

United States Department of Agriculture
Soil Conservation Service
Ecological Sciences and Technology Division
Washington, D. C.

Notice of the Naming and Release of 'Redstone' Cornelian cherry dogwood.

The United States Department of Agriculture, Soil Conservation Service (SCS) announce the release of 'Redstone' Cornelian cherry dogwood, (Cornus mas L.) for conservation and amenity planting in the central cornbelt region.

Redstone was received in 1934, from the David E. Parks, Bureau of Parks, Rochester, New York, by B. H. Slsvin. It was evaluated, selected and increased at the USDA, SCS, Plant Materials Center (PMC), Elsberry, Missouri. There are no commercially released cultivars of Cornelian cherry dogwood.

Cornelian cherry dogwood is an introduced woody species native to central and southern Europe and western Asia. The Elsberry PMC has evaluated Redstone as accession numbers M1-420 and 905585.

It was selected on the basis of superior seedling vigor, dense growth form and glossy foliage. It has demonstrated excellent survival and longevity with no apparent disease or insect problems in the 44 years of evaluation on the PMC. Other desirable characteristics include attractive yellow flowers and abundant, edible scarlet fruit.

Redstone is a shrub or small tree reaching a height of 20 feet (6.2 m); bark scaly, dark brown; young bracts minutely appressed-pilose, greenish yellow, later brown. Leaves dark green, glossy ovate to elliptic, 4-20 cm. long, acute to acuminate, with 3-5 pairs of veins. Flowers are yellow on short stalked umbels; bracts yellowish; pedicels are about as long as bracts; sepals shorter. Fruits are ellipsoid, 1-2 to 1.5 cm. long, scarlet; 2,000 seeds (clean) per pound. Flowering occurs March - April; fruit ripens August - September.

Redstone is a seed propagated cultivar recommended for use in multi-row farmstead windbreaks, wildlife habitat, and plantings associated in revegetation of transportation corridors and recreation development areas.

Redstone Cornelian cherry dogwood has performed well on deep, fine to moderately fine textured well-drained soils and climatic conditions typical of the central cornbelt region.

Field plantings are currently under way to further define its area of adaptation and performance. Evaluations of Redstone at the Elsberry PMC and in selected Midwest states indicate it is adapted in plant hardiness zones 5a - 7a. It has no apparent disease and insect problems.

Propagation by commercial nurseries will be from open pollinated seed. Breeder's seed and plants to establish seed orchards of Redstone will be available to commercial growers in limited quantities from the USDA, Soil Conservation Service, Plant Materials Center, Elsberry, Missouri 63343.

Release date for publicity purposes shall be effective on the date of final signature of the release notice.

Approved By: David L. Schertz, Acting
Director, Ecological Science and Technology Division
Soil Conservation Service - Washington, D. C.
Date: _____

Conell Coniff
State Conservationist
Soil Conservation Service - Columbia, Missouri
Date: _____

Mark M. Busland
State Conservationist, *Acting*
Soil Conservation Service - Champaign, Illinois
Date: 5/13/91

Jeffrey E. Vank
State Conservationist
Soil Conservation Service - Des Moines, Iowa
Date: 5/15/91

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Elsberry Plant Materials Center
Elsberry, Missouri

Documentation of a Plant Accession Selected for Advanced Testing

Species: Cornus mas L.
Common Name: . . . Cornelian cherry dogwood
Plant Symbol: COMA
Accession Number(s): 9055585, M1-420

Origin/Source: Introduced - Central Europe and Western Asia; Origin - Unknown.
Received from David E. Parks, Bureau of Parks, Rochester, New Ynrk; Collector B. H. Slavin in 1934.

Method of Selection: Twenty (20) plants selected from a high density population planting in the woody production area. Selected on the basis of superior seedling vigor, dense growth form and glossy foliage. It has demonstrated excellent survival and longevity with no apparent disease or insect problems in the 44 years of evaluation on the Elsberry PMC. Other desirable characteristics include attractive yellow flowers and abundant (scarlet) edible fruit.

Description: Shrub or small tree, to eight meters; bark, scaly, dark brown; leaves ovate to elliptic, four to ten cm long, acute to acuminate, broad-cuneate at base. Flowers are yellow, in short stalked umbels before the leaves. Flowers March to April while fruits ripen August to September. Fruits are scarlet in color having 2,000 seeds (clean) per pound.

Conservation Use: To be used for multi-row farmstead windbreaks, wildlife food and habitat, and plantings associated with revegetation of transportation corridors and recreational development areas.

Potential Area of Adaptation: Iowa, Illinois, Missouri, east-central Kansas, and southeastern Nebraska.

Potential Soil Adaptation:

Deep, fine to moderately fine textured well-drained soils.

Where Seed Will be Maintained:

Elsberry Plant Materials Center, Elsberry, Missouri .

Prepared By:

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Elsberry, Missouri