

1510.0241 STANDARDIZED GERMINATION TESTING PROCEDURES AVAILABLE.

A. In accordance with Minnesota Statutes, section 21.83, subdivision 2, paragraph (h), item B lists the kinds of tree and shrub seed that have standardized germination testing procedures available for them.

B. Tree and shrub seeds with standardized germination testing procedures available for them are as follows:

- (1) *Abies amabilis* (Dougl.) Forbes, Pacific Silver Fir;
- (2) *Abies balsamea* (L.) Mill., Balsam Fir;
- (3) *Abies concolor* (Gord. and Glend.) Lindl., White Fir;
- (4) *Abies fraseri* (Pursh.) Poir, Fraser Fir;
- (5) *Abies grandis* (Dougl.) Lindl., Grand Fir;
- (6) *Abies homolepis* Sieb. and Zucc., Nikko Fir;
- (7) *Abies lasiocarpa* (Hook.) Nutt., Subalpine Fir;
- (8) *Abies magnifica* A. Murr., California Red Fir;
- (9) *Abies magnifica* var. *shastensis* Lemm., Shasta Red Fir;
- (10) *Abies procera* Rehd., Nobel Fir;
- (11) *Abies veitchii* (Lindl.), Veitch Fir;
- (12) *Acer ginnala* Maxim., Amur Maple;
- (13) *Acer macrophyllum* Pursh., Bigleaf Maple;
- (14) *Acer negundo* L., Box Elder;
- (15) *Acer pensylvanicum* L., Striped Maple;
- (16) *Acer platanoides* L., Norway Maple;
- (17) *Acer pseudoplatanus* L., Sycamore Maple;
- (18) *Acer rubrum* L., Red Maple;
- (19) *Acer saccharinum* L., Silver Maple;
- (20) *Acer saccharum* Marsh., Sugar Maple;
- (21) *Acer spicatum* Lam., Mountain Maple;
- (22) *Aesculus pavia* L., Red Buckeye;
- (23) *Ailanthus altissima* (Mill.) Swingle, Tree of Heaven, Ailanthus;

- (24) *Berberis thunbergii* DC., Japanese Barberry;
- (25) *Berberis vulgaris* L., European Barberry;
- (26) *Betula lenta* L., Sweet Birch;
- (27) *Betula alleghaniensis* Britton, Yellow Birch;
- (28) *Betula nigra* L., River Birch;
- (29) *Betula papyrifera* Marsh., Paper Birch;
- (30) *Betula pendula* Roth., European White Birch;
- (31) *Betula populifolia* Marsh., Gray Birch;
- (32) *Carya illinoensis* (Wang.) K. Koch, Pecan;
- (33) *Carya ovata* (Mill) K. Koch, Shagbark Hickory;
- (34) *Casuarina* spp., Beefwood;
- (35) *Catalpa bignonioides* Walt., Southern Catalpa;
- (36) *Catalpa speciosa* Warder., Northern Catalpa;
- (37) *Cedrus atlantica* Manetti, Atlas Cedar;
- (38) *Cedrus deodara* (Roxb.) Loud., Deodar Cedar;
- (39) *Cedrus libani* (Loud.), Cedar of Lebanon;
- (40) *Celastrus scandens* L., American Bittersweet;
- (41) *Celastrus orbiculata* Thunb., Oriental Bittersweet;
- (42) *Chamaecyparis lawsoniana* (A. Murr.) Parl, Port Orford Cedar;
- (43) *Chamaecyparis nootkatensis* (D. Don.) Spach., Alaska Cedar;
- (44) *Cornus florida* L., Flowering Dogwood;
- (45) *Cornus Stolonifera* Michx., Red osier Dogwood;
- (46) *Crataegus mollis*, Downy Hawthorn;
- (47) *Cupressus arizonica* Greene, Arizona Cypress;
- (48) *Eucalyptus deglupta*;
- (49) *Eucalyptus grandis*;
- (50) *Fraxinus americana* L., White Ash;
- (51) *Fraxinus excelsior* L., European Ash;
- (52) *Fraxinus latifolia* Benth., Oregon Ash;

