

NATIVE PLANTS THROUGH THE SEASONS

Barbara Ryan
Chain Bridge Native Landscapes

Tree Fredericksburg
Plant & Play Day
September 23, 2023

Spring



Summer



Winter



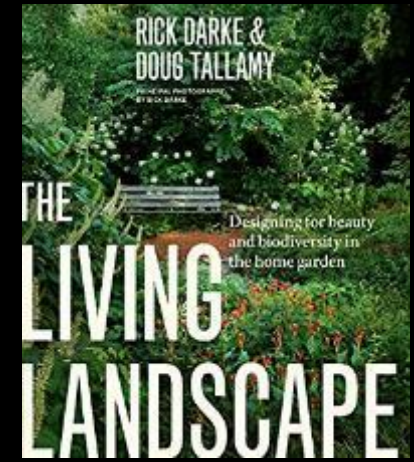
Fall



What is a native plant?

“native: a plant or animal that has evolved in a given place over a period of time sufficient to develop complex and essential relationships with the physical environment and other organisms in a given ecological community.”

-- Rick Darke & Doug Tallamy, “The Living Landscape”



Why plant native plants?



1. Native Plants Support Life

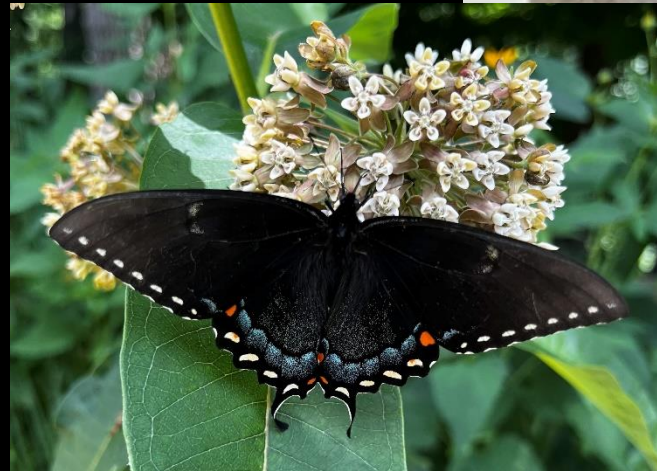


Monarda fistulosa
Wild Bergamot

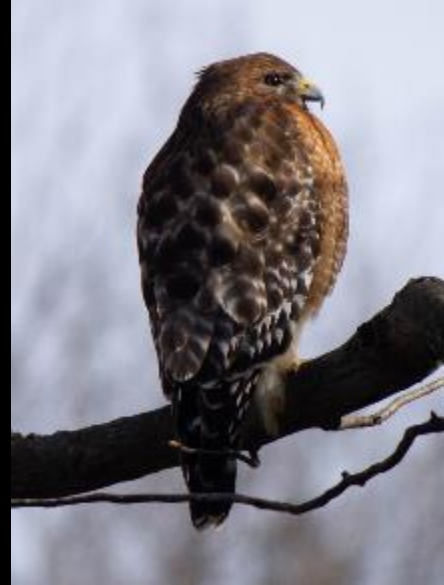
2. Native Plants Support a Diverse Ecosystem



