

CLIMATE-READY TREES FOR FIVE CLIMATE ZONES OF NEW MEXICO

How to Use These Lists

The following tree species selection lists should only be used as a starting point when determining the right tree for the right place. They should always be used in conjunction with the Master spreadsheet, planting site characteristics, local expert knowledge, and applicable local or municipal tree ordinances.

Finally, it is important that trees be planted correctly and all trees need additional irrigation during an establishment period, usually the first three years after planting. Please consult local resources for proper planting techniques and specific watering guidance.

All USDA Hardiness Zones listed below are the projected zone at end of century.



Photo Credit: Roberto Rosales

USDA HARDINESS ZONE 7B/8A

CHAMA, LAS VEGAS, TAOS,
SPRINGER, MAXWELL, CIMARRON,
CLAYTON, RATON

USDA HARDINESS ZONE 8B

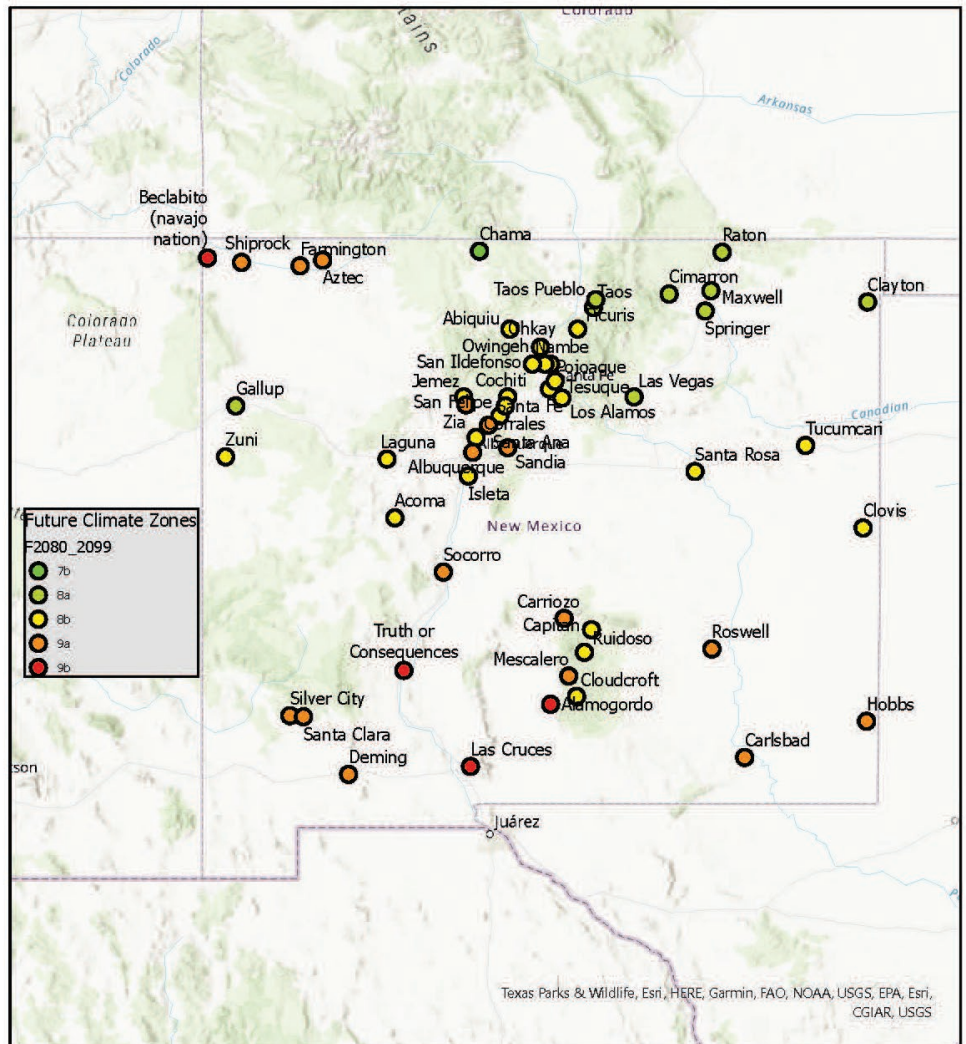
CLOUDCROFT, RUIDOSO, CAPITAN,
SANTA ROSA, CLOVIS, TUCUMCARI,
TIJERAS, SANTA FE

USDA HARDINESS ZONE 9A

DEMING, SILVER CITY, CARLSBAD,
HOBBS, ROSWELL, CARRIOZO,
SOCORRO, ALBUQUERQUE, SHIPROCK,
FARMINGTON

USDA HARDINESS ZONE 9B

LAS CRUCES, ALAMOGORDO, TRUTH
OR CONSEQUENCES, BECLABITO
(NAVAJO NATION)



Texas Parks & Wildlife, Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, Esri, CGIAR, USGS

Climate-Ready Trees for New Mexico

USDA HARDINESS ZONE 7B/8A

CHAMA, LAS VEGAS, TAOS, SPRINGER, MAXWELL, CIMARRON, CLAYTON, RATON

RECOMMENDED TREES SPECIES

Persian Silk Tree/ Mimosa	<i>Albizia julibrissin</i>
Northern Catalpa	<i>Catalpa speciosa</i>
Atlas Cedar	<i>Cedrus atlantica</i>
Deodar Cedar	<i>Cedrus deodar</i>
Netleaf Hackberry	<i>Celtis reticulata</i>
Eastern Redbud	<i>Cercis canadensis</i>
Mexican Redbud	<i>Cercis mexicana</i>
Oklahoma Redbud	<i>Cercis reniformis</i>
Texas Redbud	<i>Cercis texicana</i>
Smoketree	<i>Cotinus coggygria</i>
