

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
black oak	1	Quercus velutina	High	36.4	7.9	96.1	Sm. inc.	Lg. inc.	4.9	Abundant	Very Good	Very Good	81	76.9	76.9	3.12	5.55	1
yellow-poplar	1	Liriodendron tulipifera	High	62.3	5.4	91.9	Sm. inc.	No change	5.3	Abundant	Very Good	Very Good	95.5	69.6	69.6	3.66	3	2
white oak	1	Quercus alba	Medium	58.3	5.3	95.4	Lg. inc.	Lg. inc.	6.1	Abundant	Very Good	Very Good	95.4	67.3	67.3	5.39	3.92	3
sugar maple	1	Acer saccharum	High	85.8	15	426.6	No change	No change	5.8	Abundant	Very Good	Very Good	95.5	52.2	52.2	3.54	3.83	4
northern red oak	1	Quercus rubra	Medium	85.2	6.3	184.3	No change	No change	5.4	Abundant	Very Good	Very Good	95.5	43.9	43.9	3	3	5
chestnut oak	1	Quercus prinus	High	7.5	5.6	16.4	No change	No change	6.1	Common	Good	Good	20.8	90.9	91.1	2.06	2.14	6
mockernut hickory	1	Carya alba	Medium	7.8	3.1	18.3	No change	No change	5.4	Common	Good	Good	78.9	87	87	2.81	2.81	7
pignut hickory	1	Carya glabra	Medium	11.8	2	11.8	Sm. inc.	Sm. inc.	4.7	Common	Good	Good	40.3	85.4	85.4	2.35	2.34	8
hackberry	1	Celtis occidentalis	Medium	10.2	2.4	18.4	No change	Sm. inc.	5.7	Common	Good	Very Good	41.9	78.8	82.7	2.71	2.1	9
bitternut hickory	1	Carya cordiformis	Low	40	3	41	No change	Sm. inc.	5.6	Common	Good	Very Good	93.2	69.6	69.6	3	2.97	10
sassafras	1	Sassafras albidum	Low	60.7	5.8	103.3	No change	No change	4.2	Abundant	Good	Good	95.5	68.8	68.8	3.01	3	11
black walnut	1	Juglans nigra	Low	58.8	7.2	125.6	No change	No change	4	Abundant	Good	Good	95.5	62.4	62.4	3	3	12
American elm	1	Ulmus americana	Medium	96.6	8.5	341.6	No change	No change	4	Abundant	Good	Good	95.5	33.5	33.5	3.17	4.32	13
red maple	1	Acer rubrum	High	100	15.9	666.6	Sm. dec.	Lg. dec.	8.5	Abundant	Good	Good	95.4	30.9	30.9	4.4	3.21	14
silver maple	1	Acer saccharinum	Low	2.4	25.6	40	Sm. dec.	Sm. dec.	5.6	Common	Fair	Fair	31	93.1	93.3	3	2.3	15
serviceberry	1	Amelanchier spp.	Low	7.6	2	9.3	No change	No change	4.8	Common	Fair	Fair	83.1	88.3	88.3	0	0	16
black maple	1	Acer nigrum	Low	3.3	4.9	16.9	Sm. dec.	Sm. dec.	5.2	Common	Fair	Fair	23.2	83.1	88.3	0	0	17
eastern cottonwood	1	Populus deltoides	Low	6.4	7.9	29.8	No change	No change	3.9	Common	Fair	Fair	35.9	82.8	86.8	3	2.73	18
boxelder	1	Acer negundo	Low	20.1	5.6	49.1	Sm. dec.	Sm. dec.	7.4	Common	Fair	Fair	83.1	82.4	82.4	2.85	2.87	19
blackgum	1	Nyssa sylvatica	Medium	21.1	4.4	40.2	Sm. dec.	No change	5.9	Common	Fair	Good	95.5	81.2	81.2	3	3	20