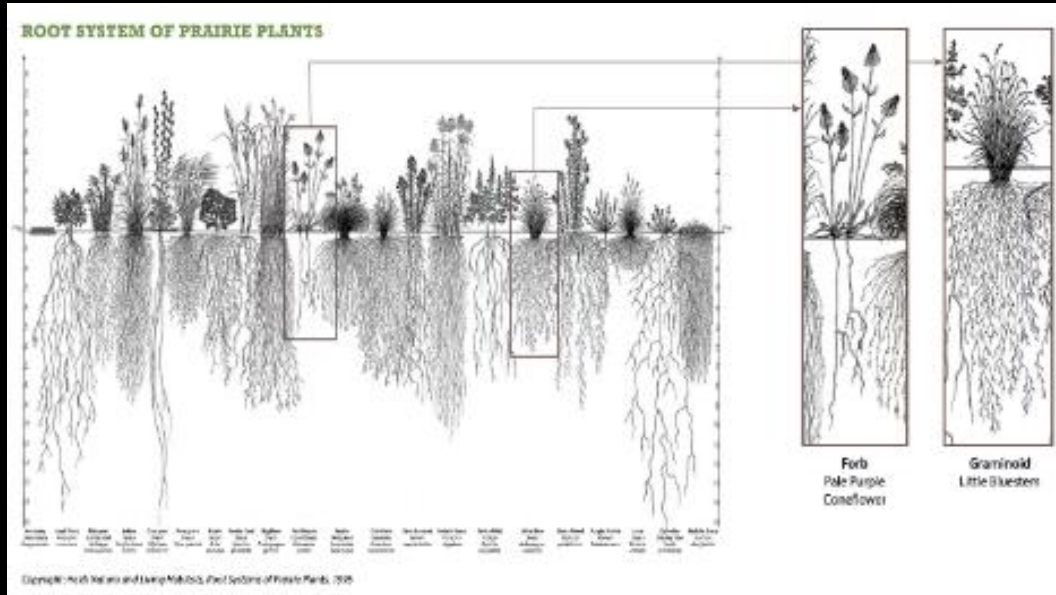
3. Native Plants Feed the Caterpillars



4. Native Plants Support Wildlife



5. Native Plants Soak Up Runoff



6. Native Plants are Climate Resilient

Number of days at or above 95F

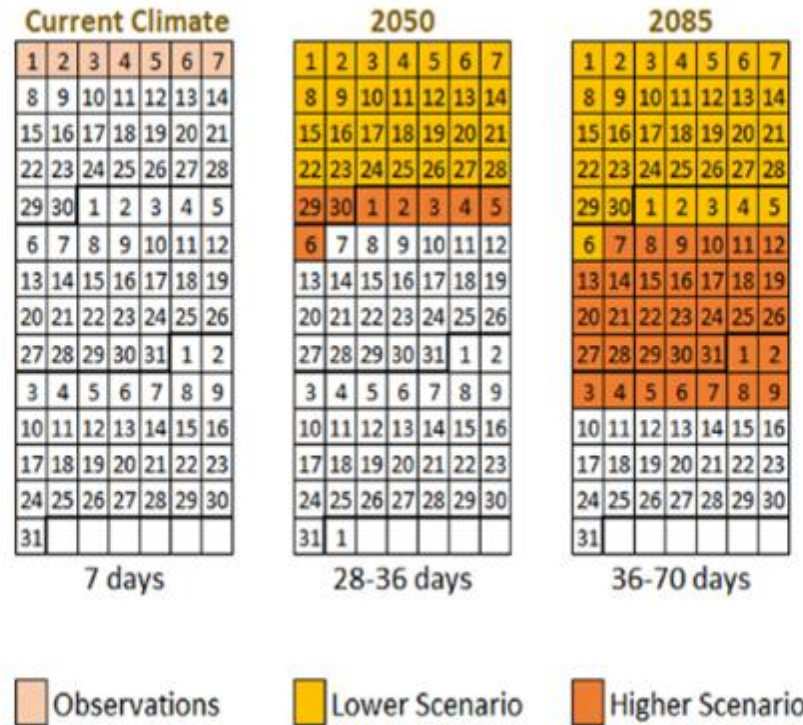


Figure 9. Number of days at or above 95°F under current climate conditions (averaged over 30-year period), 2050 and 2085. Future conditions projected under the lower scenario (RCP4.5) and higher scenario (RCP8.5).

7. Native Plants do not Require Fertilizers or Pesticides



8. Native Plants Help Us Connect to Nature



9. Native Plants Sustain Us

Celebrating Wildflowers

Ethnobotany . . . plants sustaining people

Plants give us food, drink, shelter, medicine, fiber, dyes, waxes, essential oils, perfumes and the air we breathe. Countless people before us tested and kept plants that were useful. Our cultures evolved by passing ever more sophisticated knowledge of plants along from generation to generation. Even in this age we depend on plants and their pollinators for our existence and survival.