Texas Persimmon	<i>Diospyros texana</i>
New Mexico Olive	<i>Forestiera Neomexicana</i>
Ginkgo	<i>Ginkgo biloba</i>
Kentucky Coffeetree	<i>Gymnocladus dioica</i>
Yaupon Holly	<i>Ilex vomitoria</i>
Alligator Juniper	<i>Juniperus deppeana</i>
Rocky Mountain Juniper	<i>Juniperus scopulorum</i>
Eastern Redcedar	<i>Juniperus virginiana</i>
Osage Orange	<i>Maclura pomifera</i>
Mexican Pinyon Pine	<i>Pinus cembroides</i>
Two-Needle Pinyon	<i>Pinus edulis</i>
Afghan Pine	<i>Pinus eldarica</i>
Scotch Pine	<i>Pinus sylvestris</i>
Chinese Pistache	<i>Pistacia chinensis</i>
Mexican Sycamore	<i>Platanus mexicana</i>
Honey Mesquite	<i>Prosopis glandulosa</i>
Apricot	<i>Prunus armeniaca</i>
Burr Oak	<i>Quercus macrocarpa</i>
Chinquapin Oak	<i>Quercus muhlenbergii</i>
Prairie Flameleaf Sumac	<i>Rhus lanceolata</i>
Western Soapberry	<i>Sapindus saponaria var. drummondii</i>
Lacebark/Chinese Elm	<i>Ulmus parvifolia</i>
Box Elder*	<i>Acer negundo*</i>
Tartarian "Hot Wing" Maple*	<i>Acer tartarica*</i>
Western Redbud*	<i>Cercis occidentalis*</i>
Arizona Cypress*	<i>Cupressus arizonica*</i>
American Sweetgum*	<i>Liquidambar styraciflua*</i>
Black Pine*	<i>Pinus nigra*</i>
Cherry Plum*	<i>Prunus cerastifera*</i>
Wild Plum*	<i>Prunus spp. (americana)*</i>
Black Chokecherry (Western Variety)*	<i>Prunus virginiana var melomacarpa*</i>
Shumard Oak*	<i>Quercus shumardii*</i>
American Elm*	<i>Ulmus americana*</i>
Japanese Zelkova*	<i>Zelkova serrata</i>
Arizona White Oak	<i>Quercus arizonica</i>
Escarpment Live Oak	<i>Quercus fusiformis</i>
English Oak	<i>Quercus robur</i>
Texas Red Oak	<i>Quercus texana (buckleyii)</i>
Cedar Elm	<i>Ulmus crassifolia</i>

Right Tree, Right Place

Keeping mature size and other species characteristics in mind when matching a tree species to the site. Always consider overhead and underground utilities, proximity to buildings and traffic, the users of the space and maintenance and upkeep.