Osage-orange	1	Maclura pomifera	Medium	3.9	7.1	22.2	Sm. dec.	Sm. dec.	6.3	Common	Fair	Fair	35.1	79	87	2.87	2.36	21
eastern hophornbeam; i	1	Ostrya virginiana	Low	27.7	3.2	35.7	Sm. dec.	Lg. dec.	6.4	Common	Fair	Fair	95.3	75.4	75.4	3	3	22
American beech	1	Fagus grandifolia	High	37.1	9.4	149.9	Sm. dec.	Lg. dec.	3.6	Abundant	Fair	Fair	85.9	68.3	68.3	2.86	2.83	23
black locust	1	Robinia pseudoacacia	Low	77.5	10.6	260.4	Sm. dec.	Sm. dec.	3.8	Abundant	Fair	Fair	95.5	58.6	58.6	3.01	3.01	24
slippery elm	1	Ulmus rubra	Low	62.1	5	141	Sm. dec.	Sm. dec.	4.8	Abundant	Fair	Fair	95.5	52.7	52.7	3	3	25
white ash	1	Fraxinus americana	Medium	98.4	9.4	317.8	No change	No change	2.7	Abundant	Fair	Fair	95.5	37	37	3.27	3	26
black willow	0	Salix nigra	Low	4.7	31.9	74.6	Sm. dec.	Sm. dec.	2.8	Common	Poor	Poor	46.8	92.2	92.2	3	2.27	27
yellow birch	0	Betula alleghaniensis	High	0.7	13.6	6.6	Lg. dec.	Lg. dec.	3.4	Common	Poor	Poor	11.3	90.9	94	0	0	28
scarlet oak	2	Quercus coccinea	Medium	2.6	1.1	3.3	No change	No change	4.6	Rare	Poor	Poor	23.1	90.5	90.5	2.12	2.18	29
pitch pine	0	Pinus rigida	High	4	7.2	4.9	No change	No change	3.8	Rare	Poor	Poor	17.8	90.1	93.5	0	0	30
American hornbeam; m	0	Carpinus caroliniana	Low	4.6	2.7	11.6	Sm. dec.	Sm. dec.	5.1	Common	Poor	Poor	88.9	89	89	3	2.88	31
sycamore	1	Platanus occidentalis	Low	13.2	10.6	47	Sm. dec.	No change	4.8	Common	Poor	Fair	61	88.8	88.8	2.63	2.59	32
pin oak	0	Quercus palustris	Low	4.4	10.1	17.7	Sm. dec.	Sm. dec.	2.8	Common	Poor	Poor	25.9	87.8	91.6	3	2.46	33
flowering dogwood	0	Cornus florida	Medium	4.7	0.9	4.7	No change	No change	5	Rare	Poor	Poor	71.9	87	87	2.75	2.77	34
yellow buckeye	0	Aesculus flava	Low	1.9	7.1	8.9	Sm. dec.	Sm. dec.	3.1	Common	Poor	Poor	21.2	86.3	91.7	0	0	35
cucumber tree	0	Magnolia acuminata	Low	9.4	3.6	26.7	Sm. dec.	Sm. dec.	3.6	Common	Poor	Poor	55.2	84.4	84.4	0	0	36
bigtooth aspen	0	Populus grandidentata	Medium	9.9	8.1	65.5	Lg. dec.	Very Lg. dec.	5.1	Common	Poor	Lost	94.9	83	83	0	0	37
American basswood	0	Tilia americana	Medium	13.5	3.7	28	Lg. dec.	Lg. dec.	4.6	Common	Poor	Poor	79.7	82.8	82.8	3	0	38
shingle oak	0	Quercus imbricaria	Medium	6.8	3	19.8	Sm. dec.	Sm. dec.	4.9	Common	Poor	Poor	35	78.7	82.8	0	1	39
green ash	1	Fraxinus pennsylvanica	Low	15.6	3.7	41.6	Sm. dec.	No change	4	Common	Poor	Fair	56.6	78.2	78.2	2.6	2.37	40
shagbark hickory	0	Carya ovata	Medium	33.9	4.1	58.2	Sm. dec.	Sm. dec.	4.4	Common	Poor	Poor	87.1	73.2	73.2	2.88	2.9	41
Ohio buckeye	0	Aesculus glabra	Low	2.1	4.6	6.3	Sm. dec.	Sm. dec.	3.5	Common	Poor	Poor	15.2	65.7	81.9	0	0	42
