

The following information was compiled to assist residents in managing the problems associated with the burgeoning population of white-tail deer in our neighborhoods.

### Lyme Disease

The following information on Lyme Disease comes from the web site of the Centers for Disease Control:

#### Steps to reduce the risk of Lyme disease:

- You can reduce the number of ticks around your home by removing leaf litter, and brush- and wood-piles around your house and at the edge of your yard. Whenever possible, you should avoid entering areas that are likely to be infested with ticks, particularly in spring and summer.
- When you are going to be in areas that may have ticks, wear light-colored clothing so that they can be spotted more easily and removed before becoming attached.
- Wear long-sleeved shirts, and tuck your pants into socks; you may also want to wear high rubber boots since ticks are usually located close to the ground.
- Application of insect repellents containing DEET to clothes and exposed skin, and permethrin (which kills ticks on contact) to clothes, should also help reduce the risk of tick attachment. DEET can be used safely on children and adults but should be applied according to Environmental Protection Agency guidelines to reduce the possibility of toxicity.
- Since transmission of *B. burgdorferi* from an infected tick is unlikely to occur before 36 hours of attachment, check for ticks daily and remove them promptly. Embedded ticks should be removed by using fine-tipped tweezers. Cleanse the area with an antiseptic.

#### Tips for Avoiding Deer/Vehicle Collisions

1. **BE VIGILANT:** When you drive, make a habit of watching from side to side, especially in areas of low visibility or where roadside shrubs or grasses are close to the road.
2. **WATCH FOR GROUP BEHAVIOR:** Deer tend to travel in groups. If one deer crosses the road, watch for more to follow. Female deer tend to stay together as “doe groups” in winter and have young fawns following them in the spring.
3. **BE AWARE OF SEASONS:** In the fall, bucks are on the move due to rutting and hunting seasons. In spring (May-June), yearlings are seeking new territories. Be extra careful driving at these times of year.
4. **BE AWARE OF TIME OF DAY:** Deer are most active at dusk and dawn. Be watchful, especially during early morning and evening, when wildlife may be moving across roads.
5. **USE HIGH BEAMS:** At night, use your high beams to see farther ahead. Slow down and watch for the eye-shine of deer near the road edges.
6. **DRIVE STRAIGHT:** If at all possible, do not swerve to avoid wildlife but brake firmly and blow your horn. Animals are easily confused. If you swerve, deer may run into the vehicle rather than away from it. And swerving could mean driving into another vehicle or off the road into poles or fences.

## Deer-Resistant and Deer-Preferred Plants

Following is a list of plant species that tend to be deer resistant and those that deer tend to prefer:

### **Deer-Resistant Plants Annuals and Biennials**

Ageratum	Lobelia	Sweet basil
Alyssum	Marigold	Sweet pea
Annual Periwinkle	Melampodium	Thom apple
Blanket flower	Morning glory	Tickseed (coreopsis)
Blue salvia	Nasturtium	Verbena
California poppy	Parsley	Vinca
Cornflower	Pansy	Wax begonia
Dahlia	Plectranthus	Zinnia
Dusty miller	polka-dot plant	Zonal geranium
Flowering tobacco	Snapdragon	
Forget-me-not	Spiderflower	
Heliotrope		

### Groundcovers/Vines

Bittersweet	Honeysuckle	Trumpet vine
Bugleweed	Myrtle	Virginia creeper
Carolina jessamine	Pachysandra	Wild ginger
Cherokee rose	Periwinkle	Wisteria
Dead nettle	Sweet woodruff	

### Perennials/Bulbs

Adam's needle	Colchium	Goldenrod	Moss pinks	Silvermound
Alyssum	Columbine	Hay-scented fern	Mullein	Snakeroot
Amaryllis	Common dill	Heath	New York fern	Snowdrop
American bittersweet	Coneflower	Heather	Oregano	Soapwort
Americana mt. mint	Cranesbill (Geranium)	Hellebore	Oriental poppy	Society garlic
Angelica	Crinum lily	Hen&chicks	Ornamental chives	Spiderwort
Anise	Daffodil garlic	Herb of grace	Ornamental grass	Spike gayfeather
Anise hyssop	Daffodil	Hungarian speedwell	Ornamental onion	Spurge
Astilbe	Dame's rocket	Hyacinth	Ornamental rhubarb	Squill
Avens	Daphne	Interrupted fern	Ostrich fern	St. John's wort
Baby's breath	Delphinium	Iris	Painted daisy	Star of Bethlehem
Balloon flower	Dropwort	Jack-in-the-pulpit	Partridgeberry	Star of Persia
Barrenwort	Euphoria	Jacob's latter	Pennyroyal	Statice
Basket-of-gold	Evening primrose	Joe-pye weed	Perennial blue flax	Stella de Oro daylily
Bearberry	False indigo	Lady's mantle	Perennial sunflower	Summer snowflake
Bee balm	Ferns	Lamb's ear	Pinks	Sundrops
Bergenia	Feverfew	Lantana	Plumbago	Sweet Cicely
Bishop's weed	Foam flower	Larkspur	Poppy	Sweet William
Bleeding heart	Four o'clock	Lavender	Primrose	Tansy
Blue star	Foxglove	Lavender cotton	Queen of the prairie	Thyme
Bluebeard	Fritillary	Lenten rose	Rhubarb	Tiger lily
Bolton's aster	Gaillardia	Lily leek	Ribbon grass	Toadflax