All trees need supplemental irrigation during the establishment period.

* These species have further site specific soil or drought tolerance needs outlined in the Master Spreadsheet

Climate-Ready Trees for New Mexico

USDA HARDINESS ZONE 8B

CLOUDCROFT, RUIDOSO, CAPITAN, SANTA ROSA, CLOVIS, TUCUMCARI, TIJERAS, SANTA FE

RECOMMENDED TREES SPECIES

Bigtooth Maple	<i>Acer grandidentatum</i>
Persian Silk Tree/ Mimosa	<i>Albizia julibrissin</i>
Northern Catalpa	<i>Catalpa speciosa</i>
Atlas Cedar	<i>Cedrus atlantica</i>
Deodar Cedar	<i>Cedrus deodar</i>
Prairie Pride Hackberry	<i>Celtis occidentalis</i>
Eastern Redbud	<i>Cercis canadensis</i>
Mexican Redbud	<i>Cercis mexicana</i>
Oklahoma Redbud	<i>Cercis reniformis</i>
Texas Redbud	<i>Cercis texicana</i>
Desert Willow	<i>Chilopsis Linearis</i>
Smoketree	<i>Cotinus coggygria</i>
Texas Persimmon	<i>Diospyros texana</i>
New Mexico Olive	<i>Forestiera Neomexicana</i>
Kentucky Coffeetree	<i>Gymnocladus dioicus</i>
Yaupon Holly	<i>Ilex vomitoria</i>
Eastern Redcedar	<i>Juniperus virginiana</i>
Crape Myrtle	<i>Lagerstroemia indica</i>
Golden-ball Leadtree	<i>Leucaena retusa</i>
Osage Orange	<i>Maclura pomifera</i>
Afghan Pine	<i>Pinus eldarica</i>
Italian Stone Pine	<i>Pinus pinea</i>
Japanese Black Pine	<i>Pinus thunbergiana</i>
Chinese Pistache	<i>Pistacia chinensis</i>
Mexican Sycamore	<i>Platanus mexicana</i>
Honey Mesquite	<i>Prosopis glandulosa</i>
Arizona White Oak	<i>Quercus arizonica</i>
Texas Red Oak	<i>Quercus buckleyi</i>
Escarpment Live Oak	<i>Quercus fusiformis</i>
Burr Oak	<i>Quercus macrocarpa</i>
Chinquapin Oak	<i>Quercus muhlenbergii</i>
English Oak	<i>Quercus robur</i>
Southern Live Oak	<i>Quercus virginiana</i>
Prairie Flameleaf Sumac	<i>Rhus lanceolata</i>
Mexican Elder	<i>Sambucus mexicana</i>
Western Soapberry	<i>Sapindus saponaria var. drummondii</i>
Tx. Mt. Laurel	<i>Sophora secundiflora</i>
Cedar Elm	<i>Ulmus crassifolia</i>
Lacebark/Chinese Elm	<i>Ulmus parvifolia</i>
Chaste Tree	<i>Vitex agnus castus</i>
Japanese Zelkova	<i>Zelkova serrata</i>
Box Elder*	<i>Acer negundo*</i>
Tartarian "Hot Wing" Maple	<i>Acer tartarica</i>
Netleaf Hackberry	<i>Celtis reticulata*</i>
Western Redbud*	<i>Cercis occidentalis*</i>
Arizona Cypress*	<i>Cupressus arizonica*</i>
Japanese Persimmon*	<i>Diospyros kaki*</i>
Thornless Honey Locust*	<i>Gleditsia tricanthos inermis*</i>
Black Pine*	<i>Pinus nigra*</i>
Cherry Plum*	<i>Prunus cerastifera*</i>
Wild Plum*	<i>Prunus spp.*</i>
Black Chokecherry (Western Variety)*	<i>Prunus virginiana var melomacarpa*</i>
Holly Oak*	<i>Quercus ilex*</i>
American Elm*	<i>Ulmus americana*</i>

