

Tree Planters' Notes

10-Year Index for Volumes 28-37 (1977-1986)

User's Guide

This index is composed of three parts: an index by species and subject, an index of authors, and a comprehensive table of contents. You will find the index subjects organized under the common names of, the tree species studied. The numbers after each entry refer to the volume and issue numbers, page numbers, and season and year. You can use these to look up the title of the article referred to by checking the appropriate issue in the table of contents. We plan to provide annual indexes beginning with volume 38.

Species and Subject Index

Abies

balsamea. See Balsam fir
concolor. See White fir
fraseri. See Fraser fir
procera. See Noble fir

Acacia

confusa. See Acacia confusa
koa. See *Koa*

Acacia confusa

provenance 1st-year study 32(2):30-34, Spring 1981

Acer

negundo. See Boxelder maple
saccharinum. See Silver maple
saccharum. See Sugar maple

Aleppo pine. See Mediterranean pines

Alnus rubra. See Red alder

American ginseng

3-year study 33(2):18, 21, Spring 1982

Amur chokecherry

seed treatment 37(3):35-38, Summer 1986

Amur honeysuckle

seed harvesting 33(3):17-19, Summer 1982
 seedling storage recommendations 29(1):15-17, Winter 1978

Animal Damage. See also individual tree species

chemical control
 meadow voles, stem girdling hardwood plantation 30(4):14-15, Fall 1979
 pocket gophers, zinc phosphide control 34(2):11-14, Spring 1983
 mechanical control
 rabbits, tree guard tubes 31(3):6-8, Summer 1980
 pocket gophers, damage of large true firs 35(2):28-30, Spring 1984

Arizona cypress

Phomopsis blight control 29(1):24-26, Winter 1978

Arkansas oak

seed stratification and germination 35(2):36-38, Spring 1984

Baldcypress

container density effects on growth 35(4):20-21, Fall 1984

Balsam fir

seedlings and raspberry competition 37(2):20-23, Spring 1986

Balsam poplar

seed collection and storage 29(2):35, Spring 1978
 seed viability after 3-year storage 31(2):9-10, Spring 1980

Bear oak

planting stock roots, seasonal carbohydrate levels 29(3):22-24, Summer 1978
 seedling 3-year growth/survival 32(3):12-14, Summer 1981

Betula alleghaniensis. See Yellow birch

Bigtooth aspen

chemical weed control effects on survival/growth 36(1):3-7, Winter 1985
 container vs bareroot seedlings, 2-year performance 29(2):24-28, Spring 1978
 seedling planting depth effect on survival/growth 36(1):3-7, Winter 1985

Black cherry

planting stock roots, seasonal carbohydrate levels 29(3):22-24, Summer, 1978
survival/growth
bareroot vs container vs direct-seeded 30(1):16-19, Winter 1979
7-year performance 36(1):8-9, Winter 1985
3-year performance 32(3):12-14, Summer 1981

Black cottonwood

growth and yield of 24-year-old plantation 34(2):3-5, Spring 1983

Black locust

establishment on surface-mined sites, seed scarification and site preparation effects 34(3):28-30, Summer 1983
fertilization, response of recently germinated seedlings 32(3):3-8, Summer 1981
herbicides, pre-emergent, for direct seeding of 34(3):24-27, Summer 1983

Black oak

fertilizer, magnesium ammonium phosphate, 8-year response 31(1):9-10, Winter 1980

Black spruce

container treatment and soil amendment 29(1):18-21, Winter 1978
mechanical seeder calibrated by seed moisture content 30(4):20-24, Fall 1979
seed extraction procedures 37(4):7-11, Fall 1986
seed germination, time of, effects on growth 37(1):20-24, Winter 1986
seedling growth, various soluble fertilizer salt levels 34(4):31-33, Fall 1983
soil, nursery, treatments 30(1):14-15, Winter 1979
transplanting, accelerated system 37(1):20-24, Winter 1986

Black walnut

container vs bareroot seedlings, survival/growth 37(1):11-14, Winter 1986
cuttings, bud break and ethephon treatment relationship 30(4):12-13, Fall 1979

fertilization of seedlings on poorly drained site 31(4):17-19, Fall 1980
fescue, effect on seedling growth/survival 30(3):20-23, Summer 1979
greenhouse regime for accelerating growth 32(2):35-38, Spring 1981
interplanting with eastern white pine 37(2):29-31, Spring 1986
Phythium root rot, first report of in Louisiana 31(3):11-12, Summer 1980
planting and pruning methods 30(1):11-13, Winter 1979
pollen maturation and extraction 28(3/4):7-9, Summer/Fall 1977
seedling root damage during overwinter storage 35(2):31-35, Spring 1984
sowing season and provenance effects on germination 33(4):16-18, Fall 1982
weed control on strip mines 34(1):13-15, Winter 1983

Blue spruce

herbicide, glyphosate, effect on transplants 31(1):15, Winter 1980
provenance tests 32(2):16-18, Spring 1981
transplanting of seedlings, spring vs fall 32(1):16-19, Winter 1981

Boxelder maple

moisture content of seed, measure of maturity 30(4):17-19, Fall 1979
seed maturity and viability 34(2):36-37, Spring 1983

Calabrian pine. See Mediterranean pines

California black oak

germination-watering-planting regimes 33(4):10-12, Fall 1982

Caribbean pine

root wrenching regimes, prerequisite for seedling establishment 30(1):5-7, Winter 1979

Carya

illinoensis. See Pecan
ovata. See Shagbark hickory

Casuarina equisetifolia

potting mixture for tube-container seedlings 37(4):12-16, Fall 1986

Cherrybark oak

acorns, presprouted and unsprouted, and sowing season 33(4):13-15, Fall 1982
eroded ridges, successfully planted on 34(2):28-30, Spring 1983
fertilizer tablet effects on plantation growth 28(1):34-36, 42, Winter 1977.
growth 20 years after planting 34(4):20-22, Fall 1983
seedbed density 31(4):7-9, Fall 1980

Chestnut oak

planting stock roots, seasonal carbohydrate levels 29(3):22-24, Summer 1978
seedling 3-year growth/survival 32(3):12-14, Summer 1981

Christmas tree plantations

eastern redcedar, seed source recommendations 30(3):3-6, Summer 1979
Fraser fir, controlled pollination techniques 34(3):3-8, Summer 1983
Fraser fir, control of herbaceous vegetation 31(1):16-20, Winter 1980
pines, stock selection method 31(3):29-31, Summer 1980
pocket gophers, zinc phosphide control 34(2):11-14, Spring 1983
Scotch pine, control of herbaceous vegetation 31(1):16-20, Winter 1980
Virginia pine, fertilization effects 30(4):3, Fall 1979