Bugbane	Garden sage	Lily-of-the-valley	Rock-cress	Turtlehead
Buttercup	Garlic chives	Lungwort	Rose champion	Tussock bellflower
Butterfly weed	Gas plant	Lupine	Rosemary	Wild indigo
Calamint	Gerbera daisy	Mayapple	Sage	Windflower (An
Cardinal flower	Germander	Meadow sage	Scarlet sage	Winter savory
Catmint	Globe thistle	Mint	Scilla	Wintergreen
Christmas fern	Gloriosa lily	Monkshood	Sensitive fern	Wormwood
Cinnamon fern	Glory lily	Montauk daisy	Shasta daisy	Yarrow
Cinquefoil	Goatsbeard	Montbretia	Siberian Iris	Yucca
Clematis	Golden ragwort			

### Shrubs/Trees

Allegheny serviceberry	Cotoneaster	Gardenia	Leatherleaf mahonia	Rose of Sharon
American bittersweet	Cranberry	Ginkgo	Leucothoe	Rotunda
American Holly	Crape myrtle	Goldenbells	Leyland cypress	Russian olive
Andromeda	Creeping wintergreen	Gordonia	Lydia Morris hollies	San Jose holly
Austrian pine	Dawn redwood	Heather	Mountain laurel	Scotch pine
Bald cypress	Deodar cedar	Heavenly bamboo	Mugo pine	Scots pine
Banana shrub	Deutzia	Heritage birch	Northern bayberry	Shadbush
Barberry	Douglas fir	Honey locust	Norway spruce	Shallon
Beautybush	Downy serviceberry	Honeysuckle	Oleander	Spirea
Blueberry elder	Dragon lady holly	Inkberry	Paper birch	Spruce
Bottlebrush buckeye	Dwarf sweet Christmas box	Japanese Andromeda	Panicked dogwood	Staghorn sumac
Boxwood	Dwarf Yaupon	Japanese cedar	Paw paw	Sweet mock orange
Butterfly bush	Eastern white pine	Japanese flowering cherry	Pitch pine	Sweetgum
Caropteris	Eleagnus	Japanese holly	Plum yew	Sweetshrub
Cherry laurel	English hawthorn	Japanese Pieris	Red maple	Viburnum
Chinese holly	European beech	Japanese rose	Red osier dogwood	Weigela
Chinese junipers	European privet	Japanese wisteria	Red pine	White spruce
Chinese paper birch	European white birch	John T. Morris holly	Redvein enkianthus	Winter daphne
Colorado blue spruce	False cypress	Kousa dogwood	River birch	
Common buckthorn	Fir			
Common lilac	Firethorn			
Common sassafras	Flowering quince			
Corkscrew willow	Forsythia (border)			

### **DEER-PREFERRED PLANTS**

#### **Annuals and Biennials**

Dahlia	English daisy	Fibrous begonia	Geranium	Hollyhocks
Impatiens	Pansy	Sunflower (Mexican)	Violas	

#### **Perennials/Bulbs**

Bishop's weed	Garden phlox	Lilies	Solomon's seal
Black-eyed Susan	Golden sunflower	Perennial sunflower	Spring-flowering crocus
Buttercup	Grape hyacinth	Periwinkle	Stock
Candytuft	Hibiscus	Rose	Trillium

Cardinal flower	Hosta (Plaintain lily)	Rose mallow	Tulip
Crocus	Hollyhock	Sedum "Autumn Joy"	Wallflower
Daisy	Japanese painted fern	Shasta daisy	Yucca (Adam's needle)
Daylily	Jerusalem artichoke		
English ivy			

