





# **Native Plant Picture Book**









# **Grasses**

## Beach Grass (Ammophila breviligulata)

Height: 1-4' Color: Green

Bloom Time: Jul-Sept Soil Moisture: Mesic to Dry

Soil Type: Sand

Wetland Indicator: UPL

Sun Exposure: Full Sun to Part Sun

Attracts: Beetles, Moths, Piping Plover, Gulls

## Big Bluestem (Andropogon gerardii)

Height: 4-7' Color: Green

Bloom Time: Aug-Sept

Soil Moisture: Wet-Mesic to Dry Soil Type: Sand, Loam, Clay Wetland Indicator: FAC

Sun Exposure: Full Sun to Part Sun Attracts: Skippers, Grasshoppers

## **Bottlebrush Grass (Hystrix patula)**

Height: 3-4' Color: Green

Bloom Time: Jul-Aug

Soil Moisture: Mesic to Dry-Mesic Soil Type: Clay, Loam, Peat, Sand

Wetland Indicator: UPL

Sun Exposure: Part Sun to Full Shade

Attracts: Butterflies, Moths, Small Mammals

## Canada Wild Rye (Elymus canadensis)

Height: 3-5' Color: Green

Bloom Time: June-Oct

Soil Moisture: Wet-Mesic to Dry Soil Type: Clay, Loam, Peat, Sand

Wetland Indicator: FAC

Sun Exposure: Full Sun to Part Sun Attracts: Beetles, Small Mammals









#### **Indian Grass (Sorghastrum nutans)**

Height: 4-6' Color: Green

Bloom Time: Aug-Sept Soil Moisture: Mesic to Dry Soil Type: Clay, Loam, Peat, Sand

Wetland Indicator: FACU

Sun Exposure: Full Sun to Part Sun Attracts: Grasshoppers, Birds



Height: 1-2' Color: Green

Bloom Time: Jun-Sept

Soil Moisture: Dry-Mesic to Dry Soil Type: Clay, Loam, Peat, Sand

Wetland Indicator: UPL

Sun Exposure: Full Sun to Part Sun Attracts: Grasshoppers, Mammals

## Little Bluestem (Schizachyrium scoparium)

Height: 2-3' Color: Green

Bloom Time: Jun-Aug Soil Moisture: Mesic to Dry Soil Type: Clay, Loam, Sand Wetland Indicator: FACU

Sun Exposure: Full Sun to Part Sun Attracts: Skippers, Grasshoppers, Birds

# Prairie Cordgrass (Spartina pectinata)

Height: 4-8' Color: Green

Bloom Time: Aug-Sept Soil Moisture: Wet to Mesic Soil Type: Clay, Loam, Peat, Sand

Wetland Indicator: FACW

Sun Exposure: Full Sun to Part Sun Attracts: Moths, Leafhoppers

# **Prairie Dropseed (Sporobolus heterolepis)**

Height: 2-3' Color: Green

Bloom Time: Jul-Aug Soil Moisture: Mesic to Dry Soil Type: Clay, Loam, Sand

Wetland Indicator: FACU

Sun Exposure: Full Sun to Part Sun

Attracts: Grasshoppers, Leafhoppers, Birds











## Purple Top (Triodia flava)

Height: 3-5'

Color: Reddish Purple Bloom Time: Jul-Sept

Soil Moisture: Wet to Dry-Mesic Soil Type: Loam, Clay-Loam Wetland Indicator: UPL

Sun Exposure: Part Sun to Full Sun Attracts: Skippers, Butterflies



Height: 1-3' Color: Green

Bloom Time: Jul-Aug Soil Moisture: Mesic to Dry Soil Type: Clay, Loam, Sand Wetland Indicator: UPL

Sun Exposure: Full Sun to Part Sun Attracts: Grasshoppers, Birds, Mammals

# Sweetgrass (Hierochloe odorata)

Height: 1-1.5' Color: Green

Bloom Time: May-Jun Soil Moisture: Mesic to Dry Soil Type: Sand, Loam,Clay Wetland Indicator: FACU Sun Exposure: Full Sun Attracts: Grasshoppers, Birds