Colorado Plant Materials Program

model for success 33(3):6-8, Summer 1982

Colorado spruce. See Blue spruce**Cones.** See also individual tree species

drying, energy-saving practices 33(2):31-34, Spring 1982; 32(4):19-21, Fall 1981
hectoliter box plans for pine cones 32(4):17-18, Fall 1981
storage, temporary, a simple method 34(4):28-30, Fall 1983

Cupressus arizonica. See Arizona cypress**Digger pine**

windbreaks 31(1):38, Winter 1980

Disease. See also individual tree species

Botrytis cinerea isolates, fungicide trials in greenhouse 31(1):25-28, Winter 1980

Douglas-fir

cold-hardiness, oscilloscope/square-wave apparatus for predicting 35(2):25-27, Spring 1984
container size effects on seedling survival/growth 33(3):31-34, Summer 1982
container vs bareroot seedlings 37(4):24-28, Fall 1986; 34(1):33-39, Winter 1983
Douglas-fir twig weevil, damage and control, on seedlings 31(2):17-20, Spring 1980
fall lifting-spring planting, seedling survival/growth 30(3):27-29, Summer 1979
fungal diseases, control of 37(4):17-20, Fall 1986
germination
and growth on 2 soils 35(4):3-6, Fall 1984
of pollen, effects of 4 pesticides 35(1):22-24, Winter 1984
grafted coastal Oregon clone transplants fail at Monterey Peninsula 34(3):9-10, Summer 1983
grafts, effect of rootstock vigor on 31(1):11-14, Winter 1980
moss control in container seedlings 32(3):27-29, Summer 1981
photoperiod, extended, effects for various seed sources 32(4):9-12, Fall 1981
Pisolithus tinctorius basidiospores, field application to seedling roots 37(4):24-28, Fall 1986
root dip Symbex, effects on survival/growth 36(1):24-25, Winter 1985
seed
dusting with aluminum powder 29(3):14-16, Summer 1978
sizing of bulked seed lots reduces genetic base 30(1):24-30, Winter 1979
viability of, stratified and stored 33(4):23-25, Fall 1982

shading, artificial
costs for devices 36(4) :7-12, Fall 1985
effects on seedling survival 33(1):20-23, Winter 1982; 36(4):7-12, Fall 1985
site preparation 35(4):7-10, Fall 1984
stocktypes performance on skeletal soil 34(3):11-14, Summer 1983
suppresses 56-year-old sugar pine plantation 35(4) :11-13, Fall 1984
survival, predicting
device for 37(3):13-16, Summer 1986
of planting stock, oscilloscope technique 30(4):7-11, Fall 1979
survival and growth, seedlings
on droughty site 37(4):24-28, Fall 1986
on hot, dry site 36(4):3-6, Fall 1985
undercutting effects 32(3):33-36, Summer 1981
wetting agent in planting hole, effects on container stock 36(1)21-23, Winter 1985
wrenching effects on seedling drought avoidance 28(2):15-16, Spring 1977

Eastern cottonwood

cuttings, unrooted, soaking effects on survival 30(3):16-18, Summer 1979
root-shoot growth of seedlings and cuttings 28(1):27-28, 41, Winter 1977
rooting of clones variable 36(2):13-17, Spring 1985

Eastern redcedar

seed source, 10-year study 30(3):3-6, Summer 1979
seedlings and field cricket damage 31(3):18, Summer 1980

Eastern white pine

cone moisture content key factor in seed maturity 37(4):3-6, Fall 1986
cone storage 37(4):3-6, Fall 1986
fertilizer and sulphur, response to 32(2):14-15, Spring 1981

green manure of sorghum-Sudan toxic to seedlings 31(2):11-13, Spring 1980
interplanting with black walnut 37(2):29-31, Spring 1986
pine bark aphids cause growth loss, mortality 35(4):14-15, Fall 1984
planting, late, effects on seedlings 32(3):30-32, Summer 1981
roots, short, simple method to determine enzymatic content of 31(1):34-37, Winter 1980
roots, water-dipping of, frozen overwinter storage 31(3):25-28, Summer 1980
seed extraction 37(4):3-6, Fall 1986
seed quality 37(4):3-6, Fall 1986
seed sources, field test of 60 35(1):25-29, Winter 1984
shipping stock, 3-0, seedbed density and nursery fertilization effects 28(1):11-13, 39, Winter 1977

Economics

barriers to pine reforestation in South 34(2):8-10, Spring 1983
container-handling system and labor savings 35(1):6-9, Winter 1984
costs, container vs bare-root seedlings 33(1):34-37, Winter 1982
pine species selection for flatwoods sites pulpwood rotation 33(1):18-19, Winter 1982
price-buyer list for 73 wild plants 32(3):21-26, Summer 1981
tree-planting machines, method to determine affordability 35(3):8-11, Summer 1984
Ectomycorrhizae and nursery stock quality relationship 29(3):3-7, Summer 1978

Elaeagnus commutata. See Silverberry

Englemann spruce

fall lifting-spring planting, effects on seedling survival/growth 30(3):27-29, Summer 1979
filled seeds, quick estimate method 33(2):35, Spring 1982
hydromulch seedbed treatment 35(3):3-7, Summer 1984

photoperiod, extended, effects for various seed sources 32(4):9-12, Fall 1981
weed control treatments 34(1):10-11, Winter 1983

English oak

vs white oak seedlings 34(4):17-19, Fall 1983

Equipment

aquarium tester for root growth potential, constructing and using 37(3):13-16, Summer 1986
bedformer, triple, for multiple seedbeds 37(3):32-34, Summer 1986
cage, screen wire, for pine cone protection against seedbugs 28(2):25-28, Spring 1977
cone drier, microwave vacuum system 32(4):19-21, Fall 1981
cone storage racks 34(4):28-30, Fall 1983
container
Ray Leach vs tray 35(2):3-4, Spring 1984; 33(3):27-30, Summer 1982
tar paper, machine for mass producing 35(3):26-27, Summer 1984
cultivator
modified Lilliston rolling 31(4):30-32, Fall 1980
Swedish Bracke cultivator 30(3):24-26, Summer 1979
dewinger for small seed lots 29(4):21-23, Fall 1978
drawings, construction, and addresses for new equipment 32(3):37-38, Summer 1981
gravel spreader, manual, for covering seeds in containers 32(4):15-16, Fall 1981
herbicide applicator
device for glyphosate 33(2):15-16, Summer 1982
shield, low-cost, for herbicide hand-sprayer 34(3):22-23, Summer 1983
Spotgun 36(1):26-27, Winter 1985
hotbed design, for winter tree seedling storage 33(2):24-25, Spring 1982
irrigation, Moist-Scale, automatic watering device 28(3/4):27-28, Summer/Fall 1977
lifting machine
hardwood transplants 29(2):33-34, Spring 1978

