



RPM Ecosystems, LLC

WHOLESALE NATIVE PLANT NURSERIES

Northeast & Mid-Atlantic Species List 2009

Growing and Selling High Performance Native Trees and Plants!



Wayne Lovelace, developer of the Root Production Method, with a 3 yr. old RPM oak.



90 day RPM seedling



On left, one year RPM oak seedling root mass, on right, one year bare root oak seedling.

◆ Natives Species and Hardwoods are Our Specialty!

RPM Ecosystems' LLC is a containerized nursery that grows native trees and shrubs from seed by a patented process for use in restoration, reforestation and environmental conservation planting projects. RPM native species are reliable, hardy and naturally adapted to the climate conditions of their native environment. RPM native species are valuable to wildlife for food and shelter, excellent for stream and riverbank stabilization, wetland and forest restoration, soil erosion control and many other applications.

◆ RPM Trees Grow Fast!

The RPM process promotes greater basal diameter, shoot length and root volume, resulting in trees that grow to 2-5' tall in the first growing season. This accelerated growth continues after out planting.

◆ RPM Trees Have High Survivability!

Because of the consistent size and health of RPM trees, and the extraordinary development of their root systems, survival rates in difficult field conditions approach 95%.

◆ RPM Trees Produce Nuts, Seeds, and Fruit Fast!

RPM results in trees that demonstrate early nut, seed, and fruit production. Early nut production is critically important for natural regeneration as well as food for wildlife.

◆ RPM Trees Make Good Economic Sense!

RPM cultivated trees are cost and time effective solutions for conservation and environmental projects seeking to enhance success rates in growth, survivability, regeneration characteristics, and early fruit, nut, and seed production.

The Root Production Method® (RPM) is a patented NATURAL process (Non-GMO) found to positively affect trees, shrubs, and grasses. RPM is a series of horticultural practices including: collection of superior native seed stock, air-root pruning, greenhouse growing, acclimating to local conditions, balanced nutrition, soil health, and timing learned from over 20 years of field research. This method encourages the development of a larger, denser and more fibrous root mass that enables a tree to absorb and utilize more oxygen, water, and nutrients.

RPM Northeast & Mid-Atlantic Species List 2009

For current availability in any of our 3 nurseries or a quote, contact Customer Service at 888.776.9590 or sales@rpmecosystems.com

RPM Stage #3 containers are 10 1/8" diameter x 7 1/2" depth • plant height 2-5 feet depending on species

SPECIES NAME	COMMON NAME	SIZE	ZONE	W. I. S**	MATURE SIZE
<i>Acer rubrum</i>	red maple	#3	3-8	FAC	40-90'
<i>Acer saccharinum</i>	silver maple	#3	3-8	OBL	75-100'
<i>Acer saccharum</i>	sugar maple	#3	3-8	UPL; FACU	60-75'
<i>Amelanchier canadensis</i>	shadblow serviceberry	#3	3-8	FACU; FAC	To 35'
<i>Amelanchier laevis</i>	Allegheny serviceberry	#3	3-8	FACU	To 25'
<i>Asimina triloba</i>	pawpaw	#3	5-8	FAC; FACU	20 to 35'
<i>Betula lenta</i>	sweet birch	#3	3-7	FACU	50-75'
<i>Betula nigra</i>	river birch	#3	4-8	FACW; OBL	30-50'
<i>Callicarpa americana</i>	American beautyberry	#3	6-9	FACU-; FACU+	4-6'
<i>Carpinus caroliniana</i>	American hornbeam	#3	4-8	FAC	35 to 50'
<i>Carya glabra</i>	pignut hickory	#3	5-8	FACU-; FACU	75 to 100'
<i>Carya illinoensis</i>	pecan	#3	5-8	OBL	75 to 100'
<i>Carya laciniosa</i>	shellbark hickory	#3	4-8	FAC; FACW	75 to 100'
<i>Carya ovata</i>	shagbark hickory	#3	4-8	FACU-; FACU	75 to 100'
<i>Celtis occidentalis</i>	hackberry	#3	3-9	FACU	75-100'
<i>Cephalanthus occidentalis</i>	buttonbush	#3	4-8	OBL	12' x 12'
<i>Cercis canadensis</i>	eastern redbud	#3	5-8	UPL; FACU	20-35'
<i>Cornus alternifolia</i>	pagoda dogwood	#3	4-7	FACW	20-35'
<i>Cornus amomum</i>	silky dogwood	#3	5-8	FACW	8' x 8'
<i>Cornus florida</i>	flowering dogwood	#3	4-8	FACU-; FACU	To 20'
<i>Cornus racemosa</i>	gray dogwood	#3	3-8	OBL	6-12'
<i>Cornus sericea</i>	redosier dogwood	#3	2-7	OBL	To 15'
<i>Corylus americana</i>	American hazelnut	#3	4-8	UPL; FACU	6-12'
<i>Crataegus crus-galli</i>	cockspur hawthorn	#3	4-8	FACU; FAC	20-35'
<i>Diospyros virginiana</i>	persimmon	#3	4-9	FAC; FACU	30-45'
<i>Gymnocladus dioicus</i>	Kentucky coffeetree	#3	4-8	OBL	To 50'
<i>Juglans cinerea</i>	butternut	#3	4-8	FACU-; FACU	To 50'
<i>Juglans nigra</i>	black walnut	#3	3-8	FACU	To 60'
<i>Juniperus virginiana</i>	eastern redcedar	#3	2-8	FACU-; FACU	40-50'
<i>Larix laricina</i>	tamarack	#3	2-5	FACW	40-80'
<i>Lindera benzoin</i>	spicebush	#3	4-8	FACW-; FACW	10' x 8'
<i>Liquidambar styraciflua</i>	sweetgum	#3	5-8	FAC	To 70'
<i>Liriodendron tulipifera</i>	tuliptree	#3	5-8	FACU	To 80'

