

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
hackberry	1	Celtis occidentalis	Medium	29.9	2	8.3	Sm. inc.	Sm. inc.	5.7	Common	Very Good	Very Good	36.1	64.7	64.8	2.25	2.06	1
yellow-poplar	1	Liriodendron tulipifera	High	46.9	6.7	88.7	No change	No change	5.3	Abundant	Very Good	Very Good	73.9	60	60	4.11	2.99	2
white oak	1	Quercus alba	Medium	47	4.3	74.7	Sm. inc.	Sm. inc.	6.1	Common	Very Good	Very Good	56	51.2	51.2	2.88	3.11	3
black walnut	1	Juglans nigra	Low	83.9	6.6	117.6	Sm. inc.	Sm. inc.	4	Abundant	Very Good	Very Good	80.8	44.8	44.8	3.33	3	4
northern red oak	1	Quercus rubra	Medium	84.6	5	86.8	No change	No change	5.4	Abundant	Very Good	Very Good	75.1	42.2	42.2	2.87	2.87	5
blackgum	1	Nyssa sylvatica	Medium	23.4	2.6	28.1	No change	No change	5.9	Common	Good	Good	59.2	64.3	64.3	2.97	2.98	6
Virginia pine	1	Pinus virginiana	High	4.2	0.6	0.3	Lg. inc.	Lg. inc.	3.8	Rare	Good	Good	3.5	63.4	73.9	0	1	7
black locust	1	Robinia pseudoacacia	Low	61.5	10	96.1	No change	No change	3.8	Abundant	Good	Good	80.6	58.2	58.2	3	3	8
bitternut hickory	1	Carya cordiformis	Low	64	4.3	57.8	No change	No change	5.6	Common	Good	Good	75.1	46.3	46.3	2.84	2.88	9
shagbark hickory	1	Carya ovata	Medium	75.2	7.1	78.4	No change	Sm. dec.	4.4	Abundant	Good	Fair	80.8	45	45	3	3	10
green ash	1	Fraxinus pennsylvanica	Low	61.5	5.7	87.1	No change	Sm. inc.	4	Abundant	Good	Very Good	80.8	44.6	44.6	3	3.32	11
bur oak	1	Quercus macrocarpa	Medium	9.3	2	9.3	No change	No change	6.4	Common	Good	Good	18.2	40.6	53.8	0	1.55	12
red maple	1	Acer rubrum	High	79.1	12.4	394.9	Lg. dec.	Lg. dec.	8.5	Abundant	Good	Good	80.8	20	20	4.1	3	13
American elm	1	Ulmus americana	Medium	97.9	6.3	180.5	No change	Sm. inc.	4	Abundant	Good	Very Good	80.8	16.4	16.4	4.26	5.24	14
sugar maple	1	Acer saccharum	High	100	17.1	467.1	Sm. dec.	Sm. dec.	5.8	Abundant	Good	Good	80.8	14.9	14.9	5.5	3.99	15
black willow	1	Salix nigra	Low	1.9	41.5	77.3	Sm. dec.	Sm. dec.	2.8	Abundant	Fair	Fair	42.6	78.6	78.6	0	2.39	16
honeylocust	1	Gleditsia triacanthos	Low	15.6	12.5	28.3	Sm. dec.	Sm. dec.	5.5	Common	Fair	Fair	41.2	71.3	72.5	2.03	2.54	17
silver maple	1	Acer saccharinum	Low	15.6	10.1	50.3	Sm. dec.	Lg. dec.	5.6	Common	Fair	Fair	55	70.9	70.9	2.3	2.68	18
Osage-orange	1	Maclura pomifera	Medium	13.9	25	58.7	Lg. dec.	Lg. dec.	6.3	Common	Fair	Fair	41.2	70.6	70.8	2.33	2.18	19
boxelder	1	Acer negundo	Low	25.5	12	55.6	Lg. dec.	Lg. dec.	7.4	Common	Fair	Fair	79.2	68.8	68.8	2.97	2.98	20