### Shrubs/Trees

American arborvitae	Common winterberry	Evergreen azalea	Indian hawthorn	Pinxterbloom azalea
American holly	Cornelian cherry	Evergreen holly	Japanese maple	Plum
Apple/crabapple	Dogwood	Evergreen	Japanese yew	Quince
Arborvitae	Cornelian dogwood	rhododendron	Juniper	Redbud
Atlantic white cedar	Crabapple	Florida azalea	Leyland cypress	Rhododendron
Atlas Cedar	Deciduous azalea	Frazer fir	Manchurian lilac	Rose
Aucuba	Eastern red cedar	Fringe tree	Merserve holly	Saucer magnolia
Balsam fir	Eastern redbud	Goldenrain tree	Mountain laurel	Western yew
Blackberry & Raspberry	English yew	Hemlock	Nellie Stevens holly	White pine
Catawba Rhododendron	English/Japanese	Highbush blueberry	Norway maple	Winged euonymus
Cherries	hybrid yew	Hybrid rose	Pear	Wintercreeper
Chinese holly	Euonymus	Hybrid tea rose	Pink shell azalea	Yew
Clematis (vine)	European mountain ash	Hydrangea		

The following information, from the Fund for Animals, gives suggestions on commercial repellents , scare devices and fencing alternatives. For more comprehensive information on any of these, check out the Fund for Animals [www.fund.org](http://www.fund.org) or the Humane Society of the United States at [www.hsus.org](http://www.hsus.org).

### Repellents

Deer Off	Havahart <a href="http://www.havart.com">www.havart.com</a> 800-800-1819	Sells Deer Off and other repellent alternatives
Liquid Fence	<a href="http://www.liquidfence.com">www.liquidfence.com</a> 800-923-3623	Sells a variety of animal repellents and garden supplies
Plantskydd	Tree World <a href="http://www.plantskydd.com">www.plantskydd.com</a> 800-252-6051	Scored highly in studies
Miller's Hot Sauce	Miller Chemical <a href="http://www.millerchemical.com">www.millerchemical.com</a> 800-233-2040	Company will consult with you to make sure product fits your problem specifics
Deer Stopper	Landscape Plus <a href="http://www.messinawildlife.com">www.messinawildlife.com</a> 908-832-0711	Relatively new formulation containing herbal oils
DeerBusters Deer, Insect and Rabbit Repellent	DeerBusters <a href="http://www.deerbusters.com">www.deerbusters.com</a> 888-422-3337	Sells deer repellents, fences and scare devices
Hinder Deer and Rabbit Repellent	Matson, LLC, 425-888-6212 e-mail at <a href="mailto:info@excelmktg.com">info@excelmktg.com</a>	One of the few products registered for use on edible plants

### Scare Devices

**Scarecrow Motion Activated Sprinkler:** This is a motion sensor combined with a sprinkler that attaches to a spray hose. This device appears to be more effective than other devices that rely on sights or sounds alone, because it combines a physical sensation with a startling stimulus. It sells for approximately \$99; info can be obtained from Weitech company at 800-343-2659 or [www.scatmat.com](http://www.scatmat.com).

**Havahart #5250 “Electronic Deer Repellent:** This highly portable “repellent” consists of 3 stake-like devices, cotton and a scent lure and is aesthetically colored to blend into the environment. The deer are attracted to the lure and receive a mild electric shock when they reach it. This 3-post device covers 1200 square feet of garden, according to the company. The cost is \$99. Look for this product in the “Electrical Repellents” section under “Deer” on the Havahart website, [www.havahart.com](http://www.havahart.com) or by calling 800-800-1819.

### Fencing Options

Deer-Resistant Landscape Nursery	<a href="http://www.deerxlandscape.com">www.deerxlandscape.com</a> 800-595-3650	Sells deer resistant plants, deer repellents and fencing
Deer Busters	<a href="http://www.deerbusters.com">www.deerbusters.com</a> 888-422-3337	Sells fencing, repellents and scare devices
Premier Fence Co.	<a href="http://www.premier1supplies.com">www.premier1supplies.com</a> 800-282-6631	Sells a broad variety of fencing options
Kiwi Fence Systems	<a href="http://www.kiwifence.com">www.kiwifence.com</a> 724-459-6952,800-536-2683	Sells a variety of fencing options
Benner’s Garden, Inc.	<a href="http://www.bennersgardens.com">www.bennersgardens.com</a> 800-244-3337	They sell a black, polypropylene fencing; located in New Hope
Kencove Farm Fence, Inc.	<a href="http://www.kencove.com">www.kencove.com</a> 800-536-2683	Sells plastic deer net
West Virginia Fence Co.	<a href="http://www.maxflex.com">www.maxflex.com</a> 800-356-5458	Sells electric fence and high tensile woven-wire fences