NURSERY LOCATIONS: NEW YORK • SOUTH CAROLINA • MISSISSIPPI

RPM Northeast & Mid-Atlantic Species List 2009

SPECIES NAME	COMMON NAME	SIZE	ZONE	W. I. S**	MATURE SIZE
<i>Magnolia acuminata</i>	cucumber tree	#3	4-8	FACU	75-100'
<i>Magnolia grandiflora</i>	southern magnolia	#3	6-9	FACU; FAC+	60-80'
<i>Magnolia virginiana</i>	sweetbay magnolia	#3	5-9	FACW+; OBL	To 20'
<i>Morella pensylvanica</i>	northern bayberry	#3	3-6	FAC	6-9'
<i>Nyssa sylvatica</i>	blackgum	#3	4-9	FAC	To 60'
<i>Ostrya virginiana</i>	hophornbeam (ironwood)	#3	3-9	FACU-; FACU+	35-70'
<i>Physocarpus opulifolius</i>	common ninebark	#3	2-8	UPL; FACW-	8-20'
<i>Pinus strobus</i>	eastern white pine	#3	3-8	FACU	To 60'
<i>Platanus occidentalis</i>	American sycamore	#3	4-9	FACW-	75-100'
<i>Populus deltoides</i>	eastern cottonwood	#3	3-9	FAC; FACW	50-80'
<i>Prunus maritima</i>	beach plum	#3	3-7		To 12'
<i>Prunus serotina</i>	black cherry	#3	3-7	FACU	75 to 100'
<i>Quercus alba</i>	white oak	#3	5-8	FACU	50-80'
<i>Quercus bicolor</i>	swamp white oak	#3	4-8	FACW+	60' x 60'
<i>Quercus imbricaria</i>	shingle oak	#3	4-8	FACU; FAC	To 60'
<i>Quercus lyrata</i>	overcup oak	#3	5-9	OBL	40-80'
<i>Quercus macrocarpa</i>	bur oak	#3	3-8	FACU; FAC	75-100'
<i>Quercus michauxii</i>	swamp chestnut oak	#3	4-8	FACW	To 60'
<i>Quercus pagoda</i>	cherrybark oak	#3	5-8	OBL	60-100'
<i>Quercus palustris</i>	pin oak	#3	4-8	FAC; FACW	50-75'
<i>Quercus prinus</i>	chestnut oak	#3	4-8	UPL; FACU-	To 60'
<i>Quercus rubra</i>	northern red oak	#3	3-8	FACU	75-100'
<i>Quercus velutina</i>	black oak	#3	4-8	UPL	50-60'
<i>Rhus aromatica</i>	fragrant sumac	#3	3-8		3' x 6'
<i>Rhus typhina</i>	staghorn sumac	#3	3-8		15-25'
<i>Robinia pseudoacacia</i>	black locust	#3	4-8		To 100'
<i>Rosa virginiana</i>	Virginia rose	#3	3-9	FAC	4-6'
<i>Salix discolor</i>	pussy willow	#3	2-8	FACW	To 30'
<i>Salix nigra</i>	black willow	#3	2-10	UPL; OBL	30-60'
<i>Sambucus canadensis</i>	common elderberry	#3	3-8	OBL	8' x 8'
<i>Sassafras albidum</i>	sassafras	#3	4-8	FACU-; FACU	30-50'
<i>Spiraea alba</i>	meadowsweet	#3	3-8	FACW; FACW+	3-4'
<i>Taxodium distichum</i>	bald cypress	#3	5-9	OBL	50-70'
<i>Thuja occidentalis</i>	northern white cedar	#3	2-8	UPL; FACW	To 20'
<i>Tsuga canadensis</i>	eastern hemlock	#3	3-7	FACU	40-70'
<i>Vaccinium corymbosum</i>	highbush blueberry	#3	3-8		6-12'
<i>Viburnum dentatum</i>	arrowwood viburnum	#3	4-8	FAC	12' x 12'
<i>Viburnum lentago</i>	nannyberry	#3	2-8	FACU; FAC	20' x 20'
<i>Viburnum prunifolium</i>	blackhaw viburnum	#3	4-8	FACU	20-35'