chinkapin oak	2	Quercus muehlenbergii	Medium	1.1	2.5	1.7	No change	No change	4.8	Rare	Poor	Poor	5.1	36.8	59	1.44	1.33	43
black cherry	0	Prunus serotina	Medium	100	24.8	1262.7	Lg. dec.	Lg. dec.	3	Abundant	Poor	Poor	95.5	15.7	15.7	5.44	3.23	44
eastern hemlock	0	Tsuga canadensis	High	1.1	7	4.8	Sm. dec.	Sm. dec.	2.7	Rare	Very Poor	Very Poor	5.9	90.5	93.6	0	0	45
quaking aspen	0	Populus tremuloides	High	1.5	5.2	4.9	Sm. dec.	Sm. dec.	4.7	Rare	Very Poor	Very Poor	12.9	90.3	93	0	0	46
eastern white pine	0	Pinus strobus	High	10.5	12.7	59.5	Lg. dec.	Very Lg. dec.	3.3	Common	Very Poor	Lost	72.8	88.3	88.3	2.34	0	47
sweet birch	0	Betula lenta	High	11	14.2	31.1	Lg. dec.	Lg. dec.	3.2	Common	Very Poor	Very Poor	44.6	86.6	86.6	2.76	0	48
striped maple	0	Acer pensylvanicum	Medium	1.1	3.9	2.7	Sm. dec.	Sm. dec.	5.1	Rare	Very Poor	Very Poor	8.8	83.1	91.3	0	0	49
red mulberry	2	Morus rubra	Low	1.1	3.1	2.1	Sm. dec.	Sm. dec.	4.7	Rare	Very Poor	Very Poor	15.2	81.7	89.8	1.28	2.28	50
pawpaw	0	Asimina triloba	Low	3	1.8	2.3	Sm. dec.	Very Lg. dec.	3.7	Rare	Very Poor	Lost	19.7	78.7	88.4	0	0	51
swamp white oak	2	Quercus bicolor	Low	1.6	4.9	4.3	Sm. dec.	Sm. dec.	4.9	Rare	Very Poor	Very Poor	6.9	73.5	86.7	3	0	52
black ash	0	Fraxinus nigra	Medium	1.1	1.3	0.9	Very Lg. dec.	Very Lg. dec.	1.7	Rare	Lost	Lost	4.7	36.8	61.8	0	0	53

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pin cherry	0	Prunus pensylvanica	Low	1.1	0	0	Unknown	Unknown	4.2	Modeled	Unknown	Unknown	2.6	94.6	95.4	0	0	54
American holly	0	Ilex opaca	Medium	4.7	0	0	Unknown	Unknown	4.5	Modeled	Unknown	Unknown	0.1	27.2	57.9	0	0	55
blue ash	0	Fraxinus quadrangulata	Low	0	0	0	Unknown	Unknown	2.7	Absent	Unknown	Unknown	0	0.2	6.9	0	0	56
cittamwood/gum bumel	0	Sideroxylon lanuginosum ssp	Low	0	0	0	Unknown	New Habitat	5.6	Absent	Unknown	New Habitat	0	0	0	0	0	57
loblolly-bay	0	Gordonia lasianthus	Medium	0	0	0	Unknown	Unknown	3.9	Absent	Unknown	Unknown	0	0	0.2	0	0	58
bluejack oak	0	Quercus incana	Low	0	0	0	Unknown	Unknown	4.8	Absent	Unknown	Unknown	0	0	0	0	0	59
eastern redbud	3	Cercis canadensis	Low	0	0	0	New Habitat	New Habitat	4.9	Absent	New Habitat	New Habitat	0	88.9	94.1	1.29	1.24	60
Virginia pine	3	Pinus virginiana	High	0	0	0	New Habitat	New Habitat	3.8	Absent	New Habitat	New Habitat	0	81.9	91.7	1.03	1.02	61
sourwood	3	Oxydendrum arboreum	High	0	0	0	New Habitat	New Habitat	6.9	Absent	New Habitat	New Habitat	0	70.8	87.2	1	1	62