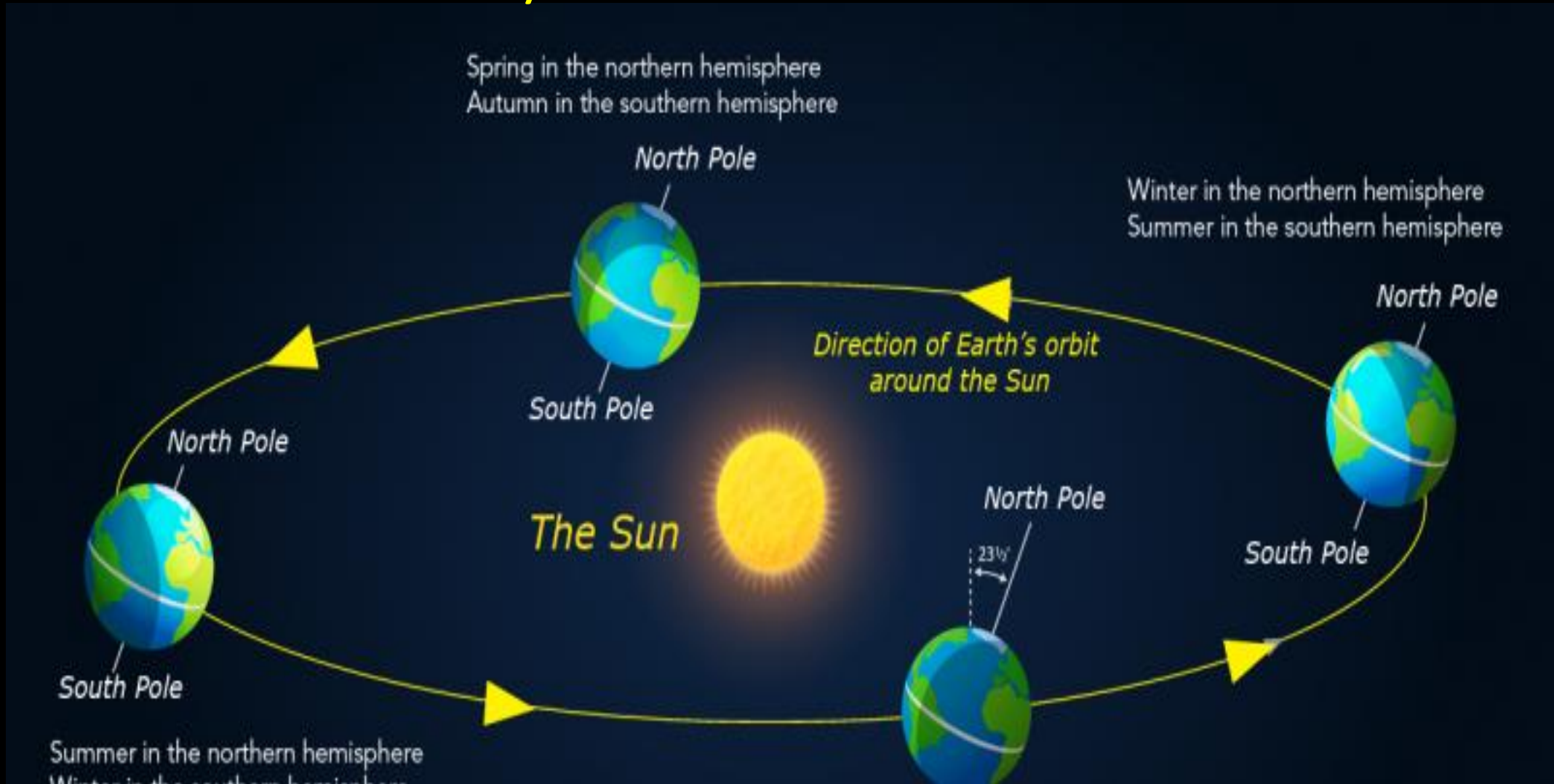
Traditional Landscape



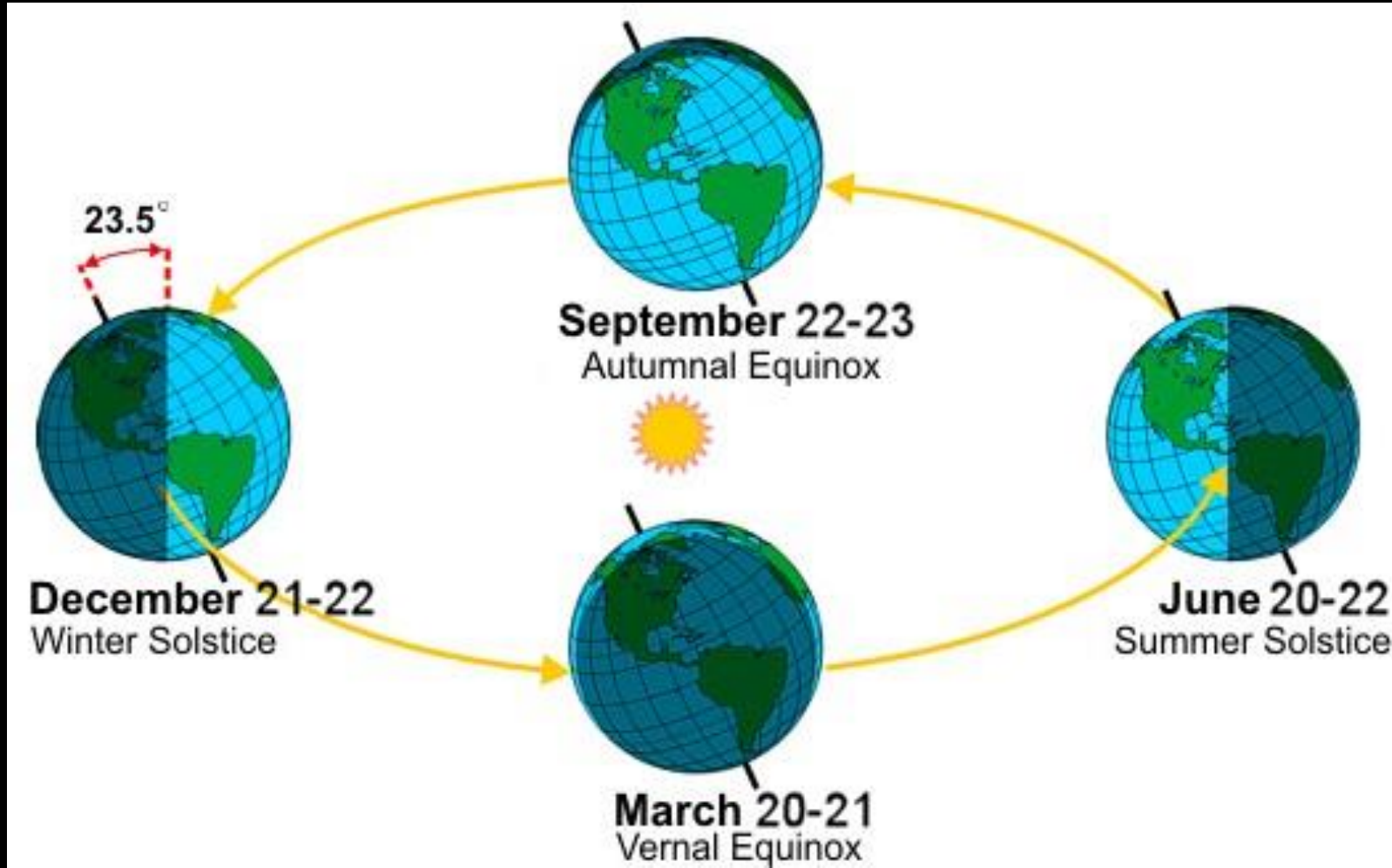
Nature's Seasons



Why We Have Seasons



Nature's Pivot Points



<https://www.weather.gov/cle/Seasons>

Spring Equinox: March 20-21



Native Spring Ephemerals