mockernut hickory	1	Carya alba	Medium	14.7	2.1	16	Sm. dec.	No change	5.4	Common	Fair	Good	55.6	66.4	66.4	2.94	2.64	21
flowering dogwood	1	Cornus florida	Medium	8.9	1.6	13.6	No change	No change	5	Common	Fair	Fair	67.1	65.7	65.7	3	3	22
pignut hickory	1	Carya glabra	Medium	21.6	2.3	20.9	No change	No change	4.7	Common	Fair	Fair	60.8	62.4	62.4	2.81	2.92	23
eastern hophornbeam; i	1	Ostrya virginiana	Low	41	3.8	51.5	Sm. dec.	Sm. dec.	6.4	Common	Fair	Fair	76.2	56	56	2.99	2.99	24
black oak	1	Quercus velutina	High	40	4.1	69.9	No change	Sm. inc.	4.9	Common	Fair	Good	56.5	51.9	51.9	2.63	3.19	25
American beech	1	Fagus grandifolia	High	71.1	6.3	91.8	Sm. dec.	Lg. dec.	3.6	Abundant	Fair	Fair	74.2	44.7	44.7	2.93	3	26
slippery elm	1	Ulmus rubra	Low	71.6	6	89.1	Sm. dec.	Sm. dec.	4.8	Abundant	Fair	Fair	80.5	39	39	2.99	2.99	27
white ash	1	Fraxinus americana	Medium	99.7	12.6	341.7	No change	No change	2.7	Abundant	Fair	Fair	80.8	21.5	21.5	4.23	3.53	28
black cherry	1	Prunus serotina	Medium	97.6	10.3	367.8	Sm. dec.	Sm. dec.	3	Abundant	Fair	Fair	80.8	14.7	14.7	3.86	3	29
eastern redbud	2	Cercis canadensis	Low	0.3	1.3	0.3	No change	No change	4.9	Rare	Poor	Poor	12.6	78.7	80.1	2.14	1.64	30
cucumbertree	0	Magnolia acuminata	Low	2.5	6.3	10.3	Sm. dec.	Sm. dec.	3.6	Common	Poor	Poor	20.1	74.5	77.5	0	0	31
pin oak	0	Quercus palustris	Low	8.6	11.7	48.3	Sm. dec.	Sm. dec.	2.8	Common	Poor	Poor	38.7	73.6	73.9	3	2.34	32
American hornbeam; m	0	Carpinus caroliniana	Low	6.3	1.3	8.8	Sm. dec.	Sm. dec.	5.1	Common	Poor	Poor	44.2	71.7	71.7	0	3	33
eastern cottonwood	0	Populus deltoides	Low	13	6.3	22.8	Sm. dec.	Sm. dec.	3.9	Common	Poor	Poor	56	70.7	70.7	1.77	2.39	34
shingle oak	2	Quercus imbricaria	Medium	7.7	10.2	25.8	Sm. dec.	Sm. dec.	4.9	Common	Poor	Poor	22.1	70.4	73.8	1.68	2.34	35
sycamore	0	Platanus occidentalis	Low	18.2	7.6	38.2	Sm. dec.	Sm. dec.	4.8	Common	Poor	Poor	51	69.8	69.8	2.53	2.54	36
scarlet oak	0	Quercus coccinea	Medium	9.6	5.8	26.3	Sm. dec.	Sm. dec.	4.6	Common	Poor	Poor	35.3	69.4	69.4	1.98	2.31	37
bigtooth aspen	0	Populus grandidentata	Medium	23.1	4.5	38.2	Lg. dec.	Lg. dec.	5.1	Common	Poor	Poor	65	66.8	66.8	0	0	38
red mulberry	0	Morus rubra	Low	0	0.8	0.5	No change	No change	4.7	Rare	Poor	Poor	12.7	65.6	73.6	0	0	39
American basswood	0	Tilia americana	Medium	39.4	3.7	25.3	Lg. dec.	Lg. dec.	4.6	Common	Poor	Poor	72.6	63.8	63.8	2.9	3	40
sassafras	0	Sassafras albidum	Low	25.5	5.8	55.6	Sm. dec.	Sm. dec.	4.2	Common	Poor	Poor	76	62.6	62.6	3	2.98	41
red pine	0	Pinus resinosa	Medium	7.8	7.8	16.2	Sm. dec.	Sm. dec.	3	Common	Poor	Poor	16.9	57.7	67.9	0	0	42