HARTER, Finnish 32(2):24-29, Spring 1981
lysimeter, tension, soil moisture control system 37(1):27-32, Winter 1986
mensuration, golf cart tally board 31(2):31, Spring 1980
nursery sowers, comparison 36(3):20-24, Summer 1985
packaging-carrying box for seedlings 29(1):27-29, Winter 1978
planter
intermittent-furrow, evaluation of 34(4):3-4, Fall 1983
interval indicator 32(4):13-14, Fall 1981
mechanical tractor-drawn, for hardwood cuttings 34(1):7-9, Winter 1983
modified for herbicide application 33(3):13-14, Summer 1982
planting punch for cottonwood whips 34(2):6-7, Spring 1983
planting table for small seed lots 30(2):4-5, Spring 1979
polybin, frozen overwinter storage test of 34(1):3-6, Winter 1983
scalping, hand tools 37(2):12-14, Spring 1986
scarifier, Bracke mechanical 37(4):29-30, Fall 1986
seed extractor for conifers, inexpensive and compact 28(1):14-15, Winter 1977
seed harvester, Bowie Vac-U-Seed Harvester 32(1):29-31, Winter 1981
seed processing facility, solar heated 29(2):29-30, Spring 1978
seed tumbler-drier, multiple compartments 35(3):23-25, Summer 1984
seeder
manual, for round seeds 31(2):23-24, Spring 1980
precision, Oyjord 29(4):30-32, Fall 1978
vacuum, for precision seeding in nurserybeds 33(4):32-34, Fall 1982
shipping tray, disposable, for seedlings grown in Ray Leach Super Cells 36(3):25-26, Summer 1985

storage facility, refrigerated, for seedlings 29(4):10-11, Fall 1978
time-temperature monitors for seedling storage 36(1):19-20, Winter 1985
weeding cart 28(3/4):29, Summer/Fall 1977

Erosion control. See *also* individual tree species
steep slopes stabilized by rhizomes 36(1):10-13, Winter 1985

Eucalyptus

fertilization of seedlings 32(1):26-28, Winter 1981; 33(2):3-7, Spring 1982
fertilizers, comparison of 35(2):20-24, Spring 1984
growing media for container seedlings 30(3):14-15, Summer 1979
packing and storage effects on container seedlings 29(1):30-31, Winter 1978
potting mixture for tube-container seedlings 37(4):12-16, Fall 1986
propagation of nursery seedlings 37(2):3-7, Spring 1986
provenance, 1st-year study of 7 species 32(2):30-34, Spring 1981
seed stratification 37(2):3-7, Spring 1986
survival, bareroot vs container seedlings 31(4):20-22, Fall 1980
winter planting 28(3/4):14-17, Summer/Fall 1977

European white spruce. See *also* Norway spruce
provenance tests 32(2):16-18, Spring 1981

Experimental tree materials

systematic procedures for handling 33(3)9-12, Summer 1982

Firs. See *also* individual tree species
pocket gophers, damage of large true firs 35(2):28-30, Spring 1984

Fraser fir

competition control in Christmas-tree plantations 31(1):16-20, Winter 1980
controlled pollination techniques 34(3):3-8, Summer 1983

Fraxinus

americana. See White ash
pennsylvanica. See Green ash

Fungus, fungal diseases. See individual tree species

Gambel oak

seed treatments 28(2):4-5, Spring 1977

Giant sequoia

seed germination trials 32(2):3-8, Spring 1981

Ginseng. See American ginseng

Gleditsia triacanthos. See Honeylocust

Green ash

fertilization, response of recently germinated seedlings 32(3):3-8, Summer 1981

fertilizer tablet, effects on plantation growth 28(1):34-36, 42, Winter 1977

phosphorus requirements in alkaline soil 31(3):19-21, Summer 1980

seed

maturity measured by seed moisture content 30(4):17-19, Fall 1979

pregermination treatments 33(3):9-11, Summer 1981

rapid measurement of moisture content 31(3):9-10, Summer 1980

treatment and storage recommendations 35(1):20-21, Winter 1984

Greenhouse. See *also* individual tree species

algae controlled by fungicides 34(4):5-7, Fall 1983

soil moisture control system 37(1):27-32, Winter 1986

tension lysimeter 37(1):27-32, Winter 1986

Gymnocladus dioicus. See Kentucky coffeetree

Hand tools. See Equipment

Hardwoods. See *also* individual tree species
container seedlings, production recommendations 29(3):9-11, Summer 1978; 29(4):3-9, Fall 1978

Herbicides. See individual tree species

Honeylocust

herbicides, pre-emergent, for direct seeding of 34(3):24-27, Summer 1983

Hydroponics

device and techniques to evaluate seedling quality 37(3):13-16, Summer 1986

Imperial Carolina poplar

growth on range of soil types 33(2):8-13, Spring 1982

Incense-cedar

germination and growth on 2 soils 35(4):3-6, Fall 1984

Insects. See also individual tree species

lesser cornstalk borer, diagnosis and control 33(4):37-39, Fall 1982

pales weevil damage to southern pine seedlings reduced by presummer harvesting 34(2):15-16, Spring 1983

International shipment

procedures for handling seeds and cuttings 36(3):27-28, Summer 1985

Inventory, nursery

bibliography, annotated 28(1):29-33, Winter 1977

method for estimating required number of sample plots 29(3):27-28, Summer 1978

Italian stone pine. See Mediterranean pines**Jack pine**

container treatment and soil amendment 29(1):18-21, Winter 1978

drought resistance, quick and simple estimation of 30(1):8-10, Winter 1979

female strobili on 12-month-old seedlings 30(2):24-26, Spring 1979

Gremmeniella abietina, effect on new plantation 43(1):21-24, Winter 1983

mechanical seeder calibrated by seed moisture content 30(4):22-24, Fall 1979

paperpots, seedlings planted in 30(1):20-21, Winter 1979

preplant spraying or soaking, effects on seedling growth 36(4):24-27, Fall 1985

root-top ratio, volumetric, simple and rapid immersion determination of 30(1):8-10, Winter 1979

roots, short, simple method to determine enzymatic content 31(1):34-37, Winter 1980

soil moisture deficit and seedling survival 37(3):23-26, Summer 1986

soil, nursery, treatments 30(1):14-15, Winter 1979

storage, overwinter frozen, water dipping and sphagnum moss 32(1):3-5, Winter 1981

survival, equation for predicting, using soil moisture deficit 37(3):23-26, Summer 1986