Sanguinaria canadensis
Bloodroot



Trillium sessile
Toadshade



Podophyllum peltatum
Mayapple

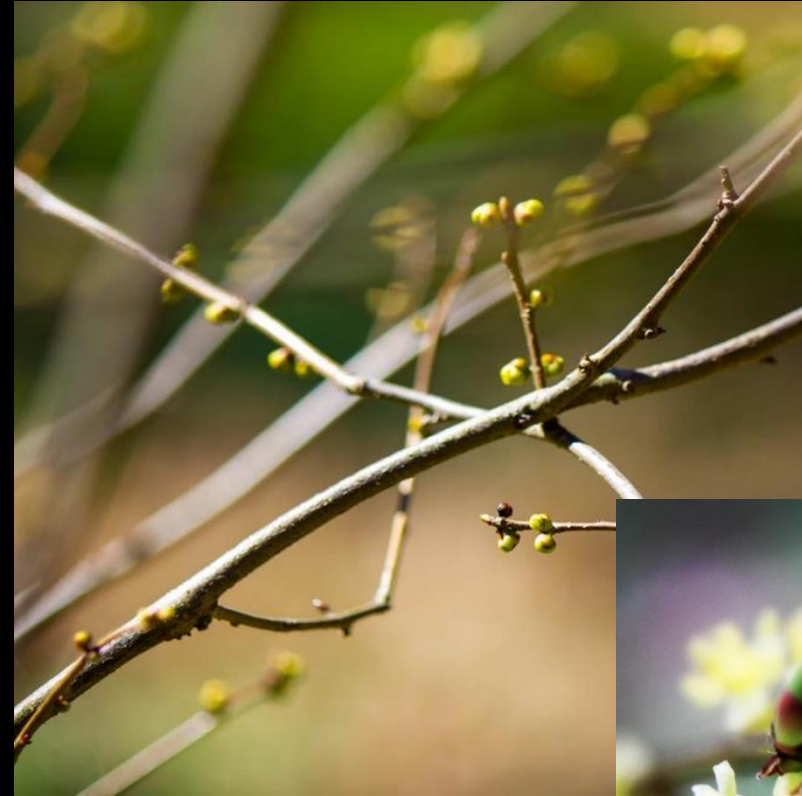


Erythronium americanum
Yellow Trout Lily

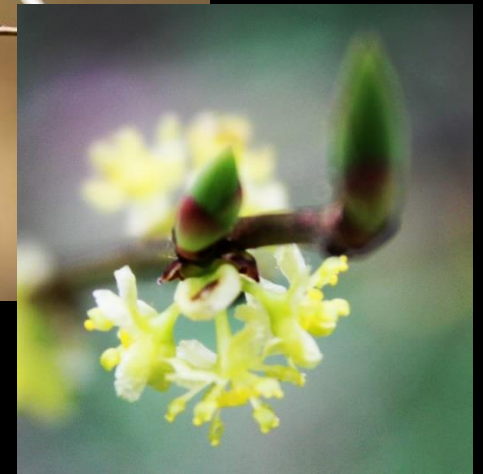
More Early Bloomers of the Spring Equinox



