

## Salix nigra

### (Black willow, Swamp willow)

Known for its ability to withstand constant wet soil, the Black willow often becomes an advantage as it is flood tolerant. The tree comes in the form of multitrunk or single trunk; however, it tends to develop the multitrunked shape when it's given enough room to spread. Salix nigra is usually not recommended for urban landscape use, and this is due to the large amount of debris that is left behind it.



Plant Image

#### Landscape Information

**French Name:** Saule Noir

**Pronunciation:** SAL-iks NY-gruh

**Plant Type:** Tree

**Origin:** North America

**Heat Zones:** 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

**Hardiness Zones:** 2, 3, 4, 5, 6, 7, 8, 9

**Uses:** Shade, Medicinal, Wildlife, Erosion control

#### Size/Shape

**Growth Rate:** Fast

**Tree Shape:** Round, oval, Spreading

**Canopy Symmetry:** Irregular

**Canopy Texture:** Fine

**Height at Maturity:** 8 to 15 m, 15 to 23 m, Over 23

**Spread at Maturity:** 8 to 10 meters, 10 to 15 meters

**Time to Ultimate Height:** 20 to 50 Years

**Companion Plants:** Acer rubrum, Picea mariana, Betula nigra, Platanus occidentalis, Acer negundo

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Flower Image

## Botanical Description

### Foliage

**Leaf Arrangement:** Alternate

**Leaf Venation:** Pinnate

**Leaf Persistence:** Deciduous

**Leaf Type:** Simple

**Leaf Blade:** 5 - 10 cm

**Leaf Shape:** Lanceolate

**Leaf Margins:** Serrate

**Leaf Textures:** Smooth, Glossy

**Leaf Scent:** No Fragrance

**Color(growing season):** Green

**Color(changing season):** Green, Yellow

### Flower

**Flower Showiness:** False

**Flower Size Range:** 3 - 7

**Flower Type:** Catkin

**Flower Sexuality:** Diecious (Monosexual)

**Flower Scent:** Pleasant

**Flower Color:** Green, Yellow

**Seasons:** Spring, Summer, Winter

### Trunk

**Trunk Susceptibility to Breakage:** Suspected to breakage

**Number of Trunks:** Multi-Trunked, Single Trunk

**Trunk Esthetic Values:** Rough Texture

### Fruit

**Fruit Type:** Capsule

**Fruit Showiness:** False

**Fruit Colors:** Orange, Brown, Red

**Seasons:** Spring, Summer, Winter

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Leaf Image

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### Horticulture Management

#### Tolerance

**Frost Tolerant:** Yes

**Heat Tolerant:** No

**Drought Tolerant:** Yes

**Salt Tolerance:** Moderate

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#### Requirements

**Soil Requirements:** Clay, Loam, Sand

**Soil Ph Requirements:** Acidic, Neutral

**Water Requirements:** High, Moderate

**Light Requirements:** Full, Part

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#### Management

**Toxity:** No

**Invasive Potential:** No

**Susceptibility to Pests and Diseases:** Yes

**Pruning Requirement:** Little needed, to develop a strong structure

**Fruit/ Leaves/ Flowers litter:** Yes

**Surface Rooting:** Yes

**Diseases:** Powdery Mildew, Leaf Spots

**Edible Parts:** None

**Pests:** Caterpillars, Aphids, Beetles, Borers, Sawflies

**Plant Propagations:** Seed, Cutting

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