Juglans nigra. See Black walnut

Juniper

cones, technique for depulping 29(4):33-34, Fall 1978

systematic procedure for handling experimental materials 33(3):9-12, Summer 1982

Juniperus. See Juniper

Juniperus virginiana. See Eastern redcedar

Kentucky coffeetree

acid scarification, effects on germination 36(2):23, Spring 1985; 34(2):33-35, Spring 1983

herbicides, pre-emergent, for direct seeding 34(3):22-27, Summer 1983

pregermination treatments 34(2):33-35, Spring 1983

Koa

cattle control, Big Game Repellant 32(4):25-26, Fall 1981

Land reclamation. See Mine spoil reclamation

Larix occidentalis. See Western larch

Lespedeza bicolor

southern blight control 30(2):31-35, Spring 1979

Librocedrus decurrens. See Incense-cedar

Liquidambar styraciflua. See Sweetgum

Liriodendron tulipifera. See Yellow-popular

Loblolly pine

bermudagrass competition in nursery bed 29(4):20, Fall 1978
black root rot and loss of feeder roots, effects on seedling survival 34(1):18-20, Winter 1983
Christmas tree stock selection 31(3):29-31, Summer 1980
clonal interstocks 34(1):30-32, Winter 1983
cone collection
and postharvest treatments 35(3):12-14, Summer 1984
and production, top pruning and branch bending 30(2):27-30, Spring 1979
container seedlings
"bullet," year-round planting 31(2):21-22, Spring 1980
container types and growing media, 5-year survival/growth 32(1):9-11, Winter 1981
Ray Leach vs tray, survival rate 35(2):3-4, Spring 1984
dieback-azinthosmethyl study 29(3):18-21, Summer 1978
erosion control, review of planting techniques 30(2):15-18, Spring 1979
fertilization vs mycorrhizal infection 37(3):17-22, Summer 1986
fusiform rust
Bayleton 34(3):19-21, Summer 1983; 35(2):11-13, Spring 1984
ferbam 28(2):17-18, 29, Spring 1977
losses and control costs in nursery 31(2):3-8, Spring 1980
system to screen seedlots for resistance 33(3):27-30, Summer 1982
germination
freezing and soaking seed treatments 28(1):3-4, 37, Winter 1977
seedbed mulch, effects on 33(2):19-21, Spring 1982
seed coating with fungicides 30(1):3-4, Winter 1979

herbicides, soil-applied, vs charcoal, effects on seedling survival 31(2):14-16, Spring 1980
ice damage to heavily thinned, row-thinned plantations 32(1):6-8, Winter 1981
morphology
differences, greenhouse- vs outdoor-grown 35(3):15-18, Summer 1984
grades, correlation with 1st-year survival 34(4):34-36, Fall 1983
packaging and storage method 28(3/4):30-31, Summer/Fall 1977
Pisolithus tinctorius, development affected by fertilization 37(3):17-22, Summer 1986
purple gerardia, parasite, effects on growth 29(4):24-25, Fall 1978
root growth potential, effects of seedling size and lifting date 35(1):34-38, Winter 1984
seed
source, Piedmont-Coastal Plain comparison of improved seed 30(3):33-35, Summer 1979
viability, stratified and stored 33(4):23-25, Fall 1982
vigor estimation 36(3):16-19, Summer 1985
seedling debarking weevil, controlled by use of container seedlings 29(4):18-19, Fall 1978
seedling growth-seed size-cotyledon relationship 30(2):22-23, Spring 1979
seedlings
coal mine spoil, growth on 36(3):9-12, Summer 1985
drought-stressed, low- and high-vigor 34(2):26-27, Spring 1983
prairie site, survival/growth on 28(2):19, 29, Spring 1977
production costs in southern nurseries 35(3):19-22, Summer 1984
storage 36(1):19-20, Winter 1985; 34(1):28-29, Winter 1983; 1-0 and 2-0 comparison 33(2):22-23, Spring 1982
slash burning, effects on planted seedlings 28(2):22-24, Spring 1977
survival, black root rot 34(1):18-20, winter 1983

tree growth, 15 years, seed and seedling sizes effects on 30(4):25-28, Fall 1979
 Treflan injury of seedlings 29(3):25-26, Summer 1978
 vs slash, longleaf pines for pulpwood rotation 33(1):18-19, Winter 1982
 vs slash pine, 15-year growth 28(2):10-14, 29, Spring 1977

Lodgepole pine

Botrytis blight, fungicide trials 35(4):16-19, Fall 1984
 container vs bareroot seedlings 29(2): 16-19, Spring 1978
 fall lifting-spring planting, seedling survival/growth 30(3):27-29, Summer 1979
 hydromulch seedbed treatment, effects on seedling density 35(3):3-7, Summer 1984
 northern pitch twig moth, chemical control trials 32(3):18-20, Summer 1981
 seed
 dusting with aluminum powder 29(3):14-16, Summer 1978
 sources and 1st-year root development 32(4):5-8, Fall 1981

Longleaf pine

brown-spot needle blight
 pruning promotes 29(1):3-4, Winter 1978
 treatment 37(1):5, Winter 1986; 35(1):30-33, Winter 1984
 germination
 freezing-soaking seed treatments 28(1):3-4, 37, Winter 1977
 presoaking seed in sterilants 33(1):8-11, Winter 1982
 seed coating with fungicides 30(1):3-4, Winter 1979
 seed covering relationship to 29(2):13-15, Spring 1978
 WEX effects on 30(4):29, Fall 1979
 Pythium control on container seedlings, 10 fungicides 30(3):7-10, Summer 1979
 root pruning, lateral, effects on seedling development 34(2):17-19, Spring 1983

seed vigor, techniques to estimate 36(3):16-19, Summer 1985
 seedlings, size and storage, effects on survival 32(4):3-4, Fall 1981
 storage, length of, effects on survival/growth 35(1):30-33, Winter 1984
 transplanting germinating seeds into containers 33(1):38-39, Winter 1982
 vs slash, loblolly pines for pulpwood rotation 33(1):18-19, Winter 1982

Lonicera mackii. See Amur honeysuckle

Machinery. See Equipment

Mediterranean pines

spot sowing under shelter applicable to other areas with similar climate 34(4):23-27, Fall 1983

Mesquite

seed processing techniques 30(3):19, Summer 1979

Mine spoil reclamation. See *also* individual tree species

acidity amended with lime 37(3):27-31, Summer 1986
 nitrogen-fixing species recommendations 37(3):27-31, Summer 1986
 survival/growth of 10 species, 30-year record 28(3/4):18-21, 31, Summer/Fall 1977
 vesicular-arbuscular mycorrhizae in nursery-produced seedlings after 1 year on surface-mined sites 32(1):20-22, Winter 1981

