.5	77.7	79.4	1.49	1.47	52
eastern redbud	3	Cercis canadensis	Low	0	0	0	New Habitat	New Habitat	4.9	Absent	New Habitat	New Habitat	0	55.2	72	1	1	53

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shingle oak	3	Quercus imbricaria	Medium	0	0	0	New Habitat	New Habitat	4.9	Absent	New Habitat	New Habitat	0	33	59	1	1	54
red mulberry	3	Morus rubra	Low	0	0	0	New Habitat	New Habitat	4.7	Absent	New Habitat	New Habitat	0	32.9	56.7	0	1	55
hackberry	3	Celtis occidentalis	Medium	0	0	0	New Habitat	New Habitat	5.7	Absent	New Habitat	New Habitat	0	31.9	56.9	1.02	1.01	56
honeylocust	3	Gleditsia triacanthos	Low	0	0	0	New Habitat	New Habitat	5.5	Absent	New Habitat	New Habitat	0	20.5	47.9	1	1	57
eastern redcedar	3	Juniperus virginiana	Medium	0	0	0	New Habitat	New Habitat	3.9	Absent	New Habitat	New Habitat	0	13.6	42.3	1.86	4	58
common persimmon	3	Diospyros virginiana	Low	0	0	0	New Habitat	New Habitat	5.8	Absent	New Habitat	New Habitat	0	5.7	28	1	1	59
loblolly pine	3	Pinus taeda	High	0	0	0	New Habitat	New Habitat	3.4	Absent	New Habitat	New Habitat	0	1.4	14	0	3.04	60
southern red oak	3	Quercus falcata	Medium	0	0	0	New Habitat	New Habitat	5.3	Absent	New Habitat	New Habitat	0	0.6	10.6	0	1	61
shortleaf pine	3	Pinus echinata	High	0	0	0	New Habitat	New Habitat	3.6	Absent	New Habitat	New Habitat	0	0.2	6.2	0	1	62
post oak	3	Quercus stellata	High	0	0	0	New Habitat	New Habitat	5.7	Absent	New Habitat	New Habitat	0	0.2	4.5	1.91	6.37	63
winged elm	3	Ulmus alata	Medium	0	0	0	New Habitat	New Habitat	3.6	Absent	New Habitat	New Habitat	0	0.2	5.4	0	1.47	64
pecan	2	Carya illinoensis	Low	0	0	0	New Habitat	New Habitat	2.2	Absent	New Habitat	New Habitat	0	0	0	0	1	65
black hickory	0	Carya texana	High	0	0	0	New Habitat	New Habitat	4.1	Absent	New Habitat	New Habitat	0	0	0	0	0	66
sugarberry	3	Celtis laevigata	Medium	0	0	0	New Habitat	New Habitat	4.6	Absent	New Habitat	New Habitat	0	0	0.3	0	1.53	67
blackjack oak	3	Quercus marilandica	Medium	0	0	0	New Habitat	New Habitat	5.6	Absent	New Habitat	New Habitat	0	0	0.4	0	3.18	68
water oak	3	Quercus nigra	High	0	0	0	New Habitat	New Habitat	3.7	Absent	New Habitat	New Habitat	0	0	0.3	0	1	69
cedar elm	0	Ulmus crassifolia	Medium	0	0	0	New Habitat	New Habitat	3.3	Absent	New Habitat	New Habitat	0	0	0	0	0	70
chokecherry	0	Prunus virginiana	FIA Only	3	3.8	5.6	Unknown	Unknown	3.8	Common	FIA Only	FIA Only	61.5	77.8	77.8	0	0	71
Norway spruce	0	Picea abies	FIA Only	12.4	8	46.8	Unknown	Unknown	NA	Common	NNIS	NNIS	NA	NA	NA	NA	NA	72
Scotch pine	0	Pinus sylvestris	FIA Only	9.3	10.7	17.9	Unknown	Unknown	NA	Common	NNIS	NNIS	NA	NA	NA	NA	NA	73
ailanthus	0	Ailanthus altissima	FIA Only	3.4	18.2	30.4	Unknown	Unknown	NA	Common	NNIS	NNIS	NA	NA	NA	NA	NA	74