- (53) *Fraxinus nigra* Marsh., Black Ash;
- (54) *Fraxinus pensylvanica* Marsh., Green Ash;
- (55) *Fraxinus pensylvanica* var. *lanceolata* (Borkh.) Sarg., Green Ash;
- (56) *Gleditsia triacanthos* L., Honey Locust;
- (57) *Grevillea robusta*, Silk-oak;
- (58) *Larix decidua* Mill., European Larch;
- (59) *Larix eurolepis* Henry, Dunkfeld Larch;
- (60) *Larix leptolepis* (Sieb. and Zucc.) Gord., Japanese Larch;
- (61) *Larix occidentalis* Nutt., Western Larch;
- (62) *Larix sibirica* Ledeb., Siberian Larch;
- (63) *Libocedrus decurrens*, incense-cedar;
- (64) *Liquidambar styraciflua* L., Sweetgum;
- (65) *Liriodendron tulipifera* L., yellow-poplar;
- (66) *Magnolia grandiflora*, Southern magnolia;
- (67) *Malus* spp., Apple;
- (68) *Malus* spp., Crabapple;
- (69) *Nyssa aquatica* L., Water tupelo;
- (70) *Nyssa sylvatica* var. *sylvatica*, Black tupelo;
- (71) *Picea abies* (L.) Karst., Norway Spruce;
- (72) *Picea engelmanni* Parry, Engelmann Spruce;
- (73) *Picea glauca* (Moench.) Voss, White Spruce;
- (74) *Picea glauca* var. *albertiana* (S. Brown) Sarg., Western White Spruce,
Alberta White Spruce;
- (75) *Picea glehnii* (Fr. Schmidt) Mast., Sakhalin Spruce;
- (76) *Picea jezoensis* (Sieb. and Zucc.) Carr, Yeddo Spruce;
- (77) *Picea Koyamai* Shiras, Koyama Spruce;
- (78) *Picea mariana* (Mill.) B.S.P., Black Spruce;
- (79) *Picea omorika* (Pancic.) Purkyne, Serbian Spruce;
- (80) *Picea orientalis* (L.) Link., Oriental Spruce;
- (81) *Picea polita* (Sieb. and Zucc.) Carr, Tigertail Spruce;

- (82) *Picea pungens* Engelm., Blue Spruce, Colorado Spruce;
- (83) *Picea pungens* var. *glauca* Reg., Colorado Blue Spruce;
- (84) *Picea rubens* Sar., Red Spruce;
- (85) *Picea sitchensis* (Bong.) Carr, Sitka Spruce;
- (86) *Pinus albicaulis* Engelm., Whitebark Pine;
- (87) *Pinus aristata* Engelm., Bristlecone Pine;
- (88) *Pinus banksiana* Lamb., Jack Pine;
- (89) *Pinus canariensis* C. Smith, Canary Pine;
- (90) *Pinus caribaea*, Caribbean Pine;
- (91) *Pinus cembroides* Zucc., Mexican Pinyon Pine;
- (92) *Pinus clausa*, Sand Pine;
- (93) *Pinus contorta* Dougl., Lodgepole Pine;
- (94) *Pinus contorta* var. *latifolia* Engelm., Lodgepole Pine;
- (95) *Pinus coulteri* D. Don., Coulter Pine, Bigcone Pine;
- (96) *Pinus densiflora* Sieb. and Zucc., Japanese Red Pine;
- (97) *Pinus echinata* Mill., Shortleaf Pine;
- (98) *Pinus elliotii* Engelm., Slash Pine;
- (99) *Pinus flexilis* James, Limber Pine;
- (100) *Pinus glabra* Walt., Spruce Pine;
- (101) *Pinus griffithii* McClelland, Himalayan Pine;
- (102) *Pinus halepensis* Mill., Aleppo Pine;
- (103) *Pinus jeffreyi* Grev. and Balf., Jeffrey Pine;
- (104) *Pinus khasya* Royle, Khasia Pine;
- (105) *Pinus lambertiana* Dougl., Sugar Pine;
- (106) *Pinus heldreichii* var. *leucodermis* (Ant.) Markgraf ex Fitschen,
Balkan Pine, Bosnian Pine;
- (107) *Pinus markusii* DeVriese, Markus Pine;
- (108) *Pinus monticola* Dougl., Western White Pine;
- (109) *Pinus mugo* Turra., Mountain Pine;
- (110) *Pinus mugo* var. *mughus* (Scop.) Zenari, Mugo Swiss Mountain Pine;