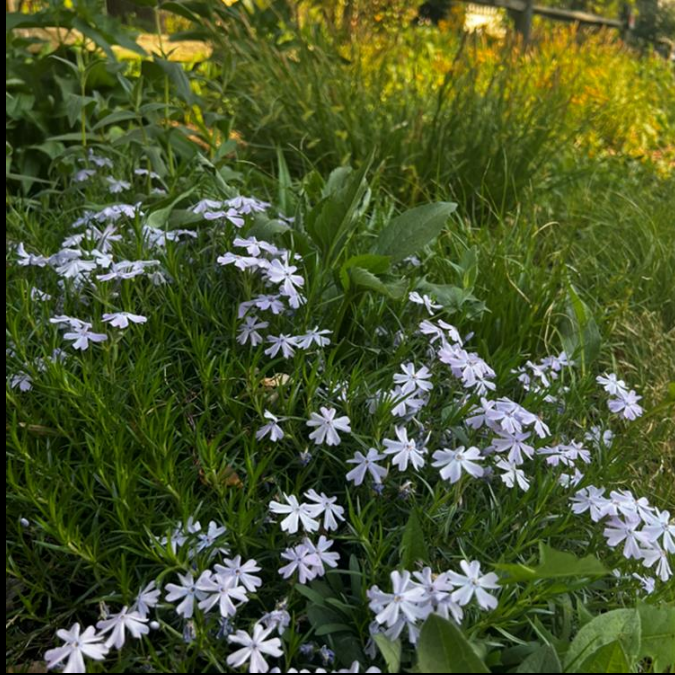
Mertensia virginica
Virginia Bluebell



Lindera benzoin
Spicebush



April Bloomers



Phlox subulata
Moss Phlox



Packera aurea
Golden Groundsel



Viola sororia
Violet

May Bloomers



Monarda bradburiana
Eastern Beebalm



Amsonia tabernaemontana
Blue-star Amsonia



Sisyrinchium augustifolium
Blue Eyed Grass

More May Bloomers



Iris cristata
Dwarf Crested Iris



Anemonastrum canadense
Canada Anemone



Zizia aurea
Golden Alexander

June Bloomers



Asclepias tuberosa
Butterfly Weed



Coreopsis verticillata
Threadleaf Tickseed



Aquilegia canadensis
Columbine

Spring's Native Shrubs



Viburnum dentatum
Arrowwood Viburnum



Rhododendron periclymedoides
Pinxterbloom Azalea



Calycanthus floridus
Sweetshrub



Rosa virginiana
Virginia Rose

Spring's Native Trees



Cercis canadensis
Eastern Redbud



Amelanchier spp.
Serviceberry

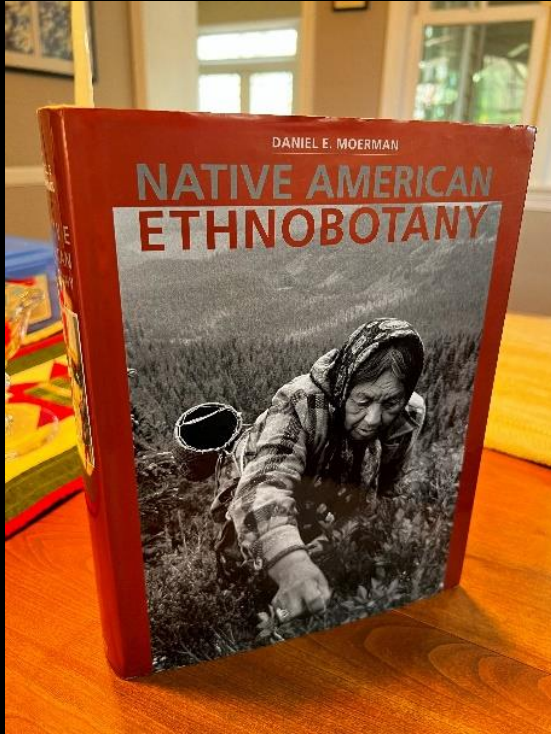


Cornus florida
Flowering Dogwood



Chionanthus virginicus
Fringetree

Spring's Native Edibles



*Harvest Violet Leaves
And Flowers for Tea*



Harvest Rose Petals for Tea

Summer Solstice: June 20-22

Summer Solstice Bloomer



Hypericum prolificum
Shrubby St. John's Wort



June, July Bloomers



Echinacea purpurea
Purple Coneflower



Monarda fistulosa
Wild Bergamot