honeylocust	3	Gleditsia triacanthos	Low	1.1	0	0	New Habitat	New Habitat	5.5	Absent	New Habitat	New Habitat	0	37.6	67.6	1	1.01	63
eastern redcedar	3	Juniperus virginiana	Medium	0	0	0	New Habitat	New Habitat	3.9	Absent	New Habitat	New Habitat	0	31.1	65.2	1.95	4	64
common persimmon	3	Diospyros virginiana	Low	0	0	0	New Habitat	New Habitat	5.8	Absent	New Habitat	New Habitat	0	28.5	61.1	1	1	65
sweetgum	3	Liquidambar styraciflua	High	0	0	0	New Habitat	New Habitat	4.1	Absent	New Habitat	New Habitat	0	19.7	53.8	0	1.01	66
loblolly pine	3	Pinus taeda	High	0	0	0	New Habitat	New Habitat	3.4	Absent	New Habitat	New Habitat	0	11.7	42.3	0	3.11	67
southern red oak	3	Quercus falcata	Medium	0	0	0	New Habitat	New Habitat	5.3	Absent	New Habitat	New Habitat	0	5.2	28.7	1	1.22	68
shortleaf pine	3	Pinus echinata	High	0	0	0	New Habitat	New Habitat	3.6	Absent	New Habitat	New Habitat	0	2.1	19.3	1	2.03	69
winged elm	3	Ulmus alata	Medium	0	0	0	New Habitat	New Habitat	3.6	Absent	New Habitat	New Habitat	0	0.8	12.1	1	1.58	70
post oak	3	Quercus stellata	High	0	0	0	New Habitat	New Habitat	5.7	Absent	New Habitat	New Habitat	0	0.5	9.1	1.48	6.23	71
Shumard oak	3	Quercus shumardii	Low	0	0	0	New Habitat	New Habitat	5.8	Absent	New Habitat	New Habitat	0	0.2	4.9	1	1	72
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	73
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	74
sugarberry	3	Celtis laevigata	Medium	0.9	0	0	New Habitat	New Habitat	4.6	Absent	New Habitat	New Habitat	0	0	0.6	0	1.17	75
blackjack oak	3	Quercus marilandica	Medium	0	0	0	New Habitat	New Habitat	5.6	Absent	New Habitat	New Habitat	0	0	0.9	0	2.05	76
chokecherry	0	Prunus virginiana	FIA Only	3.2	9.9	13.6	Unknown	Unknown	3.8	Common	FIA Only	FIA Only	32.4	93.4	93.4	0	0	77
butternut	0	Juglans cinerea	FIA Only	1.9	4.3	5.2	Unknown	Unknown	2.3	Common	FIA Only	FIA Only	19.3	87.2	91.6	NA	NA	78
northern catalpa	0	Catalpa speciosa	FIA Only	0.2	5.1	0.7	Unknown	Unknown	4.2	Rare	FIA Only	FIA Only	4.6	29.6	49.9	0	0	79
Norway spruce	0	Picea abies	FIA Only	0.4	4.3	1.1	Unknown	Unknown	NA	Rare	NNIS	NNIS	NA	NA	NA	NA	NA	80
Scotch pine	0	Pinus sylvestris	FIA Only	2.5	9.1	14.8	Unknown	Unknown	NA	Common	NNIS	NNIS	NA	NA	NA	NA	NA	81
Norway maple	0	Acer platanoides	FIA Only	3.5	2.3	5.1	Unknown	Unknown	NA	Common	NNIS	NNIS	NA	NA	NA	NA	NA	82
ailanthus	0	Ailanthus altissima	FIA Only	19.6	4.2	46.1	Unknown	Unknown	NA	Common	NNIS	NNIS	NA	NA	NA	NA	NA	83
white mulberry	0	Morus alba	FIA Only	0	0.4	0.3	Unknown	Unknown	NA	Rare	NNIS	NNIS	NA	NA	NA	NA	NA	84