## **Switchgrass (Panicum virgatum)**

Height: 4-6' Color: Green

Bloom Time: May-Sept

Soil Moisture: Wet-Mesic to Dry Soil Type: Clay, Loam, Peat, Sand

Wetland Indicator: FAC

Sun Exposure: Full Sun to Part Sun

Attracts: Skippers, Beetles, Leafhoppers, Birds

# Wildflowers

#### **Bergamot** (Monarda fistulosa)

Height: 2-4' Color: Lavender

Bloom Time: Jun-Aug

Soil Moisture: Wet-Mesic to Dry

Soil Type: Loam, Peat Wetland Indicator: FACU

Sun Exposure: Full Sun to Part Sun

Attracts: Bees, Butterflies, Skippers, Hummingbird Moths











#### Black-Eyed Susan (Rudbeckia hirta)

Height: 1-3' Color: Yellow

Bloom Time: Jun-Sept

Soil Moisture: Wet-Mesic to Dry Soil Type: Clay, Loam, Peat, Sand

Wetland Indicator: FACU

Sun Exposure: Full Sun to Part Sun

Attracts: Bees, Flies, Wasps, Butterflies, Beetles



Height: 3-5' Color: Blue

Bloom Time: Jul-Sept

Soil Moisture: Wet to Mesic Soil Type: Loam, Peat, Sand Wetland Indicator: FACW

Sun Exposure: Full Sun to Part Sun

Attracts: Bees, Honeybees, Bumblebees, Wasps

# **Boneset (Eupatorium perfoliatum)**

Height: 2-5' Color: White

Bloom Time: Jul-Sept

Soil Moisture: Wet to Wet-Mesic Soil Type: Loam, Peat, Sand Wetland Indicator: FACW Sun Exposure: Full Sun

Attracts: Bees, Flies, Wasps, Butterflies, Beetles

## **Butterfly Weed (Asclepias tuberosa)**

Height: 2-3' Color: Orange

Bloom Time: June-Sept Soil Moisture: Mesic to Dry Soil Type: Loam, Sand Wetland Indicator: UPL

Sun Exposure: Full Sun to Part Sun

Attracts: Honeybees, Bees, Wasps, Butterflies

#### Cardinal Flower (Lobelia cardinalis)

Height: 3-5' Color: Red

Bloom Time: Jul-Sept

Soil Moisture: Wet to Wet-Mesic Soil Type: Loam, Peat, Sand Wetland Indicator: OBL

Sun Exposure: Full Sun to Part Sun

Attracts: Humming Birds, Butterflies, Bumblebees











#### Compass Plant (Silphium laciniatum)

Height: 4-9' Color: Yellow

Bloom Time: Jun-Sept

Soil Moisture: Wet-Mesic to Dry Soil Type: Clay, Loam, Peat, Sand

Wetland Indicator: UPL

Sun Exposure: Full Sun to Part Sun Attracts: Bees, Bumblebees, Butterflies

### Culver's Root (Veronicastrum virginicum)

Height: 3-5' Color: White

Bloom Time: Jul-Aug

Soil Moisture: Wet-Mesic to Dry-Mesic

Soil Type: Clay, Loam Wetland Indicator: FAC

Sun Exposure: Full Sun to Part Sun

Attracts: Bees, Honeybees, Bumblebees, Wasps, Flies

Moths, Butterflies

#### Cup Plant (Silphium perfoliatum)

Height: 4-9' Color: Yellow

Bloom Time: Jul-Sept

Soil Moisture: Wet-Mesic to Mesic Soil Type: Clay, Loam, Peat, Sand

Wetland Indicator: FACW

Sun Exposure: Full Sun to Part Sun Attracts: Bees, Butterflies, Skippers

#### False Boneset (Khunia eupatorioides)

Height: 1-3' Color: White

Bloom Time: Jun-Jul

Soil Moisture: Dry-Mesic to Dry

Soil Type: Loam, Sand Wetland Indicator: UPL

Sun Exposure: Full Sun to Part Sun

Attracts: Bees, Butterflies, Skippers, Grasshoppers

# False Dragonhead (Physostegia virginiana)

Height: 3-4' Color: Pink

Bloom Time: Jun-Sept Soil Moisture: Mesic to Wet

Soil Type: Loam

Wetland Indicator: FACW

Sun Exposure: Full Sun to Part Sun Attracts: Bumblebees, Hummingbirds











## Foxglove Beard Tongue (Penstemon digitalis)

Height: 3-4' Color: White

Bloom Time: May-Jun Soil Moisture: Mesic to Dry Soil Type: Clay, Loam Wetland Indicator: FAC