June, July Bloomers



Pycnanthemum muticum
Mountain Mint



Monarda punctata
Spotted Bee Balm

June, July Bloomers



Asclepias incarnata
Swamp Milkweed



Agastache foeniculum
Anise Hyssop

August Blooms



Rudbeckia fulgida
Black Eyed Susan



Eutrochium dubium
Baby Joe Pye Weed

August Bloomers



Lobelia cardinalis
Cardinal Flower



Conoclinium coelestinum
Blue Mist Flower

August Bloomers



Eurybia divaricata
White Wood Aster



Symphotrichum cordifolium
Blue Wood Aster

Summer's Native Shrubs



Itea virginica
Virginia Sweetspire



Hydrangea quercifolia
Oak Leaf Hydrangea



Clethra alnifolia
Summersweet

Sambuca canadensis
Elderberry



Summer's Native Elibles

Drying edible leaves and flowers



Foraging Blackberries



Harvesting Elderflowers



Native dried teas

Fall Equinox: September 22-23



Summer Blooms Fade



Aesclepias tuberosa
Butterfly Weed



Echinacea purpurea
Purple Coneflower



Coreopsis verticillata
Threadleaf Tickseed

Blooms of the Fall Equinox



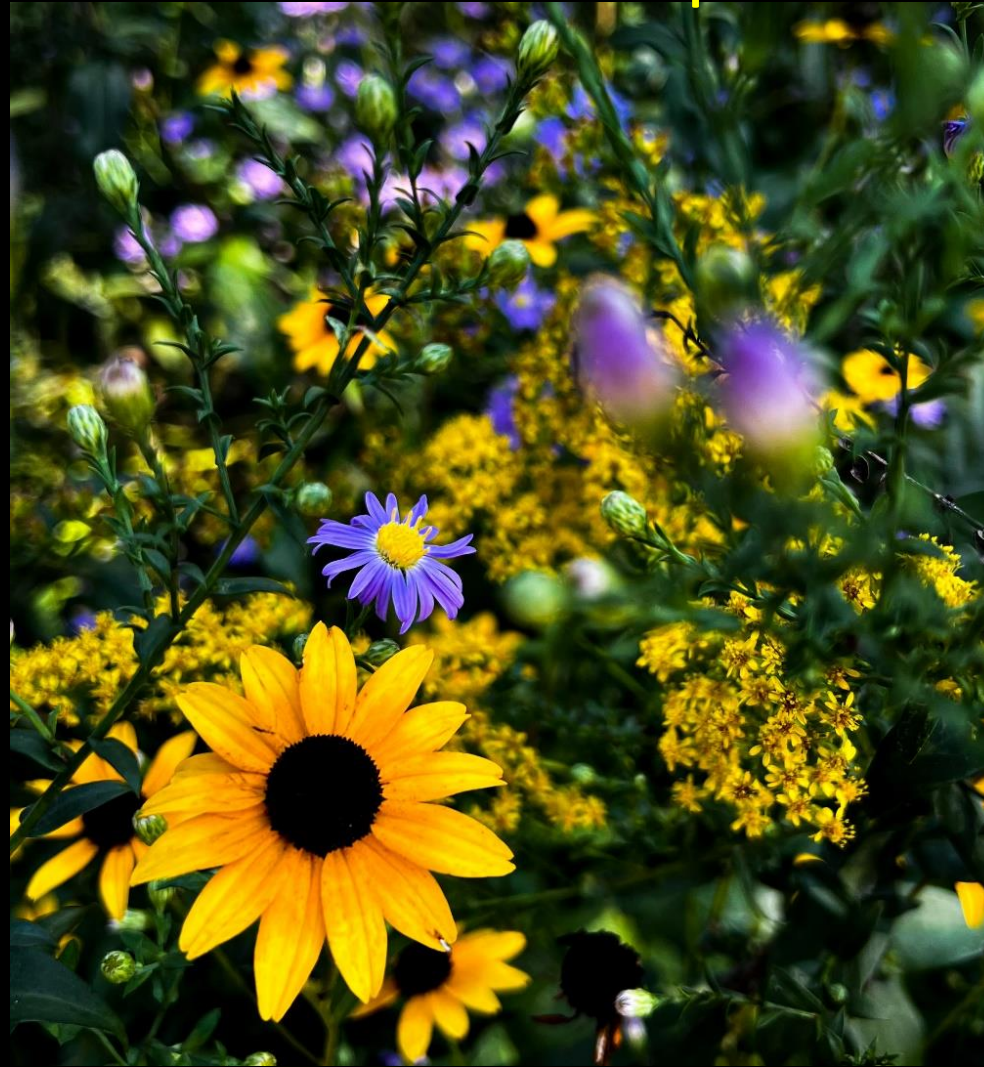
Aster novi-belgii
New York Aster



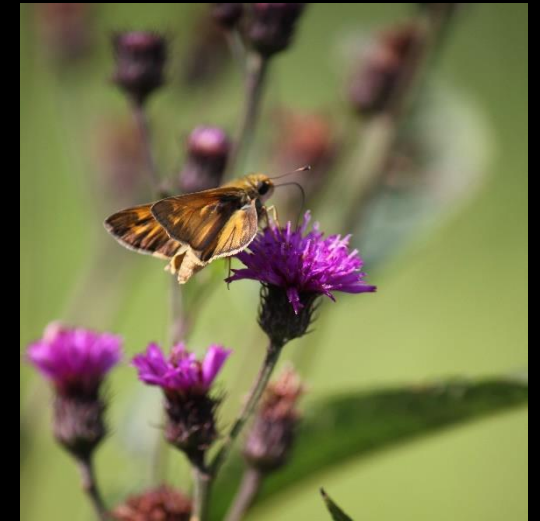
Aster novae-angliae
New England Aster



Solidago spp.
Goldenrod



Rudbeckia fulgida, *Aster novi-belgii*, *Solidago spp.*
Black Eyed Susan, New York Aster, Goldenrod



Vernonia noveboracensis