Mongolian cherry

seed treatment 37(3):35-38, Summer 1986

Monterey pine. See *also* Radiata pine

green manure of sorghum-Sudan toxic to seedlings 31(2):11-13, Spring 1980
 Mycorrhizal, short shoots-nursery stock quality relationship 29(3):3-7, Summer 1978

Narrowleaf cottonwood

seed germination, seed hairs 31(3):3-4, Summer 1980

Noble fir

height growth 8 years after planting 34(4):37-38, Fall 1983

moss control in container seedlings 32(3):27-29, Summer 1981

Northern red oak

Cylindrocladium crotalariae fungus 36(2):6-9, Spring 1985

fertilizer, magnesium ammonium phosphate, 8-year response to 31(1):9-10, Winter 1980

germination and acorn collection procedures relationship 37(3):8-12, Summer 1986

germination, field, low temperatures optimum for 31(2):32-34, Spring 1980

height-volume relationship to leaf area-dry weight 31(3):16-17, Summer 1980

morphological grading system for nursery stock 36(1):15-18, Winter 1985

planting stock roots, seasonal carbohydrate levels 29(3):22-24, Summer 1978

root pruning, effects of 7 treatments on survival/growth 31(4):10-11, Fall 1980

root soak, hormone 31(1):29-33, Winter 1980

seed viability measured by water-flotation method 37(3):8-12, Summer 1986

seedling growth and seedbed shoot characteristics relationship 28(1):21-23, Winter 1977

seedling survival and growth

bareroot vs container vs direct-

seeded 30(1):16-19, Winter 1979

3-year performance 32(3):12-14, Summer 1981

Northern white-cedar

nursery soils amendment 28(3/4):22-23, Summer/Fall 1977

Norway spruce. See also European white spruce

nursery soils amendment 28(3/4):22-23, Summer/Fall 1977

Nuttall oak

acorns, over-winter storage in water 30(2):6-8, Spring 1979

Packaging

seedling packing-carrying box 29(1):27-29, Winter 1978

seeds and cuttings for international shipment 36(3):27-28, Summer 1985

stored vet materials, preventing phytotoxic fermentation 33(3):20-21, Summer 1982

Panax quinquefolium. See American ginseng

Paulownia

container seedlings, production recommendations 33(1):29-32, Winter 1982

germination

diammonium phosphate fertilizer, effects on 31(1):6-8, Winter 1980

stratification vs dry storage 30(4):4-6, Fall 1979

treatments and light requirements 32(4):27-

29, Fall 1981

nursery bed recommendations 37(2):8-11,

Spring 1986

photoperiod effects on seedling growth 31(1):3-5, Winter 1980

planting stock production 37(2):8-11, Spring 1986

top and root growth 35(2):16-19, Spring 1984

Paulownia tomentosa. See Paulownia

Pecan

germination, seed treatments 29(3):12-13, 35, Summer 1978

pruning, effects on survival/growth 31(3):13-15, Summer 1980

seed size and seedling height growth 30(1):31-33, Winter 1979

Picea

abies. See European white spruce; Norway spruce

engelmannii. See Engelmann spruce

glauca. See White spruce

mariana. See Black spruce

pungens. See Blue spruce

sitchensis. See Sitka spruce

Pinus

- banksiana*. See Jack pine
- brutia*. See Mediterranean pines
- caribaea*. See Caribbean pine
- clausa*. See Sand pine
- contorta*. See Lodgepole pine
- echinata*. See Shortleaf pine
- elliottii*. See Slash pine
- glabra*. See Spruce pine
- halepensis*. See Mediterranean pines
- lambertiana*. See Sugar pine
- monticola*. See Western white pine
- palustris*. See Longleaf pine
- pinea*. See Mediterranean pines
- ponderosa*. See Ponderosa pine
- radiata*. See Monterey pine; Radiata pine
- resinosa*. See Red pine
- rigida*. See Pitch pine
- sabiniana*. See Digger pine
- strobus*. See Eastern white pine
- sylvestris*. See Scotch pine
- taeda*. See Loblolly pine
- virginiana*. See Virginia pine

Pitch pine

- stripmine site preparation for establishing seedlings 30(1):22-23, Winter 1979

Planters, planting machinery. See Equipment***Platanus occidentalis*.** See Sycamore**Planting techniques.** See also individual tree species

- planting stock performance potential, quick index for quality 33(4):26-27, Fall 1982
- procedure to ensure precise spacing 35(4):25-26, Fall 1984
- shovel superior to bar 32(2):22-23, Spring 1981

Ponderosa pine

- cone measurement by hectoliter box 32(4):17-18, Fall 1981
- container seedlings survival/growth 37(2):15-19, Spring 1986
- fall lifting-spring planting, seedling growth/survival 30(3):27-29, Summer 1979

- fertilization of seedlings 37(2):15-19, Spring 1986
- germination and depth of seed covering relationship for container plants 29(1):22-23, Winter 1978
- hydromulch seedbed treatment and seedling density 35(3):3-7, Summer 1984
- mule deer damage, plastic tube protection for seedlings 33(3):22-26, Summer 1982
- mycorrhizae inoculation 37(2):15-19, Spring 1986
- nursery soils, red alder sawdust addition to 30(3):30-32, Summer 1979
- pocket gophers, effects on seedling survival/growth 29(2):20-23, Spring 1978
- reforestation by germinant planting 29(2):3-6, Spring 1978
- rodent damage to container seedlings 32(1):12-15, Winter 1981
- root treatment, benomyl 37(1):5, Winter 1986
- seed source, effects on germination 33(1):12-14, Winter 1982
- seed yield of cones, estimating 37(1):3-4, Winter 1986
- seedcoat treatment, Mesurool 75% Seed Treater, bird repellent 35(1):12-17, Winter 1984
- seedling growth impairment, aeration and mycorrhiza 29(2):31-32, 34, Spring 1978
- seedling survival on hot, dry site 36(4):3-6, Fall 1985
- vs sugar pine on hot, dry site 29(4):14-17, Fall 1978