Sun Exposure: Full Sun to Part Sun

Attracts: Bees, Honeybees, Bumblebees, Hummingbirds,

**Butterflies** 



Height: 2-4' Color: Yellow

Bloom Time: May-Jul

Soil Moisture: Wet-Mesic to Dry-Mesic

Soil Type: Clay, Loam, Peat Wetland Indicator: FAC

Sun Exposure: Full Sun to Part Sun Attracts: Bees, Wasps, Flies, Beetles



Height: 3-5' Color: Yellow

Bloom Time: Jun-Aug
Soil Moisture: Mesic to Dry
Soil Type: Loam, Peat, Sand
Wetland Indicator: FACW

Sun Exposure: Full Sun to Part Sun

Attracts: Bees, Wasps, Flies, Small Butterflies, Beetles

#### Great Blue Lobelia (Lobelia siphilitica)

Height: 1-2' Color: Blue

Bloom Time: Jul-Sept

Soil Moisture: Wet to Mesic Soil Type: Loam, Peat, Sand Wetland Indicator: FACW

Sun Exposure: Full Sun to Part Sun

Attracts: Bumblebee, Hummingbirds, Butterflies

# **Hairy Beardtongue (Penstemon hirsutus)**

Height: 1-3' Color: Purple

Bloom Time: May-Jun Soil Moisture: Mesic to Dry

Soil Type: Clay, Loam Wetland Indicator: FAC

Sun Exposure: Full Sun to Part Sun

Attracts: Butterflies, Bees











#### Hoary Vervain (Verbena stricta)

Height: 1-3' Color: Blue

Bloom Time: Jul-Sept

Soil Moisture: Dry-Mesic to Dry

Soil Type: Loam, Sand Wetland Indicator: UPL

Sun Exposure: Full Sun to Part Sun

Attracts: Bumblebees, Honeybees, Wasps, Grasshoppers

### **Horsemint (Monarda punctata)**

Height: 1-2' Color: Lavender Bloom Time: Jul-Sept

Soil Moisture: Dry-Mesic to Dry Soil Type: Clay, Loam, Sand Wetland Indicator: UPL

Sun Exposure: Full Sun to Part Sun

Attracts: Honeybees, Bumblebees, Butterflies, Beetles

# Ironweed (Vernonia missurica)

Height: 3-5' Color: Purple

Bloom Time: Jul-Oct

Soil Moisture: Dry-Mesic to Wet-Mesic

Soil Type: Clay-Loam Wetland Indicator: FAC Sun Exposure: Full Sun

Attracts: Bees, Butterflies, Skippers

# Jacob's Ladder (Polemonium reptans)

Height: 1-2' Color: Blue

Bloom Time: Apr-Jun

Soil Moisture: Wet-Mesic to Dry-Mesic

Soil Type: Loam, Peat, Sand Wetland Indicator: FAC

Sun Exposure: Full Sun to Part Sun

Attracts: Bees, Butterflies, Skippers, Moths

# Joe-Pye Weed (Eupatorium maculatum)

Height: 4-6' Color: Pink

Bloom Time: Jul-Sept

Soil Moisture: Wet to Wet-Mesic

Soil Type: Loam, Sand Wetland Indicator: OBL

Sun Exposure: Full Sun to Part Sun

Attracts: Honeybees, Bumblebees, Skippers, Butterflies,

Moths











#### Lead Plant (Amorpha canescens)

Height: 1-3' Color: Purple

Bloom Time: Jun-Aug Soil Moisture: Mesic to Dry Soil Type: Loam, Sand Wetland Indicator: UPL

