

THE IMPORTANCE OF GEOGRAPHIC ORIGIN OF SEED

Seed origin is just as vital in a forest as it is in a field or garden. The only difference is that if a mistake is made it takes a forest owner longer to find it out -- as perhaps a 100 years or so. All sorts of ills can beset trees grown from seed of the right species but of the wrong geographic origin -- ills such as abnormal susceptibility to disease or insects or cold weather, abnormally slow growth, poor form, and perhaps zero survival in the first place.

For large-scale reforestation work it is unwise to buy seed of unknown parentage. The prudent investor in a planting job inquires as to the origin of the seed which produced: the nursery stock before he inquires as to its price. The results from seed of the wrong location may' be around for all to see long after its price has been forgotten.

There is no Federal legislation and few State laws to enforce the use of forest tree and shrub seed of known origin. In 1939 the U.S. Department of Agriculture adopted the following forest seed policy:

"Recognizing that trees and shrubs, in common with other food and fiber plants, vary in branch habit, rate of growth, strength and stiffness of wood, resistance to cold, drought, insect attack, and disease, and in other attributes which influence their usefulness and local adaptation for forest, shelterbelt, and erosion control use, and that such differences are largely of a genetic nature, it shall be the policy of the United States Department of Agriculture insofar as practicable to require for all forest, shelterbelt, and erosion-control plantings, stocks propagated from segregated strains or individual clones of proven superiority for the particular locality or objective concerned.

"Furthermore, since the above attributes are associated in part with the climate and to some extent with other factors of environment of the locality of origin, it shall be the policy of the United States Department of Agriculture:

- "1. To use only seed of known locality of origin and nursery stock grown from such seed.
- "2. To require from the vendor adequate evidence verifying place and year of origin for all lots of seed or nursery stock purchased, such as bills of lading, receipts for payments to collectors, or other evidence indicating that the seed or stock offered is of the source represented. When purchases are made from farmers or other collectors known to operate only locally, a statement capable of verification will be required as needed for proof of origin.

"3. To require an accurate record of the origin of all lots, of seed and nursery stock used in forest, shelterbelt, and erosion-control plantings, such records to include the following minimum standard requirements to be furnished with each shipment:

- (1) Lot number
- (2) Year of seed crop
- (3) Species
- (4) Seed origin:
 - State
 - County
 - Locality
 - Range of elevation
- (5) Proof of origin

"4. To use local seed from natural stands whenever available unless it has been demonstrated that seed from another specific source produces desirable plants for the locality and uses involved. Local seed means seed from an area subject to similar climatic influences and may usually be considered as that collected within 100 miles of the planting site and differing from it in elevation by less than 1,000 feet.

"5. When local seed is not available, to use seed from a region having as nearly as possible the same length of growing season, the same mean temperature of the growing season, the same frequencies of summer droughts, with other similar environment so far as possible, and the same latitude.

"6. To continue experimentation with indigenous and exotic species, races, and clones to determine their possible usefulness, and to delimit as early as practicable climatic zones within which seed or planting stock of species and their strains may be safely used for forest, shelterbelt, and erosion control.

"7. To urge that States, counties, cities, corporations, other organizations, and individuals producing and planting trees for forest, shelterbelt, and erosion-control purposes, the expense of which is borne wholly or in part by the Federal Government, adhere to the policy herein outlined."

Specific Information About the Dealers

The information in the tabulations which follow was supplied by the individual dealers. It is given herein as a convenience to the user of this list and its inclusion in no way attests to its reliability.

