

Plant Guide

SPANISH MOSS

Tillandsia usneoides (L.) L.

Plant Symbol = TIUS

Contributed by: USDA NRCS National Plant Data Center



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Alternate Names

Graybeard, long moss, air-plant, Florida moss, con rape moss, wool crape, old man's beard, grandfather's whiskers

Uses

Ethnobotanic: Various Native American tribes, including the Houma and the Seminole, have used Spanish moss for a variety of purposes. When the outer coating of the plant is cleaned away, tough, black, curly inner fibers are exposed. These strong fibers were useful in many ways. The fibers were woven into a course cloth that was used for bedding, floor mats and horse blankets. The fibers could be twisted into cordage that was used as rope. The ropes

were used to lash together the poles that composed the framework of housing. The dried fibers were used to remove scum in cooking. The process used to strip off the outer coating is still used today. It consists of placing bundles of the green moss into a shallow pond for six weeks, long enough for the outer coat to rot away. Dry Spanish moss was used for fire arrows. The moss was wrapped around the base of the shaft, lit on fire and then shot from the bow. The moss was also an ingredient in the clay that was used to plaster the insides of houses. Fresh Spanish moss was gathered, soaked in water and stuffed into dugout canoes to keep them from drying out and splitting. The Natchez tribe of Louisiana played a game that used fist-size balls that were stuffed with Spanish moss. The plant was boiled to make a tea for chills and fever. There is evidence that Spanish moss was used over 3,000 years ago to make fire-tempered pottery. Although the moss burned away during the firing, the distinctive pattern of the fibers is still evident in the clay pottery. Spanish moss is still used today by many Native American tribes. For example, the Houma and the Koasati use Spanish moss in the construction and decoration of small dolls.

Wildlife: Several species of bats including the Seminole bat roost in clumps of Spanish moss. Yellow-throated warblers and northern parulas build their nests inside clumps of living Spanish moss. Several other species of birds gather the moss for nesting material. There is at least one species of spider that only occurs in Spanish moss.

Livestock: The plant is used as fodder for animals.

Other: Spanish moss is used in flower arrangements and as decorations for handicrafts. It is said to be excellent mulch for the garden. Spanish moss is grown commercially for use as packing material and as a replacement for horsehair in upholstery and mattress stuffing. Campers, because of red bugs and chiggers do not recommend the plants for use as bedding. If you wish to use fresh Spanish moss you may get rid of these pests by boiling small portions of the plant in water or heating them in the microwave.

Status

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

Plant Materials http://plant-materials.nrcs.usda.gov/ Plant Fact Sheet/Guide Coordination Page http://plant-materials.nrcs.usda.gov/ intranet/pfs.html> National Plant Data Center http://ppdc.usda.gov/

Description

General: Pineapple Family (Bromeliaceae). Spanish moss is a native, perennial epiphytic herb. It is not Spanish, nor a moss, but a flowering plant. The slender, wiry, long, branching stems (reaching 8m or more) grow as suspended, bluish-gray streamers and garlands draping among tree branches and sometimes telephone lines and fences. The plant and is not parasitic, as is often thought, but attaches itself to trees for support. The plant has no roots but derives its nutrients from rainfall, detritus and airborne dust. The stems and leaves are covered with overlapping silver-gray scales, which are important for absorbing water and trapping dust and nutrient particles. It is thought that these plants may play a critical role in nutrient cycling. The very narrow, linear, awl-shaped leaves (2.5 to 8 cm long) are whitish gray. Numerous, small, solitary blue or pale green flowers with three petals (6 to 8 mm long) grow in the axils of the leaves. The flowers, which bloom for a period of three to four months from spring to fall, form interesting seeds (2.4 to 3 mm) with hairy sails that float on the wind and stick to tree branches.

Distribution: Spanish moss is native to the Southeastern United States and Tropical America. For current distribution, please consult the Plant Profile page for this species on the PLANTS Web site

Habitat: Spanish moss grows on trees in areas of high humidity. It can be found on live oak and pines that border estuaries, rivers, swamps, and along the coastal plains of the Southeastern United States.

Establishment

Spanish moss may be propagated by seed or by division. The plants are very easy to grow, as they need no soil or transplanting, requiring only warmth and moisture. They are grown in greenhouses or outside in warm climates. The plants need temperature of 70 degrees or warmer in the summer and not less than 60 degrees in the winter. The plants grow well in full sunlight to partial shade. To propagate by division, place divided plantlets on bark slabs in areas with plenty of light and moisture. Mist plants regularly with lukewarm water. Spanish moss rarely blooms in cultivation.

Management

Although Spanish moss does not take nutrients from the host tree, it should be thinned if it becomes too thick. This is because it may either shade the tree's leaves or, when it is wet it can become very heavy and the branches may break under its weight.

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

These plant materials are somewhat available from commercial sources. Contact your local Natural Resources Conservation Service (formerly Soil Conservation Service) office for more information. Look in the phone book under "United States Government." The Natural Resources Conservation Service will be listed under the subheading "Department of Agriculture."

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