Sun Exposure: Full Sun to Part Sun

Attracts: Bees, Wasps, Grasshoppers, Beetles



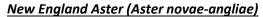
Height: 3-4' Color: Purple

Bloom Time: Jul-Sept

Soil Moisture: Wet to Mesic Soil Type: Loam, Peat, Sand Wetland Indicator: FAC

Sun Exposure: Full Sun to Part Sun

Attracts: Bumblebees, Butterflies, Skippers, Small Mammals



Height: 3-6' Color: Purple

Bloom Time: Sept-Oct

Soil Moisture: Wet to Dry-Mesic Soil Type: Clay, Loam, Peat, Sand

Wetland Indicator: FACW

Sun Exposure: Full Sun to Part Sun Attracts: Bees, Butterflies, Skippers

# New Jersey Tea (Ceanothus americanus)

Height: 1-3' Color: White

Bloom Time: Jul-Aug Soil Moisture: Mesic to Dry Soil Type: Loam, Peat, Sand Wetland Indicator: UPL

Sun Exposure: Full Sun to Part Sun Attracts: Bees, Wasps, Flies, Beetles

# Nodding Wild Onion (Allium cernuum)

Height: 1-2' Color: Pink

Bloom Time: Jul-Aug

Soil Moisture: Wet-Mesic to Dry-Mesic

Soil Type: Clay, Loam, Sand Wetland Indicator: FAC

Sun Exposure: Full Sun to Part Sun

Attracts: Honeybees, Bumblebees, Bees, Flies, Beetles











## Northern Blazing Star (Liatris scariosa)

Height: 2-4' Color: Purple

Bloom Time: Aug-Sept Soil Moisture: Dry-Mesic

Soil Type: Sand

Wetland Indicator: FAC Sun Exposure: Full Sun

Attracts: Butterflies, Skippers, Mammals



Height: 3-5' Color: Purple

Bloom Time: Jun-Jul

Soil Moisture: Mesic to Dry Soil Type: Loam, Sand Wetland Indicator: UPL

Sun Exposure: Full Sun to Part Sun

Attracts: Bees, Butterflies, Skippers, Birds

# Prairie Coreopsis (Coreopsis palmata)

Height: 1-2' Color: Yellow

Bloom Time: Jun-Aug Soil Moisture: Mesic to Dry Soil Type: Loam, Sand Wetland Indicator: FACU

Sun Exposure: Full Sun to Part Sun

Attracts: Bees, Wasps, Butterflies, Moths, Skippers, Beetles,

Mammals

### **Prairie Dock (Silphium terebinthinaceum)**

Height: 4-9' Color: Yellow

Bloom Time: Jul-Sept

Soil Moisture: Wet-Mesic to Dry-Mesic Soil Type: Clay, Loam, Peat, Sand

Wetland Indicator: FACU

Sun Exposure: Full Sun to Part Sun

Attracts: Honeybees, Bumblebees, Hummingbirds, Beetles

#### Prairie Smoke (Geum triflorum)

Height: 0.5-1' Color: Pink

Bloom Time: Apr-Jun

Soil Moisture: Wet-Mesic to Dry Soil Type: Clay, Loam, Sand Wetland Indicator: FACU Sun Exposure: Full Sun

Attracts: Bumblebees, Beetles











## Purple Coneflower (Echinacea purpurea)

Height: 3-4' Color: Purple

Bloom Time: Jul-Aug

Soil Moisture: Wet-Mesic to Dry-Mesic

Soil Type: Clay, Loam, Sand Wetland Indicator: UPL

Sun Exposure: Full Sun to Part Sun

Attracts: Bees, Butterflies, Skippers, Songbirds

# Rattlesnake Master (Eryngium yuccifolium)

Height: 3-4' Color: White

Bloom Time: Jul-Aug

Soil Moisture: Wet-Mesic to Dry-Mesic

Soil Type: Loam

Wetland Indicator: FAC

Sun Exposure: Full Sun to Part Sun

Attracts: Bees, Wasps, Flies, Butterflies, Skippers, Moths,

Beetles, Plant Bugs

#### Rosin Weed (Silphium integrifolium)

Height: 4-6' Color: Yellow

Bloom Time: Jul-Sept

Soil Moisture: Wet-Mesic to Dry Soil Type: Clay, Loam, Peat, Sand

Wetland Indicator: UPL Sun Exposure: Full Sun

Attracts: Honeybees, Bumblebees, Bees, Wasps

#### Rough Blazing Star (Liatris aspera)

Height: 1-3' Color: Purple

Bloom Time: Aug-Oct Soil Moisture: Mesic-Dry Soil Type: Loam, Sand Wetland Indicator: UPL Sun Exposure: Full Sun