SEED DEALERS

Dealer's number :	Size of orders accepted :	Stockpiles seed : : for sale in years : : of no crop :	Will certify seeds' geographic origin* :	Will certify seeds' purity and germination* :
1	No minimum	Yes	Yes	Yes
2	" "	Yes	Yes	Yes
3	" "	Yes	Yes	Yes
4	\$5 minimum	Yes	Yes	Yes
5	No minimum	Yes	Yes	Yes
6	" "	Yes	Yes	Yes
8	\$20 minimum	Yes	Yes	Yes
11	.	Information not furnished		
13	No minimum	Yes	Yes	
15	" "		Yes	
17	\$5 minimum	Yes	Yes	Yes
20	No minimum	Yes	Yes	Yes
22	" "	Yes	Yes	Yes
27	1 lb. minimum	Yes	Yes	Yes
28	\$7.50 minimum		Yes	
29	No minimum	Yes	Yes	Yes
30	" "		Yes	
32	" "		Yes	Yes
33	\$5 minimum	Yes	Yes	Yes
34	\$5 minimum		Yes	
35	No minimum		Yes	
36	" "		Yes	
37	\$10 minimum	Yes	Yes	Yes
40	No minimum	Yes	Yes	Yes
41	\$5 minimum	Yes	Yes	Yes
42	No minimum	Yes	Yes	Yes
45	" "	Yes	Yes	Yes
50	\$5 minimum		Yes	Yes
51	No minimum	Yes	Yes	
52	1 lb. minimum	Yes	Yes	Yes
55	No minimum	Yes	Yes	
56	1 lb. minimum		Yes	
57	No minimum		Yes	Yes

PLANTING STOCK DEALERS (NURSERIES)

<u>Dealer's number</u>	<u>Size of orders accepted</u>	<u>Will certify geographic origin of stock's seed source*</u>
1	No minimum	Yes
3	" "	
5	" "	Yes
6	Minimum 100 trees	Yes
7	Minimum 500 trees	Yes
9	No minimum	
10	" "	
12	" "	
13	" "	Yes
14	Minimum 100 trees	Yes
16	No minimum	Yes
18	Minimum 500 trees	
19	Information not furnished	
21	\$10 minimum	Yes
23	Minimum 100 trees	Yes
24	\$10 minimum	
25	\$10 minimum	
26	Minimum 100 trees	Yes
31	Minimum 100 trees	Yes
35	No minimum	Yes
36	Minimum 1,000 trees	Yes
37	\$10 minimum	Yes
38	No minimum	
39	" "	
41	Minimum 1,000 trees	Yes
42	No minimum	Yes
43	" "	Yes
44	Minimum 100 trees	Yes
46	No minimum	
47	Minimum 100 trees	
48	\$5 minimum	
49	\$10 minimum	
53	\$10 minimum	Yes
54	\$5 minimum	Yes
55	Minimum 250 trees	Yes

*There are no standardized certificates for this purpose currently in use in America. Samples of certificates are given on the last page of this list,, but many companies have other certificates of their own wording that are adequate for the purpose of most buyers. Only one American company expresses a willingness to furnish the International Certificate suggested by the FAO of the United Nations.

DEALERS IN EACH STATE
AND THEIR CODE NUMBERS FOR REFERENCE TO THE FOLLOWING LIST OF SPECIES

CALIFORNIA

1. Hagen Nursery, Inc.
385 West Colorado Boulevard
Arcadia, California
2. Otter, Floyd L.
15 Dayton Avenue
Fresno, California
3. Smith, O. Kenneth
P.O. Box 100
Magalia, California

COLORADO

4. Barteldes Seed Company
3770 East 40th Avenue
Denver, Colorado
5. Swan, Robert K.
P.O. Box 42
Rye, Colorado
6. Western Evergreens
14355 West 44th Avenue
Golden, Colorado

CONNECTICUT

7. Cheshire Nursery, Inc.
1317 South Main Street
Cheshire, Connecticut

GEORGIA

8. Southern Seed Company
Baldwin, Georgia

IOWA

9. Earl Ferris Nursery
811 4th Street, N.E.
Hampton, Iowa
10. Inter-State Nurseries, Inc.
Hamburg, Iowa

KANSAS

11. Barteldes Seed Company
Lawrence, Kansas

KANSAS (Continued)

