

Abeliophyllum distichum	Betula maximowicziana	Cornus Rutgers Hybrids
Abies balsamea	Betula pendula	Cornus sericea/alba
Abies concolor	Betula platyphylla	Corylopsis glabrescens
Abies fraseri	Betula populifolia	Corylus avellana
Abies holophylla	Betula utilis	Corylus colurna
Abies homolepis	Buddleia davidii	Corylus americana
Abies koreana	Buxus microphylla	Cotinus coggygria
Abies nordmanniana	Buxus sempervirens	Cotinus obovatus
Abies procera	Callicarpa sp.	Cotoneaster acutifolius
Abies veitchii	Calluna vulgaris	Cotoneaster apiculatus
Acer buergerianum	Calycanthus floridus	Cotoneaster dammeri
Acer carpinifolium	Calycanthus hybrids	Cotoneaster horizontalis
Acer cissifolium	Campsis radicans	Cotoneaster lucidus
Acer davidii	Caragana arborescens	Cotoneaster multiflorus
Acer ginnala	Carpinus caroliniana	Cotoneaster salicifolius
Acer japonicum	Carpinus japonica	Crataegus crusgalli
Acer negundo	Carya cordiformis	Crataegus laevigata
Acer nikoense	Carya glabra	Crataegus mollis
Acer pensylvanicum	Carya ovata	Crataegus monogyna
Acer pseudosieboldianum	Carya tomentosa	Crataegus phaenopyrum
Acer saccharinum	Caryopteris x clandonensis	Crataegus viridis
Acer tataricum	Castanea mollissima	Crataegus x lavallei
Acer triflorum	Catalpa speciosa	Cryptomeria japonica
Acer truncatum	Ceanothus americanus	Cydonia oblonga
Actinidia arguta	Cedrus atlantica	Daphne caucasica
Actinidia kolomikta	Celastrus scandens	Daphne cneorum
Aesculus flava	Celtis laevigata	Daphne mezereum
Aesculus glabra	Celtis occidentalis	Daphne x burkwoodii
Aesculus hippocastanum	Cephalanthus occidentalis	Davidia involucrata
Aesculus parviflora	Cercidiphyllum magnificum	Deutzia gracilis
Aesculus pavia	Cercis canadensis	Deutzia scabra
Aesculus x carnea 'Briotii'	Chaenomeles japonica	Deutzia x lemoinei
Ailanthus altissima (male)	Chaenomeles speciosa	Diervilla sessilifolia
Akebia quinata	Chamaecyparis nootkatensis	Diospyros virginiana
Alnus glutinosa	Chamaecyparis pisifera	Dirca palustris
Amelanchier stolonifera	Chamaecyparis thyoides	Elaeagnus angustifolia
Aralia elata	Chionanthus retusus	Eleutherococcus sieboldianus
Aralia spinosa	Chionanthus virginicus	Enkianthus campanulatus
Aristolochia macrophylla (durior)	Cladrastis kentuckea	Erica carnea
Aronia arbutifolia	Clematis hybrids	Eucommia ulmoides
Aronia melanocarpa	Clematis terniflora	Euonymus bungeanus
Asimina triloba	Clematis virginiana	Euonymus europaeus
Berberis julianae	Clethra alnifolia	Evodia daniellii
Berberis koreana	Clethra barbinervis	Exochorda hybrids
Berberis x mentorensis	Comptonia peregrina	Exochorda racemosa
Betula alleghaniensis	Cornus alternifolia	Fagus grandifolia
Betula davurica	Cornus amomum	Forsythia dwarf cultivars
Betula lenta	Cornus mas	Forsythia mandschurica
	Cornus racemosa	Forsythia ovata