Right Tree, Right Place

Keeping mature size and other species characteristics in mind when matching a tree species to the site. Always consider overhead and underground utilities, proximity to buildings and traffic, the users of the space and maintenance and upkeep.

All trees need supplemental irrigation during the establishment period.

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Climate-Ready Trees for New Mexico

USDA HARDINESS ZONE 9A

DEMING, SILVER CITY, CARLSBAD, HOBBS, ROSWELL, CARRIZO, SOCORRO, ALBUQUERQUE, SHIPROCK, FARMINGTON

RECOMMENDED TREES SPECIES

Persian Silk Tree/ Mimosa	<i>Albizia julibrissin</i>
Atlas Cedar	<i>Cedrus atlantica</i>
Deodar Cedar	<i>Cedrus deodar</i>
Netleaf Hackberry	<i>Celtis reticulata</i>
Mexican Redbud	<i>Cercis mexicana</i>
Oklahoma Redbud	<i>Cercis reniformis</i>
Texas Redbud	<i>Cercis texicana</i>
Desert Willow	<i>Chilopsis linearis</i>
Arizona Cypress	<i>Cupressus arizonica</i>
Texas Persimmon	<i>Diospyros texana</i>
New Mexico Olive	<i>Forestiera neomexicana</i>
Ginkgo	<i>Ginkgo biloba</i>
Yaupon Holly	<i>Ilex vomitoria</i>
Alligator Juniper	<i>Juniperus deppeana</i>
Eastern Red Cedar	<i>Juniperus virginiana</i>
Crape Myrtle	<i>Lagerstroemia indica</i>
Golden-ball Leadtree	<i>Leucaena retusa</i>
Osage Orange	<i>Maclura pomifera</i>
Little Leaf Mulberry	<i>Morus microphylla</i>
Afghan Pine	<i>Pinus eldarica</i>
Italian Stone Pine	<i>Pinus pinea</i>
Chinese Pistache	<i>Pistacia chinensis</i>
Mexican Sycamore	<i>Platanus mexicana</i>
Honey Mesquite	<i>Prosopis glandulosa</i>
Screwbean Mesquite	<i>Prosopis pubescens</i>
Arizona White Oak	<i>Quercus arizonica</i>
Texas Red Oak	<i>Quercus buckleyi</i>
Escarpment Live Oak	<i>Quercus fusiformis</i>
Chinquapin Oak	<i>Quercus muehlenbergii</i>
Southern Live Oak	<i>Quercus virginiana</i>
Mexican Elder	<i>Sambucus mexicana</i>
Western Soapberry	<i>Sapindus saponaria var. drummondii</i>
Texas Mountain Laurel	<i>Sophora secundiflora</i>
Cedar Elm	<i>Ulmus crassifolia</i>
Lacebark/Chinese Elm	<i>Ulmus parvifolia</i>
Chaste Tree	<i>Vitex agnus-castus</i>
Western Redbud*	<i>Cercis occidentalis*</i>
Japanese Persimmon*	<i>Diospyros kaki*</i>
Thornless Honey Locust*	<i>Gleditsia triacanthos f. inermis*</i>
American Sweetgum*	<i>Liquidambar styraciflua*</i>
Southern Wax Myrtle*	<i>Morella cerifera*</i>
Holly Oak*	<i>Quercus ilex*</i>
Bur Oak	<i>Quercus macrocarpa</i>
English Oak	<i>Quercus robur</i>
American Elm*	<i>Ulmus americana*</i>
Japanese Zelkova	<i>Zelkova serrata</i>

Right Tree, Right Place

Keeping mature size and other species characteristics in mind when matching a tree species to the site. Always consider overhead and underground utilities, proximity to buildings and traffic, the users of the space and maintenance and upkeep.