Attracts: Honeybees, Bumblebees, Bees, Butterflies,

Skippers, Small Mammals

#### Round Leaf Ragwort (Packera obovata)

Height: 1-1.5' Color: Yellow

Bloom Time: Apr-Jun Soil Moisture: Dry-Mesic Soil Type: Loam, Clay Wetland Indicator: FACU

Sun Exposure: Full Sun to Part Sun Attracts: Bees, Flies, Beetles











## Sand Tickseed (Coreopsis lanceolata)

Height: 1-3' Color: Yellow

Bloom Time: May-Jul

Soil Moisture: Dry-Mesic to Dry

Soil Type: Loam, Clay Wetland Indicator: UPL Sun Exposure: Full Sun

Attracts: Bees, Wasps, Flies, Butterflies, Skippers, Moths,

Beetles

#### Showy Coneflower (Rudbeckia fulgida)

Height: 2-4' Color: Yellow

Bloom Time: Jul-Aug

Soil Moisture: Wet-Mesic to Dry-Mesic Soil Type: Clay, Loam, Peat, Sand

Wetland Indicator: OBL

Sun Exposure: Full Sun to Part Sun

Attracts: Bees, Butterflies, Skippers, Flies, Beetles

#### Showy Goldenrod (Solidago speciose)

Height: 3-5' Color: Yellow

Bloom Time: Jul-Oct

Soil Moisture: Mesic to Dry Soil Type: Clay, Loam, Sand Wetland Indicator: UPL

Sun Exposure: Full Sun to Part Sun

Attracts: Honeybees, Bumblebees, Ants, Moths, Butterflies

# Sky Blue Aster (Aster azureus)

Height: 1-3' Color: Blue

Bloom Time: Aug-Oct Soil Moisture: Mesic to Dry Soil Type: Clay, Loam, Sand Wetland Indicator: UPL

Sun Exposure: Full Sun to Part Sun

Attracts: Bumblebees, Butterflies, Skippers, Beetles, Birds

#### Spiderwort (Tradescantia ohiensis)

Height: 2-4' Color: Blue

Bloom Time: May-Jul

Soil Moisture: Wet-Mesic to Dry

Soil Type: Loam, Sand Wetland Indicator: FACU

Sun Exposure: Full Sun to Part Sun

Attracts: Bumblebees, Flies, Small Mammals











#### Stiff Goldenrod (Solidago rigida)

Height: 3-5' Color: Yellow

Bloom Time: Jul-Sept

Soil Moisture: Wet-Mesic to Dry

Soil Type: Loam, Sand Wetland Indicator: FACU Sun Exposure: Full Sun

Attracts: Bees, Wasps, Flies, Butterflies, Beetle

### Swamp Milkweed (Asclepias incarnata)

Height: 3-5' Color: Red

Bloom Time: Jun-Aug

Soil Moisture: Wet to Mesic

Soil Type: Loam, Peat Wetland Indicator: OBL Sun Exposure: Full Sun

Attracts: Bumblebees, Honeybees, Wasps, Flies, Butterflies,

Hummingbirds

#### Sweet Black-Eyed Susan (Rudbeckia submentosa)

Height: 4-5' Color: Yellow

Bloom Time: Jul-Sept

Soil Moisture: Wet-Mesic to Dry-Mesic Soil Type: Clay, Loam, Peat, Sand

Wetland Indicator: FACU

Sun Exposure: Full Sun to Part Sun

Attracts: Bees, Wasps, Flies, Beetles, Butterflies

#### Tall Coreopsis (Coreopsis tripteris)

Height: 4-7' Color: Yellow

Bloom Time: Jul-Oct

Soil Moisture: Wet-Mesic to Dry-Mesic

Soil Type: Clay, Loam, Sand Wetland Indicator: FAC

Sun Exposure: Full Sun to Part Sun

Attracts: Bumblebees, Bees, Wasps, Flies, Butterflies

# Thimbleweed (Anemone cylindrica)

Height: 2-3' Color: White

Bloom Time: May-Jul Soil Moisture: Mesic to Dry Soil Type: Clay, Loam, Peat, Sand