12. Kansas Landscape & Nursery Co.
1416 East Iron Avenue
Salina, Kansas
13. Reed Seed Company
Marietta, Kansas
14. Willis Nursery Company
Ottawa, Kansas

LOUISIANA

15. Louisiana Forest Seed Company
P.O. Box 293
Eunice, Louisiana

MAINE

16. Western Maine Forest Nursery Co.
Fryeburg, Maine

MASSACHUSETTS

17. Schumacher, F. W.
Horticulturist
Sandwich, Massachusetts

MICHIGAN

18. Forestry Associates, Inc.
Oceana Co. Savings Bank Building
P.O. Box 72
Hart, Michigan
19. Huntree
Box 393
Saugatuck, Michigan
20. Iron Mountain Evergreen Company
P.O. Box 133
Iron Mountain, Michigan
21. Matthews Nursery
Ann Street
Harbor Springs, Michigan
22. Woodlot Seed Company
Norway, Michigan

DEALERS IN EACH STATE
AND THEIR CODE NUMBERS FOR REFERENCE TO THE FOLLOWING LIST OF SPECIES

MINNESOTA

- 23. J. V. Bailey Nurseries
St. Paul 6, Minnesota
- 24. Cashman Nurseries, Inc.
Box 239
Owatonna, Minnesota
- 25. Jewell Nurseries, Inc.
Lake City, Minnesota
- 26. Lake City Nursery, Inc.
Lake City, Minnesota
- 27. S. & R. Seed Dealer's Company
S.J. & R.J. Neises
Cass Lake, Minnesota

MISSISSIPPI

- 28. Walley, D. L.
Route 3
Waynesboro, Mississippi

MONTANA

- 29. Moran, E. C.
Stanford, Montana
- 30. Rose, Frank H.
1020 Poplar Street
Missoula, Montana

NEBRASKA

- 31. Plumfield Nurseries, Inc.
2105 North Nye Avenue
Fremont, Nebraska

NEW HAMPSHIRE

- 32. Braden, K. J.
P.O. Box 187
Milton, New Hampshire

NEW YORK

- 33. Herbst Brothers Seedsmen, Inc.
678 Broadway
New York 12, New York

NORTH CAROLINA

- 34. McKoy, Erle D.
Burgaw, North Carolina

NORTH DAKOTA

- 35. Forestry Seed Market
Sheldon, North Dakota
- 36. Northwest Nursery Company
Valley City, North Dakota
- 37. Oscar H. Will & Company
Bismarck, North Dakota

OHIO

- 38. Jenkins Nurseries
Winona, Ohio

OREGON

- 39. Rich & Sons Nursery
Route 1
Hillsboro, Oregon
- 40. Tepper, Edward
Shady Cove, Oregon
- 41. John B. Woods & Son
Woodseed
P.O. Box 647
Salem, Oregon

PENNSYLVANIA

- 42. Bausher, Richard V.
Allentown, Pennsylvania
- 43. Canales Forest Nursery
Shelocta, Pennsylvania
- 44. Eccles Nurseries
P.O. Box 65
Rimersburg, Pennsylvania
- 45. Forestry Associates
922 East Tilghman Street
Allentown, Pennsylvania

DEALERS IN EACH STATE
AND THEIR CODE NUMBERS FOR REFERENCE TO THE FOLLOWING LIST OF SPECIES

PENNSYLVANIA (Continued)

46. Nut Tree Nurseries
R. D. No. 1
Downingtown, Pennsylvania
47. Pine Hill Farms Nursery
Route 2
Homer City, Pennsylvania
48. Suncrest Evergreen Nurseries
P.O. Box 305
Homer City, Pennsylvania

TENNESSEE

49. Boyd Nursery Company, Inc.
P.O. Box 71
McMinnville, Tennessee

WASHINGTON

50. R. G. Avery Company
Route 1
Box 464
Olympia, Washington

WASHINGTON (Continued)

