

BIRMINGHAM BOTANICAL GARDENS

MEMORANDUM

DATE: 21 January 2007

TO: All Plant People at BBG

FROM: Fred Spicer, Executive Director,
James Horton, Director of Horticulture

RE: Pesticide, Invasive Exotic Plant and Propagation Guidelines

The following rules, regulations and restrictions on activities are effective immediately at Birmingham Botanical Gardens (BBG) for all volunteers and class instructors, including but not limited to members of affiliated plant societies, plant groups, garden clubs, various “green” organizations, and flower arrangers, whether working in direct association with Friends of BBG, city of Birmingham, Alabama Cooperative Extension System, or working in unaffiliated events, shows, sales, swaps, exhibits or displays at or for BBG.

Use of Pesticides

Various federal, state, county and city regulations govern the use of pesticides on public property, including proper application, use of personal protective equipment and posting of treated areas. In order to comply with these regulations, and to maintain the safest possible environment for staff, volunteers and the public, no volunteer may handle, use, apply, mix, store or dispose of pesticides (which include, but are not limited to, herbicides, fungicides, miticides, nematocides and algacides) of any type on BBG property, unless under specific conditions as approved in writing by the Director of Horticulture. In addition, all volunteers must obey postings that restrict access to treated areas.

Bringing Plants onto BBG Property

Individuals and groups often bring, or order for purchase and delivery, plants and plant parts (which include, but are not limited to, propagules such as cuttings, divisions and seeds, items for flower arranging or decorating, and whole plants to be offered for sale or to be used as display or propagating stock) onto BBG property for a number of different legitimate purposes. In order to comply with applicable federal and state regulations, and to limit the introduction and spread of invasive exotic species (including plants, and plant- and soil-borne insect pests and diseases) and other species of concern, the following rules and regulations are now in effect:

- Plants and plant parts from sources outside US territories are not permitted on BBG property unless they have undergone phytosanitary inspection from the country of export and US authorities, or unless they have been imported under other legal means, and only if supporting documentation is made available to BBG.
- Soil and non-soil potting or growing mixes from sources outside US territories are not permitted on BBG property unless imported under legal means, and only if supporting documentation is made available to BBG.

- Plants and propagules of the terrestrial plant species in TABLE 1, which are identified as invasive species by the Alabama Invasive Plant Council, may not be brought onto BBG property, unless specifically permitted by the Director of Horticulture.
- Plants and propagules of the aquatic plant species in TABLE 2, which are identified as invasive species by the Alabama Invasive Plant Council, may not be brought onto BBG property, unless specifically permitted by the Director of Horticulture.
- Plants and propagules of the plant species in TABLE 3, which are either on “Watch List A” or “Watch List B” of the Alabama Invasive Plant Council, or have been identified as a “Plant of Concern” by BBG staff, may not be brought onto BBG property, unless specifically permitted by the Director of Horticulture.

See tables on following pages.

NOTE: Many of the species in these lists are easily recognized “weeds” and have significant negative economic impact throughout our state and region. They are problematic and difficult to control in our gardens and plant production areas as well. Seeds and root pieces of many of these species are easily moved in soil and soil mixes (such as accompanying root divisions from home, or in container-grown plants from nursery sources or home). Volunteers should exercise great care when bringing any soil onto BBG property, avoiding it if possible, and should take steps to insure that these species are not introduced.

- Plants or plant parts of the listed species should be always be securely bagged and thrown in waste containers, not on the ground, in compost or soil.
- If found on BBG property, plants or plant parts of any of the listed species may be confiscated and destroyed.

Sale of Plants

None of the plants listed may be offered for sale, sold, or given as dividends for, or on behalf of, Friends of Birmingham Botanical Gardens or Birmingham Botanical Gardens, or on BBG property.

Plant Propagation

The BBG living collection(s) are available for propagation, except as indicated below, but only if propagules are obtained by or under the direction of authorized BBG staff.

Propagation of Patented Plants

It is a violation of federal law to asexually propagate any patented plant without a licensing agreement from the patent holder. BBG does not condone unlawful propagation and will not permit it on-premises. It is the responsibility of the (volunteer) propagator to ascertain whether or not a plant is patented before it is propagated; the BBG taxonomist and library staff can assist in making the determination but the (volunteer) propagator assumes all risks, responsibilities and liabilities. Any patented plant(s) found being propagated illegally on BBG property will be confiscated and composted.