swamp white oak	0	Quercus bicolor	Low	2.1	11.1	7.8	Sm. dec.	Sm. dec.	4.9	Common	Poor	Poor	7.5	54.1	69.1	0	0	43
serviceberry	0	Amelanchier spp.	Low	7.7	1.4	3.5	Sm. dec.	Sm. dec.	4.8	Rare	Very Poor	Very Poor	51.5	74.4	74.4	0	0	44
yellow buckeye	0	Aesculus flava	Low	3.9	1.1	0.9	No change	No change	3.1	Rare	Very Poor	Very Poor	16.1	73.7	77.1	0	0	45
Ohio buckeye	0	Aesculus glabra	Low	10.8	2	4.3	Sm. dec.	Sm. dec.	3.5	Rare	Very Poor	Very Poor	55.2	70	70	2.52	2.53	46
pawpaw	0	Asimina triloba	Low	1.1	1.3	0.9	Lg. dec.	Very Lg. dec.	3.7	Rare	Very Poor	Lost	8.1	67.6	75.7	0	0	47
pitch pine	0	Pinus rigida	High	0.3	1.6	0.4	Sm. dec.	Very Lg. dec.	3.8	Rare	Very Poor	Lost	5.2	56.9	71.6	0	0	48
eastern hemlock	0	Tsuga canadensis	High	1.1	4.7	3.3	Lg. dec.	Very Lg. dec.	2.7	Rare	Very Poor	Lost	4.9	48.9	67.5	0	0	49
river birch	0	Betula nigra	Low	0.3	10.5	2.3	Sm. dec.	Sm. dec.	3.7	Rare	Very Poor	Very Poor	7.5	46.5	63.6	0	0	50
shellbark hickory	0	Carya laciniosa	Low	1.1	2.4	2.2	Sm. dec.	Sm. dec.	3.7	Rare	Very Poor	Very Poor	4.2	25.7	47.1	0	0	51
pin cherry	0	Prunus pensylvanica	Low	1.1	8.1	5.7	Very Lg. dec.	Sm. dec.	4.2	Common	Lost	Poor	19	77.8	79.5	0	0	52
black ash	0	Fraxinus nigra	Medium	5.8	9.9	11.1	Very Lg. dec.	Very Lg. dec.	1.7	Common	Lost	Lost	33.3	73.4	75	0	0	53

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eastern white pine	0	Pinus strobus	High	14.6	8.9	46.3	Very Lg. dec.	Very Lg. dec.	3.3	Common	Lost	Lost	56.5	68.2	68.3	0	0	54
black maple	0	Acer nigrum	Low	5.6	0.8	1.1	Very Lg. dec.	Sm. dec.	5.2	Rare	Lost	Poor	9.4	52.1	65.3	0	0	55
sweet birch	0	Betula lenta	High	4.2	0.6	0.3	Very Lg. dec.	Very Lg. dec.	3.2	Rare	Lost	Lost	3.4	48.7	67.2	0	0	56
quaking aspen	0	Populus tremuloides	High	1.1	1.4	1	Very Lg. dec.	Very Lg. dec.	4.7	Rare	Lost	Lost	5	43	62.8	0	0	57
blue ash	0	Fraxinus quadrangulata	Low	0	0	0	Unknown	Unknown	2.7	Absent	Unknown	Unknown	0	10.3	33.5	0	0	58
bigleaf magnolia	0	Magnolia macrophylla	Low	0	0	0	Unknown	Unknown	4.4	Absent	Unknown	Unknown	0	0.1	3.5	0	0	59
slash pine	0	Pinus elliotii	High	0	0	0	Unknown	Unknown	4.3	Absent	Unknown	Unknown	0	0	0	0	0	60
bluejack oak	0	Quercus incana	Low	0	0	0	Unknown	Unknown	4.8	Absent	Unknown	Unknown	0	0	0	0	0	61
chestnut oak	3	Quercus prinus	High	0	0	0	New Habitat	New Habitat	6.1	Absent	New Habitat	New Habitat	0	64.2	75.9	1.01	1.01	62
sourwood	3	Oxydendrum arboreum	High	0	0	0	New Habitat	New Habitat	6.9	Absent	New Habitat	New Habitat	0	57.8	72.7	0	1	63