- (111) *Pinus muricata* D. Don., Bishop Pine;
- (112) *Pinus nigra* Arnold, Austrian Pine;
- (113) *Pinus nigra poiretiana* (Ant.) Aschers and Graebn., Corsican Pine;
- (114) *Pinus palustris* Mill., Longleaf Pine;
- (115) *Pinus parviflora* Sieb. and Zucc., Japanese White Pine;
- (116) *Pinus patula* Schl. and Cham., Jelecote Pine;
- (117) *Pinus pinaster* Sol., Cluster Pine;
- (118) *Pinus pinea* L., Italian Stone Pine;
- (119) *Pinus ponderosa* Laws., Ponderosa Pine, Western Yellow Pine;
- (120) *Pinus radiata* D. Don., Monterey Pine;
- (121) *Pinus resinosa* Ait., Red Pine, Norway Pine;
- (122) *Pinus rigida* Mill., Pitch Pine;
- (123) *Pinus serotina* Michx., Pond Pine;
- (124) *Pinus strobus* L., Eastern White Pine;
- (125) *Pinus sylvestris* L., Scotch Pine;
- (126) *Pinus taeda* L., Loblolly Pine;
- (127) *Pinus taiwanensis* Hayata, Formosa pine;
- (128) *Pinus thunbergii* Parl., Japanese Black pine;
- (129) *Pinus virginiana* Mill., Virginia Pine, Scrub Pine;
- (130) *Plantanus occidentalis* L., American Sycamore;
- (131) *Populus* spp., Poplars;
- (132) *Prunus armeriaca* L., Apricot;
- (133) *Prunus avium* (L.) L., Cherry;
- (134) *Prunus domestica* L., Plum, Prune;
- (135) *Prunus persica* Batsch., Peach;
- (136) *Pseudotsuga menziesii* var. *glauca* (Beissn.) Franco, Blue Douglas
Fir;
- (137) *Pseudotsuga menziesii* var. *caesia* (Beissn.) Franco, Gray Douglas
Fir;
- (138) *Pseudotsuga menziesii* var. *viridis*, Green Douglas Fir;

- (139) *Pyrus communis* L., Pear;
- (140) *Quercus* spp., (Red or black oak group);
- (141) *Quercus alba* L., White Oak;
- (142) *Quercus muehlenbergii* Engelm., Chinkapin Oak;
- (143) *Quercus virginiana* Mill., Live Oak;
- (144) *Rhododendron* spp., Rhododendron;
- (145) *Robinia pseudoacacia* L., Black Locust;
- (146) *Rosa multiflora* Thunb., Japanese Rose;
- (147) *Sequoia gigantea* (Lindl.) Decne., Giant Sequoia;
- (148) *Sequoia sempervirens* (D. Don.) Engl., Redwood;
- (149) *Syringa vulgaris* L., Common lilac;
- (150) *Thuja occidentalis* L., Northern White Cedar, Eastern Arborvitae;
- (151) *Thuja orientalis* L., Oriental Arborvitae, Chinese Arborvitae;
- (152) *Thuja plicata* Donn., Western Red Cedar, Giant Arborvitae;
- (153) *Tsuga canadensis* (L.) Carr., Eastern Hemlock, Canada Hemlock;
- (154) *Tsuga heterophylla* (Raf.) Sarg., Western Hemlock, Pacific Hemlock;
- (155) *Ulmus americana* L., American Elm;
- (156) *Ulmus parvifolia* Jacq., Chinese Elm;
- (157) *Ulmus pumila* L., Siberian Elm;
- (158) *Vitis vulpina* L., Riverbank Grape.

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