New York Ironweed

Fall Grasses



Schizachyrium scoparium
Little Bluestem



Muhlenbergia capillaris
Pink Muhly Grass

Panicum virgatum
Switchgrass



Chasmanthium latifolium
Northern River Oats

Fall Berries



Callicarpa americana
American Beautyberry



Sambucus canadensis
Elderberry



Ilex verticillata
Winterberry



Viburnum nudum
Smooth Witherod

Fall Foliage



Fagus grandifolia
American Beech



Callicarpa americana, *Hydrangea quercifolia*, *Clethra alnifolia*
American Beautyberry, Oak Leaf Hydrangea, Summerweet



Viburnum dentatum
Arrowwood Viburnum



Carpinus caroliniana
American Hornbeam



Amsonia hubrichtii
Hubricht's bluestar

Fall Elibles



Elderberry Syrup



Native Tea Blend



Wellness Native Tea Blend



Elderberries

Winter Solstice: December 21-22



Winter's Natives



Polystichum acrostichoides
Christmas Fern



Michella repens
Partridgeberry



Chimaphila maculatum
Spotted Wintergreen



Tipularia discolor
Cranefly Orchid

Winter's Native Woodies



Kalmia latifolia
Mountain Laurel



Ilex opaca
American Holly



Juniperus virginiana
Juniper

Winter's Blooms



Hamamelis virginiana
Witch Hazel

The Beauty of Winter



Rudbeckia fulgida
Black Eyed Susan



Hydrangea quercifolia
Oak Leaf Hydrangea

Revel in Winter



...and then the cycle begins again...

