

Late Lilac



Late Lilac (*Syringa villosa*)

General Description

A dense tall shrub with stout ascending branches. This species blooms later than the common lilac. Lavender-pinkish flowers fade to gray-white. Does not sucker.

Leaves and Buds

Bud Arrangement - Buds are opposite.

Bud Color - Brown.

Bud Size - 1/8 to 1/2 inch.

Leaf Type and Shape - Simple, broad-elliptic to oblong.

Leaf Margins - Entire.

Leaf Surface - Usually pubescent near the midrib, rarely glabrous, veins impressed.

Leaf Length - 3 to 7 inches.

Leaf Width - 1½ to 4 inches.

Leaf Color - Medium green, glaucescent beneath.

Flowers and Fruits

Flower Type - Slightly fragrant, borne in large terminal panicles.

Flower Color - Rosy-lilac to white, fade quickly.

Fruit Type - Woody capsule.

Fruit Color - Smooth, brown.

Form

Growth Habit - Upright forming an oval to rounded outline.

Texture - Coarse, summer; coarse, winter.

Crown Height - 6 to 10 feet.

Crown Width - 5 to 10 feet.

Bark Color - Older bark is grayish-brown.

Root System - Shallow, dense.

Environmental Requirements

Soils

Soil Texture - Adapted to a variety of soils.

Soil pH - 5.5 to 8.0.

Windbreak Suitability Group - 1, 1K, 3, 4, 4C.

Cold Hardiness

USDA Zone 2.

Water

Less drought tolerant than common lilac. Performed well in drought of late 1980s. Does not withstand ponding.

Light

Full sun.

Uses

Conservation/Windbreaks

Medium to tall shrub for farmstead windbreaks and highway beautification.

Wildlife

Little value for fruit or browse, may be of value for nesting by songbirds.

Agroforestry Products

Floral design - Semi-fragrant cutflowers.

Urban/Recreational

Good for shelter, shrub borders, groups or masses in parks and screen plantings.

Cultivated Varieties

Preston Lilacs (*Syringa x prestoniae*) - Hybrid crosses between Late Lilac (*S. villosa*) and Nodding Lilac (*S. reflexa*). Three of the best cultivars are:

James MacFarlane Lilac (*S. x prestoniae* 'James MacFarlane')

Minuet Lilac (*S. x prestoniae* 'Minuet')

Miss Canada Lilac (*S. x prestoniae* 'Miss Canada')

Related Species

Common Lilac (*Syringa vulgaris*)

Japanese Tree Lilac (*S. reticulata*) - Tall, tree-like species, large creamy-white panicles.

Pekin Lilac (*S. pekinensis*) - Similar to Japanese Tree Lilac. Has attractive coppery, exfoliating bark.

Pests

Potential disease pests include several types of leaf spots and blights; insect pests include lilac borer, caterpillars, scales and leaf miners. Extracts from *Syringa* species are toxic to various insect pests.

LATE LILAC

Syringa villosa Vahl

Plant Symbol = SYVI3

Contributed by: USDA NRCS Plant Materials Center,
Bismarck, North Dakota

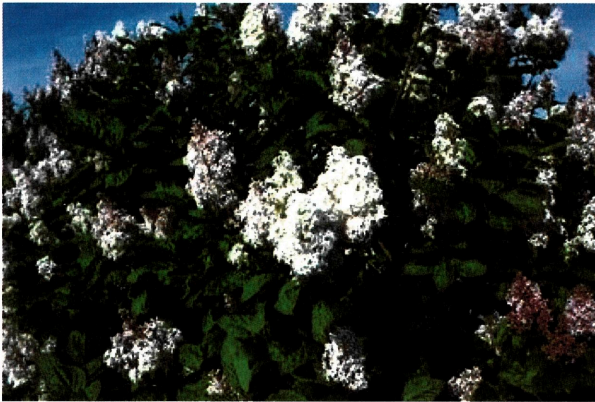


Photo Credit: Lincoln-Oakes Nursery, Bismarck, North Dakota

Alternate Names

Common Alternate Names: Villous lilac
Scientific Alternate Names: None

Uses

Conservation: Late lilac is recommended for windbreak plantings in fields and farmsteads. The dense growth habit is well suited for providing wind and snow protection.

Wildlife and Recreation: It provides escape cover and habitat for songbirds and various small mammals. Lilac species are rated excellent for pollen availability when bees first emerge in the spring (Henderson, 1987). The attractive whitish, lavender, or rose-colored blooms add beauty to recreational plantings.

Ethnobotany: Medicinal use included a tonic made from leaves and fruit used for the treatment of sore throats. Extracts from *Syringa* species are known to be toxic to various insect pests (Herman et al., 1996).

Status

Consult the PLANTS Web site and your State Department of Natural Resources for this plants current status (e.g., threatened or endangered species, state noxious status, and wetland indicator values).

Weediness

This plant may become weedy or invasive in some regions or habitats and may displace desirable vegetation if not properly managed. It does not sucker extensively and its fruit is not desired by birds so the degree of spread is generally not a problem. Please consult with your local NRCS Field Office, Cooperative Extension Service Office, state natural resource, or state agriculture department regarding its status and use. Weed information is also available from the PLANTS Web site at <http://plants.usda.gov/>. Please consult the Related Web Sites on the Plant Profile for this species for further information.