All trees need supplemental irrigation during the establishment period.

* These species have further site specific soil or drought tolerance needs outlined in the Master Spreadsheet

Climate-Ready Trees for New Mexico

USDA HARDINESS ZONE 9B

LAS CRUCES, ALAMOGORDO, TRUTH OR CONSEQUENCES, BECLABITO (NAVAJO NATION)

RECOMMENDED TREES SPECIES

Persian Silk Tree/ Mimosa	<i>Albizia julibrissin</i>
Atlas Cedar	<i>Cedrus atlantica</i>
Deodar Cedar	<i>Cedrus deodar</i>
Cedar of Lebanon	<i>Cedrus libani</i>
Netleaf Hackberry	<i>Celtis reticulata</i>
Mediterranean Fan Palm	<i>Chamaerops humilis</i>
Desert Willow	<i>Chilopsis linearis</i>
Arizona Cypress	<i>Cupressus arizonica</i>
Italian Cypress	<i>Cupressus sempervirens</i>
Texas Persimmon	<i>Diospyros texana</i>
Coolibah Tree	<i>Eucalyptus microtheca</i>
New Mexico Olive	<i>Forestiera neomexicana</i>
Evergreen Ash	<i>Fraxinus uhdei</i>
Yaupon Holly	<i>Ilex vomitoria</i>
Chinese Juniper	<i>Juniperus chinensis</i>
Alligator Juniper	<i>Juniperus deppeana</i>
Oneseed Juniper	<i>Juniperus monosperma</i>
Eastern Red Cedar	<i>Juniperus virginiana</i>
Golden Rain Tree	<i>Koelreuteria paniculata</i>
Golden-ball Leadtree	<i>Leucaena retusa</i>
Fruitless Olive	<i>Olea europaea</i>
Palo Verde species and cultivars	<i>Parkinsonia spp.</i>
Palo Verde 'Desert Museum' hybrid	<i>Parkinsonia x Cercidium</i>
Afghan Pine	<i>Pinus eldarica</i>
Aleppo Pine	<i>Pinus halepensis</i>
Italian Stone Pine	<i>Pinus pinea</i>
Chinese Pistache	<i>Pistacia chinensis</i>
Mexican Sycamore	<i>Platanus mexicana</i>
Honey Mesquite	<i>Prosopis glandulosa</i>
Arizona White Oak	<i>Quercus arizonica</i>
Southern Red Oak	<i>Quercus falcata</i>
Escarpment Live Oak	<i>Quercus fusiformis</i>
Valley Oak	<i>Quercus lobata</i>
Chinkapin Oak	<i>Quercus muehlenbergii</i>
Cork Oak	<i>Quercus suber</i>
Southern Live Oak	<i>Quercus virginiana</i>
Interior Live Oak	<i>Quercus wislizeni</i>
Mexican Elder	<i>Sambucus mexicana</i>
Western Soapberry	<i>Sapindus saponaria var. drummondii</i>
Texas Mountain Laurel	<i>Sophora secundiflora</i>
Cedar Elm	<i>Ulmus crassifolia</i>
Lacebark/Chinese Elm	<i>Ulmus parvifolia</i>
Chaste Tree	<i>Vitex agnus-castus</i>
Mexican Redbud	<i>Cercis mexicana</i>
Western Redbud*	<i>Cercis occidentalis*</i>
Rocky Mountain Juniper*	<i>Juniperus scopulorum*</i>
Osage Orange	<i>Maclura pomifera</i>
Southern Wax Myrtle*	<i>Morella cerifera*</i>
Bur Oak	<i>Quercus macrocarpa</i>
English Oak	<i>Quercus robur</i>
Shumard Oak*	<i>Quercus shumardii*</i>
Japanese Pagoda Tree*	<i>Sophora japonica*</i>
Montezuma Cypress*	<i>Taxodium mucronatum*</i>

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