Wetland Indicator: UPL

Sun Exposure: Full Sun to Part Sun

Attracts: Bees, Flies











## Western Sunflower (Helianthus occidentalis)

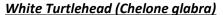
Height: 2-3' Color: Yellow

Bloom Time: Aug-Sept Soil Moisture: Mesic to Dry

Soil Type: Sand

Wetland Indicator: FACU

Sun Exposure: Full Sun to Part Sun Attracts: Bees, Flies, Butterflies



Height: 1-3' Color: Cream

Bloom Time: Aug-Sept

Soil Moisture: Wet to Wet-Mesic Soil Type: Clay, Loam, Sand Wetland Indicator: OBL Sun Exposure: Full Sun

Attracts: Bumblebees, Hummingbirds, Butterflies



Height: 1-3' Color: Blue

Bloom Time: May-Jul

Soil Moisture: Wet to Mesic Soil Type: Loam, Peat Wetland Indicator: OBL

Sun Exposure: Full Sun to Part Sun

Attracts: Bumblebees, Butterflies, Skippers

# Wild Columbine (Aquilegia canadensis)

Height: 1-3' Color: Red

Bloom Time: Apr-Jun Soil Moisture: Mesic to Dry Soil Type: Loam, Sand Wetland Indicator: FAC

Sun Exposure: Full Sun to Full Shade Attracts: Bumblebees, Hummingbirds

# Wild Lupine (Lupinus perennis)

Height: 1-3' Color: Blue

Bloom Time: May-Jun

Soil Moisture: Dry-Mesic to Dry Soil Type: Loam, Peat, Sand Wetland Indicator: UPL

Sun Exposure: Full Sun to Part Sun

Attracts: Honeybees, Bumblebees, Bees, Butterflies











## Wild Petunia (Ruellia humilis)

Height: 1-2' Color: Purple

Bloom Time: Jul-Aug Soil Moisture: Mesic to Dry Soil Type: Clay, Loam, Peat, Sand

Wetland Indicator: FACU Sun Exposure: Full Sun Attracts: Bees, Moths



Height: 4-6' Color: Yellow

Bloom Time: Aug-Sept

Soil Moisture: Wet-Mesic to Mesic

Soil Type: Loam, Peat Wetland Indicator: FACW

Sun Exposure: Full Sun to Part Sun

Attracts: Bumblebees, Ants, Beetles, Flies

# **Woodland Sunflower (Helianthus divaricatus)**

Height: 2.5-6' Color: Yellow

Bloom Time: Jul-Sept

Soil Moisture: Wet-Mesic to Dry-Mesic

Soil Type: Loam, Sand Wetland Indicator: FACU

Sun Exposure: Full Sun to Part Sun

Attracts: Honeybees, Bumblebees, Bees, Wasps, Flies,

Skippers, Butterflies







# **Woodland Rescues**

### Wild Ginger (Asarum canadensis)

Height: 0.5-1' Color: Red

Bloom Time: May-Jun

Soil Moisture: Wet-Mesic to Dry-Mesic

Soil Type: Sand, Loam, Clay Wetland Indicator: FACU

Sun Exposure: Part Sun to Shade

Attracts: Flies, Beetles



# **Keys**

### **Wetland Indicator Key**

**OBL:** Obligate wetland; hydrophyte; almost always occur in wetlands

FACW: Facultative wetland; hydrophyte; usually occur in wetlands, but may occur in non-wetlands

FAC: Facultative; hydrophyte; occur in wetlands and non-wetlands

FACU: Facultative upland; non-hydrophyte; usually occur in non-wetlands, but may occur in wetlands

**UPL:** Obligate upland; non-hydrophyte; almost never occur in wetlands

#### **Soil Moisture Key**

**Dry:** Soil moisture is very low; receive little precipitation or far from water resources; most water drains or evaporates from soil quickly

Dry-Mesic: Soil moisture is between dry and mesic levels; slightly dry, a little more moist than dry soils

Mesic: Soil moisture is moderate; soil is not saturated and drains well; usually slightly moist

Wet-Mesic: Soil moisture is between wet and mesic levels; very moist, a little more moist than mesic soils

Wet: Soil moisture is very high; in areas with periodic flooding or close to water resources; soil is saturated with water

and does not drain well