Forsythia suspensa var. sieboldii	Lonicera fragrantissima	Populus alba
Forsythia viridissima	Lonicera sempervirens	Populus deltoides
Fothergilla major	Lonicera x heckrottii	Populus grandidentata
Franklinia alata	Maackia amurensis	Populus nigra
Fraxinus excelsior	Maclura pomifera	Populus tremuloides
Fraxinus ornus	Magnolia acuminata	Potentilla fruticosa
Fraxinus pennsylvanica	Magnolia tripetala	Prinsepia sinensis
Fraxinus quadrangulata	Mahonia aquifolium	Prunus americana
Gymnocladus dioica	Metasequoia glyptostroboides	Prunus avium
Hamamelis mollis	Microbiota decussata	Prunus cerasifera
Hamamelis virginiana	Morus alba	Prunus glandulosa
Heptacodium miconioides	Morus nigra	Prunus laurocerasus
Hibiscus syriacus	Morus Pendula	'Schipkaensis'
Hippophae rhamnoides	Morus rubra	Prunus maackii
Hovenia dulcis	Myrica gale	Prunus maritima
Hydrangea anomala subsp. petiolaris	Myrica pensylvanica	Prunus nigra
Hydrangea arborescens	Neviusia alabamensis	Prunus pensylvanica
Hydrangea paniculata	Nyssa sylvatica	Prunus sargentii
Hypericum frondosum	Ostrya virginiana	Prunus serotina
Hypericum prolificum	Oxydendrum arboreum	Prunus serrula
Ilex decidua	Parrotia persica	Prunus serrulata
Ilex opaca	Philadelphus coronarius	Prunus triloba var. multiplex
Ilex pedunculosa	Philadelphus hybrids	Prunus virginiana
Itea virginica	Photinia villosa	Prunus x cistena
Juglans cinerea	Physocarpus opulifolius	Prunus x incam
Juglans nigra	Picea engelmannii	Prunus x yedoensis
Juniperus communis	Picea glauca	Pseudocydonia sinensis
Juniperus horizontalis	Picea omorika	Pseudolarix amabilis
Juniperus rigida	Picea orientalis	(kaempferi)
Juniperus sabina	Picea pungens	Pseudotsuga menziesii
Juniperus scopulorum	Pieris floribunda	Ptelea trifoliata
Juniperus squamata	Pinus albicaulis	Pterocarya fraxinifolia
Juniperus virginiana	Pinus aristata	Pterostyrax hispida
Kalmia latifolia	Pinus bungeana	Pyracantha coccinea
Kalopanax pictus	Pinus cembra	Pyrus communis
Kerria japonica	Pinus densiflora	Pyrus salicifolia 'Silver Frost'
Koeleruteria paniculata	Pinus flexilis	Quercus acutissima
Kolkwitzia amabilis	Pinus koraiensis	Quercus bicolor
Laburnum alpinum	Pinus mugo	Quercus coccinea
Laburnum anagyroides	Pinus nigra	Quercus illicifolia
Laburnum x watereri	Pinus parviflora	Quercus imbricaria
Larix decidua	Pinus ponderosa	Quercus macrocarpa
Larix kaempferi	Pinus resinosa	Quercus muehlenbergii
Larix laricina	Pinus rigida	Quercus phellos
Leucothoe axillaris	Pinus sylvestris	Quercus prinus
Leucothoe fontanesiana	Pinus virginiana	Quercus robur
Leucothoe racemosa	Platanus occidentalis	Quercus shumardii
Lindera benzoin	Platycladus orientalis	Quercus velutina
	Polygonum aubertii	Rhododendron arborescens