51. Esses Tree Seed Company
754 Pioneer Avenue, W.
Montesano, Washington
52. Manning Seed Company
540 Dexter Horton Building
Seattle 4, Washington

WISCONSIN

53. Evergreen Nursery Company
Route 3
Sturgeon Bay, Wisconsin
54. Nepco Lake Nursery
Port Edwards, Wisconsin
55. Redmond, Kenneth
Mosinee, Wisconsin
56. Reichard, Alvin L.
619 Delaware Street
Sturgeon Bay, Wisconsin
57. Leslie B. Rhoades & Son
Merrillan, Wisconsin

LIST OF SPECIES OF FOREST TREE SEED AND PLANTING STOCK
WITH CODE NUMBERS OF SOURCES NORMALLY HAVING SEED OR PLANTING STOCK FOR SALE

Species	Seed (Code numbers refer to preceding list of dealers)	Planting Stock (Code numbers refer to preceding list of dealers)
AILANTHUS (Tree-of-Heaven) (<u>Ailanthus altissima</u>)	1,13,17,22,29,33,42,45	49
ALASKA-CEDAR (<u>Chamaecyparis nootkatensis</u>)	33,42,50,52	38
ALDER, RED (<u>Alnus rubra</u>)	33,41,42,45,50,51	
ARBORVITAE, EASTERN (<u>Thuja occidentalis</u>)		See White-cedar
ASH, BLACK (<u>Fraxinus nigra</u>)	17,29,33,41,42,45	48
ASH, GREEN (<u>Fraxinus pennsylvanica</u>)	13,17,22,29,33,35,36,37, 42,45	9,12,14,23,24,25,26,31, 36,37,39,49
ASH, WHITE (<u>Fraxinus americana</u>)	13,17,22,29,33,42,45	10,23,39,49
ASPEN, BIGTOOTH (<u>Populus grandidentata</u>)	33,45	
ASPEN, QUAKING (<u>Populus tremuloides</u>)	5,29,33,45	5
BALDCYPRESS (<u>Taxodium distichum</u>)	17,22,29,33,42,45	38,49
BASSWOOD, AMERICAN (American linden) (<u>Tilia americana</u>)	13,17,22,33,35,42,45,55	9,10,26,38,39,49,53
BEECH, AMERICAN (<u>Fagus grandifolia</u>)	15,33,42,45	39,53
BIRCH, GRAY (<u>Betula populifolia</u>)	17,22,33,42,45	25,26,53
BIRCH, PAPER (Canoe) (<u>Betula papyrifera</u>)	17,22,29,33,42,45	21,23,25,26,39,53,54
BIRCH, YELLOW (<u>Betula alleghaniensis</u>)	17,22,33,45	

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BOXELDER (Ashleaved maple) (<u>Acer negundo</u>)	5,13,17,22,29,33,35,36, 37,42,45,55	5,24,25,26,31,36,39,49
BUCKEYE, OHIO (<u>Aesculus glabra</u>)	33,37,42,45	38
BUTTERNUT (<u>Juglans cinerea</u>)	17,33,42,45,55	49
CARAGANA (Siberian pea-tree) (<u>Caragana arborescens</u>)	17,22,29,33,35,36,37,42	6,23,25,26,31,36,39,42, 46,49
CASUARINA, HORSETAIL (Australian-pine) (<u>Casuarina equisetifolia</u>)	1,22,33	1
CATALPA, NORTHERN (<u>Catalpa speciosa</u>)	13,17,22,29,33,42,45	12,14,31,39,49
CEDAR, DEODAR (<u>Cedrus deodara</u>)	1,5,17,22,29,33,42	1,21,39
CEDAR-OF-LEBANON (<u>Cedrus libanensis</u>)	1,17,22,29,33,42	1,39
CEDAR, RED (<u>Juniperus virginiana</u>)		See Redcedar
CHERRY, BLACK (<u>Prunus serotina</u>)	5,17,22,33,35,42,45	5,31,42,53
CHESTNUT, AMERICAN (<u>Castanea dentata</u>)	33,42,45	
CHESTNUT, CHINESE (<u>Castanea mollissima</u>)	33,42	10,44,46,49
COFFEETREE, KENTUCKY (<u>Gymnocladus dioicus</u>)	13,29,33,42	49
COTTONWOOD, EASTERN (<u>Populus deltoides</u>)	29,33,42,45	12,35,36,37
CUCUMBERTREE (<u>Magnolia acuminata</u>)	17,33,38,42	38,49