eastern redcedar	3	Juniperus virginiana	Medium	1.1	0	0	New Habitat	New Habitat	3.9	Absent	New Habitat	New Habitat	0	45.4	67.5	1.1	3.92	64
sweetgum	3	Liquidambar styraciflua	High	5.3	0	0	New Habitat	New Habitat	4.1	Absent	New Habitat	New Habitat	1.8	41.2	61.4	0	1.51	65
common persimmon	3	Diospyros virginiana	Low	0	0	0	New Habitat	New Habitat	5.8	Absent	New Habitat	New Habitat	0	33.2	59	1	1	66
chinkapin oak	3	Quercus muehlenbergii	Medium	0	0	0	New Habitat	New Habitat	4.8	Absent	New Habitat	New Habitat	0	23.9	52	1	1	67
loblolly pine	3	Pinus taeda	High	0	0	0	New Habitat	New Habitat	3.4	Absent	New Habitat	New Habitat	0	4	23.5	0	2.54	68
shortleaf pine	3	Pinus echinata	High	0	0	0	New Habitat	New Habitat	3.6	Absent	New Habitat	New Habitat	0	2.5	17.7	0	1	69
southern red oak	3	Quercus falcata	Medium	0	0	0	New Habitat	New Habitat	5.3	Absent	New Habitat	New Habitat	0	2.4	18	0	1.42	70
winged elm	3	Ulmus alata	Medium	0	0	0	New Habitat	New Habitat	3.6	Absent	New Habitat	New Habitat	0	2.2	17.2	1	1.23	71
post oak	3	Quercus stellata	High	0	0	0	New Habitat	New Habitat	5.7	Absent	New Habitat	New Habitat	0	1.4	14.2	1.82	5.63	72
Shumard oak	3	Quercus shumardii	Low	0	0	0	New Habitat	New Habitat	5.8	Absent	New Habitat	New Habitat	0	0.8	12.1	1	1	73
pecan	3	Carya illinoensis	Low	0	0	0	New Habitat	New Habitat	2.2	Absent	New Habitat	New Habitat	0	0	0.2	0	1.38	74
black hickory	2	Carya texana	High	0	0	0	New Habitat	New Habitat	4.1	Absent	New Habitat	New Habitat	0	0	0	0	1	75
sugarberry	3	Celtis laevigata	Medium	0	0	0	New Habitat	New Habitat	4.6	Absent	New Habitat	New Habitat	0	0	1.5	0	1.17	76
blackjack oak	3	Quercus marilandica	Medium	0	0	0	New Habitat	New Habitat	5.6	Absent	New Habitat	New Habitat	0	0	0.6	1	1.76	77
chokecherry	0	Prunus virginiana	FIA Only	0	0.8	0.6	Unknown	Unknown	3.8	Rare	FIA Only	FIA Only	27	79.8	79.8	0	0	78
butternut	0	Juglans cinerea	FIA Only	1.1	1.3	0.9	Unknown	Unknown	2.3	Rare	FIA Only	FIA Only	6.1	36.4	55.4	NA	NA	79
Norway spruce	0	Picea abies	FIA Only	1.1	23.4	16.4	Unknown	Unknown	NA	Common	NNIS	NNIS	NA	NA	NA	NA	NA	80
Scotch pine	0	Pinus sylvestris	FIA Only	3.1	6.5	4.6	Unknown	Unknown	NA	Rare	NNIS	NNIS	NA	NA	NA	NA	NA	81
Norway maple	0	Acer platanoides	FIA Only	7	0.6	0.4	Unknown	Unknown	NA	Rare	NNIS	NNIS	NA	NA	NA	NA	NA	82
ailanthus	0	Ailanthus altissima	FIA Only	1.9	13.6	24.1	Unknown	Unknown	NA	Common	NNIS	NNIS	NA	NA	NA	NA	NA	83
white mulberry	0	Morus alba	FIA Only	4.6	4.2	7	Unknown	Unknown	NA	Common	NNIS	NNIS	NA	NA	NA	NA	NA	84