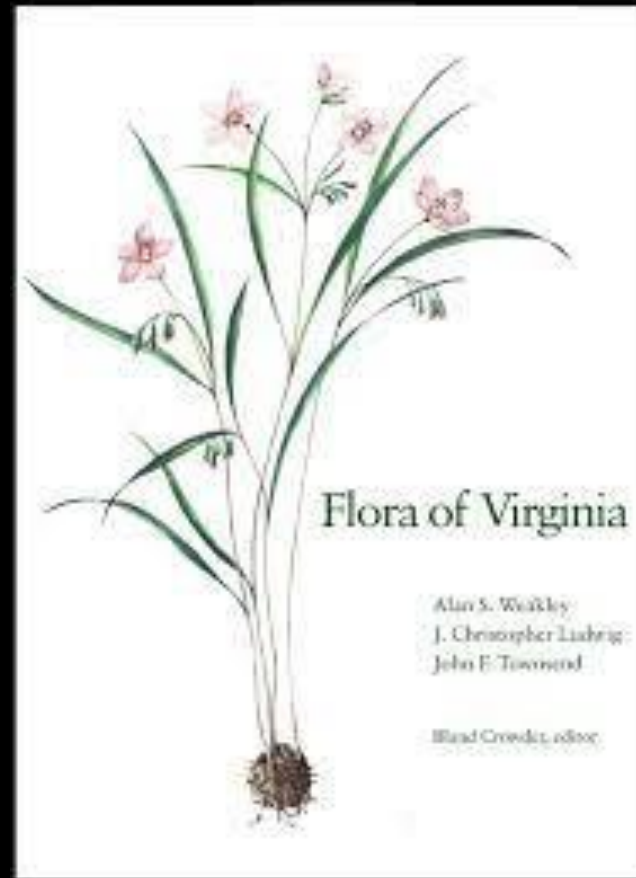


Trillium sessile
Toadshade

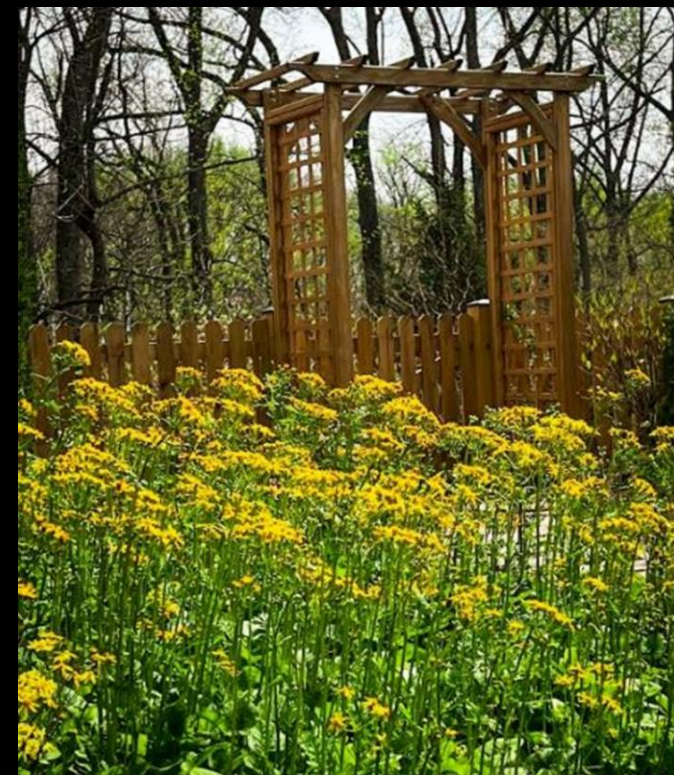
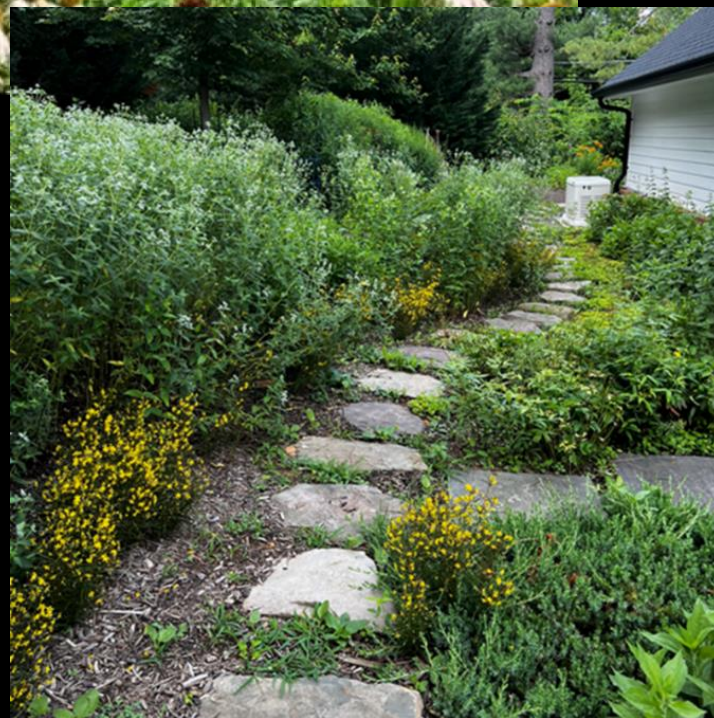
How to Get Started: Reduce the Lawn



How to Get Started: Select Your Plants



How to Get Started: Plant a Native Garden



Thank You! Questions?

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