Poplar hybrids

- cuttings
 - collection time and storage temperature effects on development 32(4):33-36, Fall 1981
 - herbicides, evaluation 28(3/4):10-13, Summer/Fall 1977; 28(2):20-21, Spring 1977
 - rooting method 30(2):9-11, Spring 1979
 - plantation establishment 37(1):6-10, Winter 1986

site preparation, tillage vs no-tillage 37(1):6-10, Winter 1986

weed control, geese vs herbicides 35(1):10-11, Winter 1984

Populus. See also Poplar hybrids

air-pollination chamber for breeding 31(3):5, Summer 1980

cottonwood, 1st-year survival of long cuttings 34(3):34-37, Summer 1983

poplar cuttings, refrigerated storage 33(4):3-5, Fall 1982

Populus

angustifolium. See Narrowleaf cottonwood

balsamifera. See Balsam poplar

deltoides. See Eastern cottonwood

x *euramericana eugenei.* See Imperial Carolina poplar

fremontii var. *wislizenii.* See Rio Grande cottonwood

grandidentata. See Bigtooth aspen

tremuloides. See Quaking aspen

trichocarpa. See Black cottonwood

Post oak

fertilizer, magnesium ammonium phosphate, 8-year response to 31(1):9-10, Winter 1980

Prosopis. See Mesquite

Prunus

fruticosa. See Mongolian cherry

mackii. See Amur chokecherry

serotina. See Black cherry

Pseudotsuga menziesii. See Douglas-fir

Quaking aspen

chemical weed control effects, survival/growth 36(1):3-7, Winter 1985

container vs bareroot seedlings, 2-year performance 29(2):24-28, Spring 1978

seed

collection and storage 29(2):35, Spring 1978

germination and seed hairs 31(3):3-14, Summer 1980

seedling planting depth, effect on survival/growth 36(1):3-7, Winter 1985

Quercus

acutissima. See Sawtooth oak

a/ba. See White oak

arkansana. See Arkansas oak

coccinea. See Scarlet oak

falcata var. *pagodifolia.* See Cherrybark oak

gambe/li. See Gambel oak

ilicifolia. See Bear oak

kel/oggii. See California black oak

nigra. See Water oak

nuttallii. See Nuttall oak

phellos. See Willow oak

prinus. See Chestnut oak

robur. See English oak

rubra. See Northern red oak

shumardii. See Shumard oak

stellata. See Post oak

velutina. See Black oak

Radiata pine. See also Monterey pine

seedling production regime in New Zealand 29(3):17,35, Summer 1978

Red alder

mound layering to propagate seedlings 37(4):21-23, Fall 1986

rooting of cuttings 31(3):22-24, Summer 1980

sawdust applied to nursery soils 30(3):30-32, Summer 1979

Red pine

container treatment and soil amendment recommendations 29(1):18-21, Winter 1978

container vs bareroot stock 37(2):24-26, Spring 1986

cutworms, in seedbeds, diagnosis and control 34(2):20-21, Spring 1983

fall vs spring planting, survival and growth 37(2):24-26, Spring 1986

fertilization, response of recently germinated seedlings 32(3):3-8, Summer 1981

green manure of sorghum-Sudan toxic to seedlings 31(2):11-13, Spring 1980
Gremmeniella abietina survives field exposure in plastic bag 35(1):18-19, Winter 1984
 growing media for containerized seedlings 33(1):3-7, Winter 1982
 paperpots, seedlings planted in 30(1):20-21, Winter 1979
 pruning root stumps 30(2):19-21, Spring 1979
 roots, short, simple method to determine enzymatic content 31(1):34-37, Winter 1980
 roots, water-dipping of, frozen overwinter storage 31(3):25-28, Summer 1980
 seedling measurement 36(2):27-29, Spring 1985
 statistical method, sample size for evaluating treatment effects 35(2):14-15, Spring 1984
 storage
 frozen overwinter 34(1):3-6, Winter 1983
 frozen spring 29(4):26-29, Fall 1978
 survival, equation for predicting, using soil moisture deficit 37(3):23-26, Summer 1986

Redwood

Botrytis blight
 evaluation of fungicides for container seedlings 29(4):12-13, Fall 1978
 fungicide application systems in greenhouse 32(1):32-33, Winter 1981

Rio Grande cottonwood

seed germination, seed hairs 31(3):3-4, Summer 1980

Robinia pseudoacacia. See Black locust

Root diseases. See also individual tree species
 control of in containerized-conifer nurseries 36(2):3-5, Spring 1985

Root growth potential. See also individual tree species
 hydroponic test of 37(3):13-16, Summer 1986

Salix. See Willow

Sand pine

Choctawhatchee, nursery practices 29(1):8-11, 23, Winter 1978

Christmas tree stock, selection method 31(3):29-31, Summer 1980
 Ocala, seedbed scarifier effect on establishment 33(2):26-28, Spring 1982

Sawtooth oak

direct-seeded, growth on diverse sites 36(3):3-5, Summer 1985

Scalping

long-term effect on organic matter content of sandy soils 36(3):13-15, Summer 1985

Scarlet oak

fertilizer, magnesium ammonium phosphate, 8-year response to 31(1):9-10, Winter 1980

Scotch pine

Christmas tree plantations, competition control 31(1):16-20, Winter 1980
 germination, substrate moisture effects on 36(2):24-26, Spring 1985
 propagation of juvenile cuttings under 24-hour photoperiod 34(4):39-42, Fall 1983
 provenance tests 32(2):16-18, Spring 1981
 short shoots, production method 29(2):9-12, Spring 1978
 transplanting of seedlings, spring vs fall 32(1):16-19, Winter 1981

Seed. See also individual tree species
 international shipping procedures 36(3):27-28, Summer 1985

Seed treatment. See also individual tree species
 drying
 multiple-compartment tumbler-drier 35(3):23-25, Summer 1984
 solar heat 29(2):29-30, Spring 1978
 equipment catalog for processing small seed lots 29(1):4, Winter 1978
 impact damage 37(3):3-7, Summer 1986
 moisture content
 and temperature recommendations 37(3):3-7, Summer 1986
 of large seeds, rapid measurement of 31(3):9-10, Summer 1980

sizing

physical screens vs gravity for uniform density 37(3):3-7, Summer 1986

useful nursery practice 35(2):5-10, Spring 1984

Seed viability and quality. See also individual tree species

defining and measuring 37(3):3-7, Summer 1986

impact damage 37(3):3-7, Summer 1986

procedure for establishing economic value of increased quality 34(2):31-32, Spring 1983

Seedbeds

formation of raised multiple seedbeds, triple bedformer method 37(3):32-34, Summer 1986
pines and hardwoods, herbicide control of 3 grasses 33(1):24-28, Winter 1982