RPM Northeast & Mid-Atlantic Species List 2009

LARGER CALIPER RPM TREES

RPM trees and shrubs are available both as larger caliper B&B and in 15 gallon containers.

"I am always in search of better, innovative practices for more successful tree establishment. We mainly plant 1.5" caliper trees here at the City of Ithaca Parks and Forestry Department. I have had great success planting RPM's 1.5" caliper trees as well as smaller container grown trees from RPM. The survival rate has been very high and I have seen rapid establishment with RPM stock in harsh urban conditions."

— Andrew Hillman, City Forester Ithaca NY

One of our business partners is a B&B nursery that uses RPM trees and shrubs as liners. Due to our special relationship with this producer you are able to purchase 1.5"- 4" caliper B&B RPM trees directly from us. Availability is dependant on the digging schedule along with the grower's current saleable stock. Please call customer service for current pricing and availability.

RPM will produce 15 gallon container grown stock on a contract grow basis. Any production overages will be available on a first come first serve basis. Please contact customer service for more information along with projected time lines for production of your desired stock.

**WETLAND INDICATOR STATUS

(Source: USDA, Natural Resources Conservation Service) <http://plants.usda.gov/wetinfo.html>

Species are recommended based on the Natural Resources Conservation Services' National Wetland Indicator Status.

Indicator Code	Wetland Type	Comment
OBL	Obligate Wetland	Occurs almost always (estimated probability 99%) under natural conditions in wetlands.
FACW	Facultative Wetland	Usually occurs in wetlands (estimated 67-99%), but occasionally is found in non-wetlands.
FAC	Facultative	Equally likely to occur in wetlands or non-wetlands (estimated probability 34-66%).
FACU	Facultative Upland	Usually occurs in non-wetlands (estimated probability 67-99%), but occasionally found in wetlands (estimated probability 1%-33%).
UPL	Obligate Upland	Occurs in wetlands in another region, but occurs (estimated 99%) under natural conditions in non-wetlands in the regions specified.

When two indicators are given, they reflect the range from the lowest to the highest frequency of occurrence in wetlands across the regions in which the species are found. A positive (+) or negative (-) sign was used with the Facultative Indicator categories to more specifically define the regional frequency of occurrence in wetlands. The positive sign indicates a frequency toward the higher end of the category (more frequently found in wetlands), a negative sign indicates frequency towards the lower end of the category (less frequently found in wetlands).

- ◆ For current pricing and availability please contact Customer Service at 888.776.9590 or email sales@rpmecosystems.com
- ◆ For specific terms and conditions please go to www.rpmecosystems.com and click on "terms and conditions" on the "wholesale" page.
- ◆ For shipping please call 888.776.9590 for a quote. Pick up orders are always welcome.