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CYPRESS, ARIZONA (<u>Cupressus arizonica</u>)	1,5,17,22,29,33,42,45,52	1
CYPRESS, MONTEREY (<u>Cupressus macrocarpa</u>)	1,17,22,33,42	1
DOGWOOD, FLOWERING (<u>Cornus florida</u>)	13,17,22,33,38,42,45	10,38,39,49
DOUGLAS-FIR (<u>Pseudotsuga menziesii</u>)	1,3,4,5,6,17,22,29,30, 32,33,40,41,42,45,50,51, 52	1,5,6,7,9,18,21,23,26,38, 41,42,43,44,47,48,53,54
ELM, AMERICAN (White) (<u>Ulmus americana</u>)	13,17,22,29,33,35,36,37, 42,45	6,9,12,14,19,23,25,26,31, 36,37,39,49
ELM, SIBERIAN (Erroneously called Chinese elm) (<u>Ulmus pumila</u>)	1,13,17,20,22,29,33,35, 36,37,42,45	1,6,9,10,12,14,23,25,26, 31,35,36,37,39,42,49
EUCALYPTUS, TASMANIAN BLUE (Bluegum) (<u>Eucalyptus globulus</u>)	1,17,22,33,42	1
FIR, ALPINE (<u>Abies lasiocarpa</u>)	5,6,17,22,29,30,33,40, 41,42,45,50,52	6
FIR, BALSAM (<u>Abies balsamea</u>)	17,20,22,27,29,32,33,42, 45,55,56,57	9,16,18,23,26,31,42,43,44, 48,53,54
FIR, CALIFORNIA RED (<u>Abies magnifica</u>)	1,17,22,29,33,40,42,45, 52	1
FIR, GRAND (<u>Abies grandis</u>)	5,17,22,29,30,33,40,41, 42,45,50,51,52	41
FIR, NOBLE (Red) (<u>Abies procera</u>)	17,22,29,33,40,41,45,50, 51,52	41
FIR, PACIFIC SILVER (<u>Abies amabilis</u>)	17,22,29,33,40,41,45,50, 51,52	41
FIR, WHITE (<u>Abies concolor</u>)	1,3,4,5,6,17,22,29,32, 33,40,41,45,50,51,52	1,3,5,6,7,9,16,18,21,23,26, 31,38,39,41,43,44,48,53,54

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GINKGO (<u>Ginkgo biloba</u>)	1,17,22,33,45	1,38,49
HACKBERRY (<u>Celtis occidentalis</u>)	13,17,22,29,33,35,36,45	9,12,14,23,25,26,31,36,37, 49
HEMLOCK, EASTERN (<u>Tsuga canadensis</u>)	13,17,20,22,29,32,33,45, 55,57	7,16,38,43,44,48,49,53,54
HEMLOCK, WESTERN (<u>Tsuga heterophylla</u>)	22,29,33,41,45,50,51,52, 57	
HICKORY, PIGNUT (<u>Carya glabra</u>)	33,45	
HICKORY, SHAGBARK (<u>Carya ovata</u>)	17,33,45	9,49
HICKORY, SHELLBARK (Bigleaf shagbark) (<u>Carya laciniosa</u>)	17,33	49
HOLLY, AMERICAN (<u>Ilex opaca</u>)	17,22,33	38,49
HONEYLOCUST (<u>Gleditsia triacanthos</u>)	1,11,13,17,22,29,33,45	1,9,10,12,14,24,25,31,39, 46,49
HORSECHESTNUT (<u>Aesculus hippocastanum</u>)	13,33,45	38
INCENSE-CEDAR, CALIFORNIA (<u>Libocedrus decurrens</u>)	1,3,17,22,29,33,40,41	1,3
JUNIPER, EASTERN (<u>Juniperus virginiana</u>)		See Redcedar
JUNIPER, ROCKY MOUNTAIN (<u>Juniperus scopulorum</u>)	4,5,6,13,22,29,30,32,33, 37,45	5,6,9,12,25,31,37
LARCH, EASTERN (<u>Larix laricina</u>)		See Tamarack
LARCH, EUROPEAN (<u>Larix decidua</u>)	17,22,29,33,42,45	6,9,16,38,42,44,53,54
LARCH, WESTERN (<u>Larix occidentalis</u>)	29,30,33,42	