Seedling description code 29(3):8, Summer 1978; 28(3/4):6, Summer/Fall 1977

Seedlings. See individual tree species

Sequoia sempervirens. See Redwood

Sequoiadendron giganteum. See Giant sequoia

Shading. See also individual tree species

artificial, increases seedling survival on harsh sites 33(1):20-23, Winter 1982

Shagbark hickory

seeds, rapid measurement of moisture content 31(3):9-10, Summer 1980

Shortleaf pine

algae in containers controlled by fungicides 34(4):5-7, Fall 1983

Christmas tree stock, selection method 31(3):29-31, Summer 1980

flowering and cone survival, drip irrigation effects 36(2):18-22, Spring 1985

germination, seed coating with fungicides 30(1):3-4, Winter 1979

seedling growth-seed size cotyledon relationship 30(2):22-23, Spring 1979

seedling survival, nursery handling and storage effects 36(4):17-19, Fall 1985

transplanting germinating seeds into containers 33(1):38-39, Winter 1982

Shrubs. See also individual shrub species
winter storage recommendations 29(1):15-17, Winter 1978

Shumard oak

acorn germination, mechanical shaking effects 31(4):3-6, Fall 1980

acorns, presprouted and unsprouted, and sowing season 33(4):13-15, Fall 1982

eroded ridges, successfully planted on 34(2):28-30, Spring 1983

root rots 34(3):38-39, Summer 1983

seeds, rapid measurement of moisture content 31(3):9-10, Summer 1980

Siberian elm

weed control, trifluralin 31(2):25-27, Spring 1980

Silverberry

seed dormancy, overcoming 35(3):32-33, Summer 1984

Silver maple

yield-spacing-cutting cycle relationships 29(1):5-7, 26, Winter 1978

Site preparation. See individual tree species

Sitka spruce

container size, effects on seedling growth/survival 33(3):31-34, Summer 1982

potting mix for container seedlings, pH 28(1):16-17, 40, Winter 1977

seed dusting with aluminum powder 29(3):14-16, Summer 1978

Slash pine

bahiagrass impairs seedling growth 32(2):19-21, Spring 1981

black root rot and loss of feeder roots, effects on seedling survival 34(1):18--20, Winter 1983

container, Ray Leach, vs tray 35(2):3-4, Spring 1984

fertilizer tablet effects on plantation growth 28(1):34-36, 42, Winter 1977

fungus-damaged seeds, specific gravity table for separating seed lots 34(2):38-40, Spring 1983

fusiform rust

- Bayleton 34(1):16-17, Winter 1983; 33(1):15-17, Winter 1982
- ferbam 30(4):16,21, Fall 1979; 28(2):17-18, 29, Spring 1977
- losses and control costs in nurseries 31(2):3-8, Spring 1980
- screening seed lots for resistance 33(3):27-30, Summer 1982
- germination
- freezing and soaking seed treatments 28(1):3-4, 37, Winter 1977
 - seed coating with fungicides 30(1):3-4, Winter 1979
 - seed covering, relationship to 29(2):13-15, Spring 1978
 - seedbed mulch effects on 33(2):19-21, Spring 1982
 - wetting agent (WEX) effects on 30(4):29, Fall 1979
- ice damage to heavily thinned vs row-thinned plantations 32(1):6-8, Winter 1981
- root dip treatments, effects on survival/growth 30(1):34-35, Winter 1979
- seed
- size and weight effects on germination and survival 35(2):5-10, Spring 1984
 - viability of stratified and stored seeds 33(4):23-25, Fall 1982
- seedling growth-seed size-cotyledon relationship 30(2):22-23, Spring 1979
- vs loblolly pine, 15-year growth 28(2):10-14, 29, Spring 1977
- vs longleaf and loblolly pines for pulpwood rotation 33(1):18-19, Winter 1982
- Snowpack**
- prediction method for depth and duration 33(2):14-17, Spring 1982
- Soil.** See also individual tree species
- growing media for container seedlings associated with diseases 36(2):3-5, Spring 1985
 - humus deficiency in nursery soils, red alder sawdust addition 30(3):30-32, Summer 1979
 - organic matter content
 - of nursery soils, tree bark effects 32(1):23-25, Winter 1981
 - of sandy forest soil, long-term reduction from scalping 36(3):13-15, Summer 1985
- Soil moisture.** See also individual tree species
- computer-soil test method for determining planting time 28(2):3, Spring 1977
 - prediction equation, red and jack pine survival 37(3):23-26, Summer 1986
 - simple method for determining partial soil water retention curves in nursery 36(4):20-23, Fall 1985
 - tension lysimeter control system in greenhouse 37(1):27-32, Winter 1986
- Soil treatment.** See also individual tree species
- acid mine spoil, liming 37(3):27-31, Summer 1986
 - solar heating to control fungal diseases 37(4):17-20, Fall 1986; 36(1):28-34, Winter 1985
- Sowing season/date.** See also individual tree species
- fungal disease control, effects on 37(4):17-20, Fall 1986
- Sporotrichosis**
- disease hazard for nursery personnel, tree planters 34(4):8-9, Fall 1983
- Spruce pine**
- seed storage recommendations 30(4):20-21, Fall 1979
 - seed vigor, techniques to estimate 36(3):16-19, Summer 1985
- Statistical method**
- sample size 35(2):14-15, Spring 1984
- Strip-mine.** See Mine spoil reclamation
- Sugar maple**
- early flowering-seed production in plantations 30(3):11-13, Summer 1979
 - fungi isolated from seed, effects on seedling growth 30(2):12-14, Spring 1979
 - planted in fall, survival/growth 32(4):30-32, Fall 1981

seed

- cold soaking before stratifying 30(2):3, Spring 1979
- germination stimulated by stratification to foil 29(2):7-8, Spring 1978
- stratification regime unsatisfactory for germination 34(1):25-27, Winter 1983
- seedling growth, effects of container types and growing media 32(3):15-17, Summer 1981
- spring vs fall sowing 28(3/4):24-26, 31, Summer/Fall 1977
- weed control 35(3):28-31, Summer 1984

Sugar pine

- fusarium root rot fungicide trials on seedbed 34(3):15-18, Summer 1983
- plantation suppressed by naturally invading Douglas-fir 35(4):11-13, Fall 1984
- planting stock survival/growth, age and size effects 34(3):31-33, Summer 1983
- vs ponderosa pine on hot, dry site 29(4):14-17, Fall 1978

Sweetgum

- endomycorrhizae added to fumigated nursery bed, effects on seedling growth 28(3/4):3-5, 31, Summer/Fall 1977
- fertilizer tablet effects on plantation growth 28(1):34-36, 42, Winter 1977
- germination, WEX effects on 30(4):29, Fall 1979
- hydromulching in seedbeds 31(2):28-30, Spring 1980
- purple gerardia, parasite, effects on growth 29(4):24-25, Fall 1978
- soil
 - bulk density effects on growth 33(3):3-5, Summer 1982
 - texture effects on growth 36(3):6-8, Summer 1985
- spacing, 15-year results 28(1):18-20, Winter 1977
- weed control in seedbed 31(4) :30-32, Fall 1980