Description

Late lilac is native to northern China and is a medium to large, hardy shrub with stout spreading branches. It has an oval to irregularly shaped crown. Flowers are white, or rose to pale lavender. It generally flowers 1- 2 weeks "later" than common lilac, and the color fades quickly (Eisel, 1997). Spreading branches sprout from the base. Plants of this species were 10 feet tall and 12 feet wide after 14 years on loam soils in Conservation Tree and Shrub Group 3 in central South Dakota (Knudson, 2004). This species will coppice back after a light fire or mowing. It is long-lived.

The brown buds are opposite. Buds are 1/8 to 1/2 inch long. The entire leaves are simple and broad-elliptic to oblong. The surface is usually pubescent near the midrib and wrinkled. Margins are entire. The large and deep-veined green leaves are 3 to 7 inches long and 1 1/2 inches to 4 inches wide. The flowers which are not as fragrant as common lilac, are borne in large terminal panicles. White to lavender flowers form woody capsules with smooth, brown seeds (Herman et al., 1996). There are 41,000 seeds per pound (Knudson, 2000).

The growth habit is upright with a rounded to oval profile. It has a coarse summer and winter texture. The young bark is green-brown, and older bark is gray-brown. Late lilac has a dense, fibrous and shallow root system. It does not form suckers (Herman et al., 1996).

The coarse leaves and short-lived flowers are undesirable for landscaping. This is not a good landscape plant because it lacks other good ornamental characteristics (Knowles, 1995).

Distribution

For current distribution, please consult the Plant Profile page for this species on the PLANTS Web site.

Adaptation

Late lilac is hardy to Zone 2. This plant grows best on loams, silt loams, and silty clay loams in the 14–30 inch precipitation zone. It is not as drought tolerant as common lilac in North Dakota. It is recommended in the NRCS Conservation Tree and Shrub Groups 2-4. It is not recommended for droughty or saline soils (Knudson, 2000). Plants growing in heavy sod will have fewer and poorer quality blossoms (Ball et al., 2000).

Management

Conservation grade seedlings are usually 2 years old and 1 to 3 feet tall. Late lilac is a tall shrub that should be planted in the spring 3 to 5 feet apart. Seedlings grow medium fast. Weed control improves survival and growth rates. Dry conditions will cause die-back. Pruning should be done after flowering. Cutting off decadent top growth (coppice) can rejuvenate old or damaged plantings.

Pests and Potential Problems

Unlike most lilacs, late lilac is more resistant to powdery mildew (*Blumeria graminis*) in years of higher rainfall and in areas of higher precipitation. It may be attacked by the lilac borer (*Podosesia syringae*) which is a wasplike moth. Larvae tunnel into main stems and cause loss of vigor and death. Heavily infested stems should be pruned out. Other potential disease pests include several types of leaf spots and blights; other insect pests include caterpillars, scales and leaf miners (Herman et al., 1996; Ball et al., 2000).

Environmental Concerns

Late lilac is a plant introduced to the United States from northern China. Seed ripens in a capsule not desired by birds. It has basal sprouts, but does not spread by suckers. It is not known to spread aggressively. It may spread by seed locally, but is generally not a problem.

Seeds and Plant Production

Seed ripens in a capsule by late summer and is ready to harvest in mid to late September. It should be air-dried for several weeks. Seed can be cleaned using a hammer mill and fanning mill. It requires a cold, moist stratification of 45-60 days for spring planting. Late lilac can be fall planted without stratification. Plants reach harvestable height after two growing seasons (Knudson, 2000).

Cultivars, Improved, and Selected Materials (and area of origin)

'Legacy' a seed propagated cultivar released by the USDA NRCS Plant Materials Program from Bismarck, North Dakota. It is recommended for field windbreaks,

farmstead windbreaks, wildlife habitat plantings, and recreational plantings in the Great Plains. It does not differ significantly from the description for the species.

References

- Ball J., D. Graper, C. Wake. 2000. Shrubs for South Dakota. South Dakota State University: South Dakota Cooperative Extension Service EC 904.
- Eisel, M. 1997. Trees, shrubs, and vines for Minnesota landscapes. University of Minnesota Extension WW-00545, St. Paul, Minnesota.
- Henderson, C. 1987. Landscaping for wildlife. Minnesota Dept. of Natural Resources. Minnesota's Bookstore, St. Paul, Minnesota.
- Herman, D.E., C. Stange, V. Quam. 1996. North Dakota tree handbook. USDA NRCS; ND State Soil Conservation Committee; NDSU Extension and Western Area Power Admin., Bismarck, North Dakota.
- Knowles H., 1996. Woody ornamentals for the prairies. University of Alberta, Faculty of Extension, Edmonton, Alberta, Canada.
- Knudson M., 2000. Legacy late lilac release brochure. USDA NRCS Plant Materials Center, Bismarck, North Dakota.
- Knudson, M. 2004. Twenty-five years of tree planting trials at the Highmore field evaluation planting. Tech. Rep., USDA NRCS Plant Materials Center, Bismarck, North Dakota.

Prepared By:

Dwight A. Tober (retired)
USDA NRCS, Plant Materials Center,
Bismarck, North Dakota

Citation

Tober, D. 2013. Plant guide for late lilac (*Syringa villosa*). USDA-Natural Resources Conservation Service, Plant Materials Center, Bismarck, ND.

Published June 2013

For more information about this and other plants, please contact your local NRCS field office or Conservation District at <http://www.nrcs.usda.gov/> and visit the PLANTS Web site at <http://plants.usda.gov/> or the Plant Materials Program Web site <http://plant-materials.nrcs.usda.gov>.

PLANTS is not responsible for the content or availability of other Web sites.

USDA IS AN EQUAL OPPORTUNITY PROVIDER AND EMPLOYER