TABLE 1: INVASIVE EXOTIC TERRESTRIAL PLANTS

BOTANICAL NAME	COMMON NAME	LIFE FORM
<i>Ailanthus altissima</i>	tree-of-heaven	Tree
<i>Albizia julibrissin</i>	silk tree, mimosa	Tree
<i>Arundo donax</i>	Giant reed	Grass
<i>Carduus nutans</i>	nodding plumeless thistle	forb
<i>Colocasia esculenta</i>	Elephant ear, cocoyam	forb
<i>Commelina benghalensis</i>	tropical spiderwort	forb
<i>Dioscorea oppositifolia</i>	Chinese yam	vine
<i>Elaeagnus pungens</i>	thorny elaeagnus	shrub
<i>Elaeagnus umbellata</i>	autumn olive	shrub
<i>Fatua villosa</i>	Mulberry weed	forb
<i>Hedera helix</i>	English ivy	vine
<i>Imperata cylindrica</i>	Cogongrass	grass
<i>Lespedeza bicolor</i>	shrubby lespedeza	shrub
<i>Lespedeza cuneata</i>	Chinese lespedeza	shrub
<i>Ligustrum lucidum</i>	waxleaf, or glossy privet	shrub
<i>Ligustrum sinensis</i>	Chinese privet	shrub
<i>Lonicera japonica</i>	Japanese honeysuckle	vine
<i>Lonicera maackii</i>	Amur honeysuckle	shrub
<i>Lonicera spp.</i>	shrub honeysuckles	shrub
<i>Lygodium japonicum</i>	Japanese climbing fern	fern
<i>Lythrum salicaria, L. virgatum</i>	purple loosestrife	forb
<i>Melia azederach</i>	Chinaberry	tree
<i>Microstegium vimineum</i>	Japanese stiltgrass	grass
<i>Murdannia keisak</i>	Asiatic dewflower	forb
<i>Panicum repens</i>	torpedo grass	grass
<i>Paulownia tomentosa</i>	empress tree	tree
<i>Phyllanthus urinaria</i>	chamber bitter	forb
<i>Phyllostachys spp.</i>	bamboo species	grass
<i>Pueraria montana v. lobata</i>	kudzu	vine
<i>Pyrus calleryana</i>	callery pear	tree
<i>Rosa multiflora</i>	multiflora rose	shrub
<i>Senna obtusifolia</i>	sicklepod, Java-bean	forb
<i>Silybum marianum</i>	blessed milk thistle	forb
<i>Solanum volarum</i>	tropical soda apple	shrub
<i>Sorghum halapense</i>	Johnsongrass	grass
<i>Triadica sebifera (=Sapium sebiferum)</i>	popcorn tree, tallow tree	tree
<i>Wisteria sinensis</i>	Chinese wisteria	vine

TABLE 2: INVASIVE EXOTIC AQUATIC PLANTS

BOTANICAL NAME	COMMON NAME	LIFE FORM
<i>Alternanthera philoxeroides</i>	alligatorweed	forb
<i>Eichhornia crassipes</i>	common water hyacinth	forb
<i>Hydrilla verticillata</i>	hydrilla, waterthyme	forb
<i>Myriophyllum aquaticum</i>	parrot feather, water milfoil	forb
<i>Myriophyllum spicatum</i>	Eurasian water milfoil	forb
<i>Phragmites australis</i>	common reed	grass
<i>Pistia stratiotes</i>	water lettuce	forb
<i>Salvinia molesta</i>	giant salvinia, kariba-weed	forb

TABLE 3: WATCH LIST PLANTS & BBG PLANTS OF CONCERN

BOTANICAL NAME	COMMON NAME	LIFE FORM
<i>Alliaria petiolata</i>	garlic mustard	forb
<i>Ardisia crenata</i>	coralberry	shrub
<i>Cayratia japonica</i>	bushkiller	vine
<i>Celastrus orbiculatus</i>	Asian bittersweet	vine
<i>Cirsium vulgare</i>	bull thistle	forb
<i>Cirsium arvense</i>	Canada thistle	forb
<i>Dioscorea alata</i>	water yam	vine
<i>Dioscorea bulbifera</i>	air yam	vine
<i>Euonymus alatus</i>	burning bush	shrub
<i>Euonymus fortuneii</i>	creeping euonymus	vine
<i>Firmiana simplex</i>	parasol tree	tree
<i>Ilex cornuta</i>	Chinese holly	shrub
<i>Iris pseudacorus</i>	yellow flag iris	forb
<i>Ligustrum japonicum</i>	Japanese privet	shrub
<i>Liriope muscari</i>	monkey grass, lilyturf	forb
<i>Liriope spicata</i>	monkey grass, lilyturf	forb
<i>Lonicera fragrantissima</i>	winter honeysuckle	shrub
<i>Mahonia bealei</i>	leatherleaf mahonia	shrub
<i>Miscanthus sinensis</i>	Chinese silvergrass	grass
<i>Morus alba</i>	white mulberry	tree
<i>Nandina domestica</i>	heavenly bamboo	shrub
<i>Ophiopogon japonicus</i>	mondo grass	forb
<i>Polygonum cuspidatum</i>	Japanese knotweed	shrub
<i>Rosa bracteata</i>	Macartney rose	shrub
<i>Rosa laevigata</i>	Cherokee rose	shrub
<i>Solanum tampicense</i>	wetland nightshade	shrub
<i>Wisteria floribunda</i>	Japanese wisteria	vine

These lists are subject to change without notice.

NOTES

- BBG management realizes that existing specimens and populations of some of the listed plants are present on BBG property, whether through deliberate introduction, accidental introduction, or spontaneous, natural establishment.
- It is an ongoing part of our overall management strategy to work toward the control, and eventual removal, of identified invasive species.
- As part of our in-progress comprehensive Plant Collections Policy, decisions will be made on a species-by-species basis as to the fate of “plants of concern”. Depending on the species, treatment may include:
 - ✓ Complete removal of species and cultivars, or removal from specified areas;
 - ✓ Removal of all but a representative sample of the species (for programmatic purposes);
 - ✓ Removal of all fruiting cultivars, or female (seed-bearing) plants;
 - ✓ Management practices that prevent flower and/or fruit development;
 - ✓ Continued monitoring of spread, if any, and re-evaluation of treatment;
 - ✓ No action.