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LINDEN, AMERICAN (<u>Tilia americana</u>)		See Basswood
LOCUST, BLACK (Yellow) (<u>Robinia pseudoacacia</u>)	1,5,13,17,22,29,33,42,45	1,12,14,31,39,42,49
MAGNOLIA, SOUTHERN (<u>Magnolia grandiflora</u>)	1,15,17,22,33,42	1,49
MAPLE, NORWAY (<u>Acer platanoides</u>)	13,17,22,29,33,42,45	9,10,39,42,49,53
MAPLE, RED (<u>Acer rubrum</u>)	17,22,33,42,45	10,39,42,49,53
MAPLE, SILVER (<u>Acer saccharinum</u>)	22,29,33,35,42,45	12,14,23,24,25,26,31,39, 49
MAPLE, SUGAR (<u>Acer saccharum</u>)	13,17,22,33,38,42,45,55	9,10,13,26,38,39,42,49, 53
MULBERRY, RED (<u>Morus rubra</u>)	13,22,29,33,42,45	13,42
MULBERRY, RUSSIAN (<u>Morus alba tatarica</u>)	13,17,22,29,33,42	12,13,14,24,31,39,42,49
MULBERRY, WHITE (<u>Morus alba</u>)	17,22,33,42	
OAK, BLACK (<u>Quercus velutina</u>)	33,42,45	
OAK, BLACKJACK (<u>Quercus marilandica</u>)	33,45	
OAK, CALIFORNIA LIVE (<u>Quercus agrifolia</u>)	1,33	1
OAK, CHESTNUT (<u>Quercus prinus</u>)	13,33,45	49
OAK, CHINQUAPIN (<u>Quercus muehlenbergii</u>)	3,33,42	
OAK, LIVE (<u>Quercus virginiana</u>)	15,33,42	

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OAK, NORTHERN RED (<u>Quercus rubra</u>)	13,32,33,42,45,55	9,14,31,39,42
OAK, OREGON WHITE (<u>Quercus garryana</u>)	33,40,42	
OAK, PIN (<u>Quercus palustris</u>)	13,17,33,42,45	9,10,14,31,38,39,42,49
OAK, POST (<u>Quercus stellata</u>)	33,42,45	
OAK, SCARLET (<u>Quercus coccinea</u>)	33,42,45,55	14,39,42,49
OAK, WHITE (<u>Quercus alba</u>)	33,42,45,55	14,31,42,49
OAK, WILLOW (<u>Quercus phellos</u>)	33,42,45	49
OSAGE-ORANGE (<u>Maclura pomifera</u>)	13,17,22,29,33,42,45	12,14,31,49
PECAN (<u>Carya illinoensis</u>)	17,33,42	49
PEPPERTREE (<u>Schinus molle</u>)	1,17,22,33	1
PERSIMMON, COMMON (<u>Diospyros virginiana</u>)	3,17,33,42,45	46,49
PINE, AUSTRIAN (<u>Pinus nigra</u>)	13,17,22,29,32,33,42,45, 57	6,7,9,12,16,18,19,21,23, 25,26,31,38,39,43,44,47, 48,53,54
PINE, AUSTRALIAN (Horsetail casuarina) (<u>Casuarina equisetifolia</u>)		See Casuarina.
PINE, EASTERN WHITE (<u>Pinus strobus</u>)	13,17,20,22,27,29,32,33, 42,45,55,56,57	9,16,18,21,26,38,42,43, 44,48,53,54,55
PINE, JACK (<u>Pinus banksiana</u>)	13,17,20,22,27,29,33,42, 45,55,57	9,16,18,31,48,53,54
PINE, JEFFREY (<u>Pinus jeffreyi</u>)	1,3,17,22,29,33,40,41, 42,45,52	1