Swietenia mahagoni. See West Indies mahogany

Sycamore

- endomycorrhizae added to fumigated nursery bed, effects on seedling growth 28(3/4):3-5, 31, Summer/Fall 1977
- fertilizer tablet effects on plantation growth 28(1):34-36, 42, Winter 1977
- genetic composition of bulked seedlots 35(3):34-35, Summer 1984
- purple gerardia, parasite, effects on growth 29(4) :24-25, Fall 1978
- seedling growth, endomycorrhizae and fumigation effects 28(3/4): 3-5, 31, Summer/Fall 1977
- stand development, spacing and fertilization recommendations 31(4):26-29, Fall 1980
- weed control in seedbed 31(4):30-32, Fall 1980

Taxodium distichum. See Baldcypress

Thuja occidentalis. See Northern white-cedar

Tools. See Equipment

Trembling aspen. See Quaking aspen

Tsuga heterophylla. See Western hemlock

Ulmus pumila. See Siberian elm

Virginia pine

- Christmas trees, fertilization of 30(4):3, Fall 1979
- cone drying with solar heat 29(2):29-30, Spring 1978
- seedling growth-seed size-cotyledon relationship 30(2):22-23, Spring 1979
- stripmine site preparation for seedling establishment 30(1):22-23, Winter 1979

Water oak

- fertilizer tablet effects on plantation growth 28(1):34-36, 42, Winter 1977
- pruning, effects on survival/growth 31(3):13-15, Summer 1980
- seed removal, effects on seedling survival/growth 33(2):29-30, Spring 1982
- seeds, rapid measurement of moisture content 31(3):9-10, Summer 1980

Water-willow oak

acorns, cull, flotation in salt solution 34(4):10-12, Fall 1983

Weed control. See also individual tree species

field bindweed, effects of glyphosate and amitrole-T 32(4) :22-24, Fall 1981

field research methods applied to nurseries 29(3):29-34, Summer 1978

geese vs herbicides 35(1):10-11, Winter 1984

nursery bed sanitation program 33(4):35-36, Fall 1982

soil solar heating in nursery 36(1):28-34, Winter 1985

West Indies mahogany

crushed fruit shells used in potting media 33(4):28-31, Fall 1982

Western hemlock

Canococcum geophilum inoculation of container seedlings 36(4):13-16, Fall 1985

container size, effects on seedling survival/growth 33(3):31-34, Summer 1982

moss control in container seedlings 32(3):27-29, Summer 1981

potting mix for container seedlings, pH 28(1):16-17, 40, Winter 1977

seedling survival after cold storage 31(1):21-24, Winter 1980

Western larch

Botrytis blight, fungicide trials 35(4):16-19, Fall 1984

fall lifting-spring planting, seedling growth/survival 30(3):27-29, Summer, 1979

seed processing techniques 31(4):23-25, Fall 1980

Western white pine

seed germination improvement progress report 36(1):14, Winter 1985

seed germination, seed cutting effects 37(1):25-26, Winter 1986

White ash

planted in fall, survival and growth 32(4):30-32, Fall 1981

root soak, hormone 31(1):29-33, Winter 1980

seeds, rapid measurement of moisture content 31(34):9-10, Summer, 1980

weed control in plantation, cultivation vs herbicides 28(1):24-26, 40, Winter 1977

White fir

acorn storage technique, effects on viability 35(1):3-5, Winter 1984

fungal diseases, control of 37(4):17-20, Fall 1986

growing media-sawdust-flooring coverings, effects on seedling growth 28(2):6-9, Spring 1977

seedbed density and fertilization effects 35(4):22-24, Fall 1984

White oak

acorn storage technique, effects on viability 35(1):3-5, Winter 1984

fertilizer, magnesium ammonium phosphate, 8-year response to 31(1):9-10, Winter 1980

planting stock roots, seasonal carbohydrate levels 29(3):22-24, Summer 1978

seedbed density and fertilization effects 35(4) :22-24, Fall 1984; 34(4) :13-16, Fall 1983

seedling growth, effects of soil texture and bulk density 34(2):22-25, Spring 1983

seedling 3-year growth/survival 32(3):12-14, Summer 1981

vs English oak seedlings 34(4):17-19, Fall 1983

White spruce

fertilizer

and sulphur, 10-year response to 32(2):14-15, Spring 1981

soluble, salt levels, effects on seedling growth 34(4):31-33, Fall 1983

growing media for container seedlings 33(1):3-7, Winter 1982

herbicide, glyphosate, effect on transplants 31(1):15, Winter 1980

pesticides, effects of 4 on germination of pollen 35(1):22-24, Winter 1984

root-coating with polymer Waterlock 37(1):15-19, Winter 1986

roots, short, simple method to determine enzymatic content 31(1):34-37, Winter 1980

seeds

dusting with aluminum powder 29(3):14-16, Summer 1978

filled, quick estimate method 33(2):35, Spring 1982

source, Maine and Michigan 37(2):27-28, Spring 1986

seedling survival/growth under plastic

"house" 28(1):8-10, 38, Winter 1977

soil, nursery, treatments 30(1):14-15, Winter 1979

storage, frozen spring 29(4):26-29, Fall 1978

top pruning, effects on cone collection and production 32(2):9-13, Spring 1981

transplanting of seedlings, spring vs fall 32(1):16-19, Winter 1981

stunting, effects on seedling growth 36(2):10-12, Spring 1985

stunting and purple discoloration, cause and impact 33(4):19-22, Fall 1982

weed control treatments 34(1):10-11, Winter 1983

Willow

cuttings

refrigerated storage of 33(4):3-5, Fall 1982

weed control, herbicides 28(2):20-21, Spring 1977

seed viability after 3-year storage 31(2):9-10, Spring 1980

Willow oak

pruning, effects on survival/growth 31(3):13-15, Summer 1980

Yellow birch

growing media for container seedlings 29(1):12-14, Winter 1978

planted in fall, survival/growth 32(4):30-32, Fall 1981

provenance-growing media-fertilization recommendations 31(4):12-16, Fall 1980

Yellow-poplar

cone drying with solar heat 29(2):29-30, Spring 1978

plantation, site preparation and 10-year growth 28(1):5-7, 38, Winter 1977

planting stock roots, seasonal carbohydrate levels 29(3):22-24, Summer 1978

root soak, hormone 31(1):29-33, Winter 1980

seeding and seedbed recommendations 33(4):6-9, Fall 1982

survival/growth

bareroot vs container vs direct-seeded 30(1):16-19, Winter 1979

7-year performance 36(1):8-9, Winter 1985

3-year performance 32(3):12-14, Summer 1981