Rhododendron atlanticum	Sinocalycanthus chinensis	Tsuga heterophylla
Rhododendron bakeri	Sophora japonica	Ulmus americana 'Valley Forge'
Rhododendron calendulaceum	Sorbaria sorbifolia	Ulmus carpinifolia
Rhododendron carolinianum	Sorbus alnifolia	Ulmus glabra
Rhododendron dauricum	Sorbus americana	Ulmus parvifolia
Rhododendron 'Exbury hybrids'	Sorbus aucuparia	Ulmus rubra
Rhododendron maximum	Spiraea japonica	Ulmus x hollandica
Rhododendron obtusum	Spiraea prunifolia	Vaccinium angustifolium
Rhododendron periclymenoides	Spiraea x arguta	Vaccinium corymbosum
Rhododendron schlippenbachii	Spiraea x bumalda	Viburnum acerifolium
Rhododendron vaseyi	Spiraea x vanhouttei	Viburnum alnifolium
Rhododendron yakusimanum	Staphylea trifolia	Viburnum carlesii
Rhododendron yedoense	Stephandra incisa	Viburnum cassinoides
poukhanense	Styrax americanus	Viburnum dentatum
Rhodotypos scandens	Styrax japonicus	Viburnum dilatatum
Rhus aromatica	Styrax obassia	Viburnum farreri
Rhus copallina	Symphoricarpos albus	Viburnum lantana
Rhus glabra	Symphoricarpos orbiculatus	Viburnum lentago
Rhus typhina	Symplocos paniculata	Viburnum opulus
Ribes alpinum	Syringa laciniata	Viburnum plicatum var.
Ribes odoratum	Syringa meyeri	tomentosum
Robinia hispida	Syringa oblata	Viburnum prunifolium
Robinia pseudoacacia	Syringa patula 'Miss Kim'	Viburnum rhytidophyllum
Rosa glauca	Syringa reticulata	Viburnum sargentii
Rosa hugonis	Syringa villosa	Viburnum setigerum
Rosa hybrids	Syringa vulgaris	Viburnum sieboldii
Rosa moyesii	Syringa x chinensis	Viburnum trilobum
Rosa rugosa	Tamarix parviflora	Viburnum wrightii
Rosa virginiana	Taxodium ascendens	Viburnum x burkwoodii
Salix alba	Taxodium distichum	Viburnum x carlcephalum
Salix caprea	Taxus baccata 'Repandens'	Viburnum x juddii
Salix matsudana	Taxus canadensis	Viburnum x pragense
Salix melanostachys	Thuja plicata	Viburnum x rhytidophylloides
Salix purpurea	Tilia americana	Weigela florida
Salix sachalinensis 'Sekka'	Tilia heterophylla	Weigela middendorffiana
Salix x blanda	Tilia mongolica	Wisteria floribunda
Sambucus canadensis	Tilia platyphyllos	Wisteria sinensis
Sambucus pubens	Tilia tomentosa	Xanthoceras sorbifolium
Sambucus racemosa	Tilia x euchlora	Xanthorhiza simplicissima
Sassafras albidum	Tilia x europaea	Zanthoxylum americanum
Schizophragma hydrangeoides	Tsuga caroliniana	Zenobia pulverenta
Shepherdia argentea	Tsuga chinensis	
Shepherdia canadensis	Tsuga diversifolia	

Ornamental Plant Breeding

I have introduced 11 cold hardy rhododendron cultivars that are well adapted to the climate of New England and similar regions. The rhododendron breeding program was started in 1960 by Dr. Gustav Mehlquist with the goal of developing durable, cold-hardy rhododendrons with new flower colors, improved growth habits and disease and insect resistance. Introduced in 1999, the "Raise the Roof" series of rhododendrons were all given basketball-related names to celebrate the women's and men's NCAA basketball championships. Although unusual, the names 'Buzzer Beater', 'Hoopla', 'Huskymania', 'March Madness', 'Slam Dunk', and 'Tip Off' have been well received and are proving to be popular. Other rhododendron introductions are 'Carole Ray', 'Connecticut Yankee', 'Firestorm', 'White Peter', and 'Wojnar's Purple'. *Halesia tetraptera* 'UConn Wedding Bells' is a multistemmed selection of Carolina silver bell that blooms prolifically, with flowers that open wider than is typical for the genus. Ruby Ribbons switch grass (*Panicum virgatum* 'RR1') is a recent patented and trademarked ornamental grass that I bred. It has blue-green base foliage that turns a deep wine-red color weeks earlier than other red switch grasses. It is being launched for wholesale production by Ball Horticultural Co.