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PINE, LIMBER (<u>Pinus flexilis</u>)	5,6,17,22,29,30,33,42,45	5,6,7,31,42,53
PINE, LOBLOLLY (<u>Pinus taeda</u>)	8,15,17,22,33,34,42,45	42
PINE, LODGEPOLE (<u>Pinus contorta</u>)	1,3,5,6,17,22,29,30,33, 40,42,45,50,51,52	1,5,6,39
PINE, LONGLEAF (<u>Pinus palustris</u>)	8,15,17,22,28,33,34,42, 45	
PINE, MUGHO (Mugho Swiss mountain pine) (<u>Pinus mugo</u> var. <u>mughus</u>)	17,22,29,32,33,42,45	7,9,16,21,23,25,26,31,38, 39,43,44,48,53,54
PINE, PITCH (<u>Pinus rigida</u>)	17,22,32,33,42,45,52	48
PINE, PONDEROSA (<u>Pinus ponderosa</u>)	1,2,3,4,5,6,13,17,20,22, 29,30,33,37,40,41,42,45, 50,51,52	1,5,6,9,12,21,23,25,26,31, 37,39,41,42,43,48,53,54
PINE, RED (Norway) (<u>Pinus resinosa</u>)	13,17,20,22,27,29,32,33, 42,45,55,56,57	9,16,18,21,23,26,38,42,43, 44,47,48,53,54,55
PINE, SCOTCH (<u>Pinus sylvestris</u>)	13,17,20,22,29,32,33,42, 45,55,57	6,7,9,12,16,18,19,21,23,25, 26,31,37,38,39,42,43,44,47, 48,53,54,55
PINE, SHORTLEAF (<u>Pinus echinata</u>)	8,15,17,22,33,42,45	42
PINE, SLASH (<u>Pinus elliottii</u>)	8,17,22,33,42,45	
PINE, SUGAR (<u>Pinus lambertiana</u>)	1,3,17,22,29,33,40,41,42, 52	1
PINE, VIRGINIA (<u>Pinus virginiana</u>)	17,22,33,42,45	
PINE, WESTERN WHITE (<u>Pinus monticola</u>)	3,13,17,22,29,30,33,40, 41,42,50,52	21,53
PINYON (<u>Pinus edulis</u>)	1,4,5,6,13,17,29,33,42, 45	1,5,6,31

LIST OF SPECIES OF FOREST TREE SEED AND PLANTING STOCK
WITH CODE NUMBERS OF SOURCES NORMALLY HAVING SEED OR PLANTING STOCK FOR SALE

Species	Seed (Code numbers refer to preceding list of dealers)	Planting Stock (Code numbers refer to preceding list of dealers)
POPLAR, BALSAM (<u>Populus tacamahaca</u>)	33	
POPLAR, CAROLINA (<u>Populus canadensis</u>)	33,42	14,39
POPLAR, LOMBARDY (<u>Populus nigra italica</u>)		9,10,12,14,23,24,25,26,31, 39,49
POPLAR, WHITE (<u>Populus alba</u>)	33,45	24,25
PORT-ORFORD-CEDAR (<u>Chamaecyparis lawsoniana</u>)	17,22,33,42,52	39
REDCEDAR, EASTERN (<u>Juniperus virginiana</u>)	13,17,22,29,32,33,42,45	9,10,12,23,25,26,31,36,38, 39,42,48,53,54
REDCEDAR, WESTERN (<u>Thuja plicata</u>)	5,17,22,29,30,33,41,42, 45,50,51,52,57	43
REDWOOD (Coast redwood) (<u>Sequoia sempervirens</u>)	1,3,5,17,22,33,41,42,52	1
RUSSIAN-OLIVE (<u>Elaeagnus angustifolia</u>)	5,6,13,17,22,29,33,37,42, 45	6,9,10,12,14,23,24,25,26, 31,37,38,39,42,49
SEQUOIA GIANT (Bigtree) (<u>Sequoia gigantea</u>)	1,2,3,5,17,22,33,41,42, 45,52	1,41,42
SPRUCE, BLACK (<u>Picea mariana</u>)	27,29,33,42,45,57	9,21,26,43,48,53,54
SPRUCE, BLUE (Colorado blue) (<u>Picea pungens</u>)	4,5,6,13,17,22,29,32,33, 37,41,42,45,52	5,6,7,9,16,18,19,21,23,25, 26,37,38,39,41,43,44,47, 48,53,54
SPRUCE, ENGELMANN (<u>Picea engelmannii</u>)	4,5,6,17,22,29,30,32,33, 41,42,45,50,52	5,6,9,16,31,44,48,53,54
SPRUCE, NORWAY (<u>Picea abies</u>)	17,20,22,29,32,33,42,45, 57	7,9,16,18,19,21,23,25,26, 31,38,39,43,44,47,48,53,54
SPRUCE, RED (<u>Picea rubens</u>)	22,33,42,45	43,48
SPRUCE, SITKA (<u>Picea sitchensis</u>)	17,22,29,32,33,40,41,42, 45,51,52	39,48

LIST OF SPECIES OF FOREST TREE SEED AND PLANTING STOCK
WITH CODE NUMBERS OF SOURCES NORMALLY HAVING SEED OR PLANTING STOCK FOR SALE

Species	Seed (Code numbers refer to preceding list of dealers)	Planting Stock (Code numbers refer to preceding list of dealers)
SPRUCE, WHITE (<u>Picea glauca</u>)	17,20,22,27,29,32,33,42, 45,52,55,56,57	7,9,16,18,19,21,23,25,26, 31,38,43,44,47,48,53,54,55
SWEETGUM (<u>Liquidambar styraciflua</u>)	15,17,22,33,42	38,39,42,49
SYCAMORE, AMERICAN (<u>Platanus occidentalis</u>)	13,17,22,33,42,45	38,39,42,49
TAMARACK (Eastern larch) (<u>Larix laricina</u>)	29,33,42,45,57	
TUPELO, BLACK (Blackgum) (<u>Nyssa sylvatica</u>)	17,22,33,42	38,49
WALNUT, BLACK (<u>Juglans nigra</u>)	3,13,29,33,42,45	10,12,14,31,38,46,49
WALNUT, WHITE (<u>Juglans cinerea</u>)		See Butternut
WHITE-CEDAR, ATLANTIC (<u>Chamaecyparis thyoides</u>)	17,22,33,42,45	
WHITE-CEDAR, NORTHERN (Eastern arborvitae) (<u>Thuja occidentalis</u>)	5,13,17,20,22,29,32,33, 42,45,55,56,57	7,9,16,23,25,26,38,43,48, 53,54
WILLOW, BLACK (<u>Salix nigra</u>)	33,51	49
WILLOW, PEACHLEAF (<u>Salix amygdaloides</u>)	33	25
WILLOW, WEEPING (<u>Salix babylonica</u>)	33,45	9,10,23,25,38,39,49,53
YELLOW-POPLAR (Tuliptree) (<u>Liriodendron tulipifera</u>)	8,17,33,42,45	38,39,49
YEW, PACIFIC (<u>Taxus brevifolia</u>)	3,33,40,42,51	