

Where to Obtain Information

Contact your local USDA - Natural Resources Conservation Service Office for more information.

Visit our Plant Materials Internet Site at <http://Plant-Materials.nrcs.usda.gov> to find more information on solving conservation problems using plants.

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United States Department of Agriculture
Natural Resources Conservation Service
Plant Materials Center

Kerr Germplasm Wright pavonia



An improved
conservation plant
selected by the
James E. "Bud" Smith
Plant Materials Center,
Knox City, Texas
in
cooperation
with
Texas Parks and Wildlife
Kerr Wildlife Management
Area,
Hunt, Texas



Kerr Germplasm

Wright pavonia,

Pavonia lasiopetala

Kerr Germplasm is released as a selected class of certified seed (natural track)

Origin

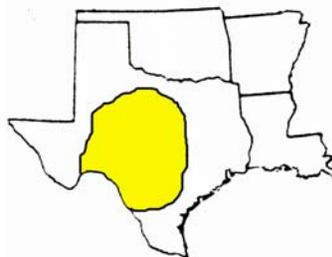
Kerr Germplasm was originally collected by RC Malden and sent to the old SCS San Antonio Nursery in the early 60's. After the nursery closed the germplasm was moved to Waco, TX and later to the Knox City PMC in 1966. Seed produced from the original germplasm was used to establish a native population at the Texas Parks and Wildlife - Kerr Wildlife Management Area near Hunt, TX. This site will be designated as the home collection site. Elevation at the collection site is approximately 1761 feet; soils at the collection site are classified as Eckrant-Comfort association, and Eckrant-Rock outcrop association. Average precipitation for the area is around 27 inches.

Potential Uses

Kerr Germplasm may be used in pure stands (perennial food plots) or as a component in seed mixtures for range seeding. Its forage value is highly palatable to all livestock, white-tailed deer and many game birds. It may be used for beautification and in low input native landscapes.

Plant Description

Kerr Germplasm is a native perennial, warm-season, small shrub. Showy rose-red or pink flowers are borne on herbaceous stems rising from a woody base. Flowering and seed set is indeterminate throughout the summer and early fall in northern areas and may occur year around within the southern areas of adaptation. Leaves are heart-shaped with three coarsely toothed lobes. Wright pavonia may grow as high as four feet with a spread of three feet.



Area of Adaptation

Wright pavonia occurs from western Texas through the Texas Hill Country and up into the southern Rolling Plains and down into Rio Grande Plains. Kerr Germplasm has an anticipated area of adaptation within Major Land Resource Areas 78, 81A, B, and 83A, B. Wright pavonia is adapted to a wide range of soil types but will perform best on well drained sandy to medium textured soils.

Establishment

Seedbed preparation should begin the year prior to a scheduled spring seeding. This will help increase your chances of not having severe weed problems the first year of establishment.

Kerr Germplasm maybe planted using a grass drill or a broadcast planting may be used in areas not accessible by a drill. When broadcast seeding, some type of additional soil disturbance is beneficial in covering the seed.

Seed should be drilled at a depth of 1/4 to 1/2 inch into a firm seedbed. Fertilizer is not required until the second year and than apply according to a soil test. Kerr Germplasm should be seeded at 7 lbs. of pure live seed (PLS) per acre to establish approximately 6 seedlings per square foot.

Kerr Germplasm may be established in small protected areas and utilized as perennial food plots for deer.

Management

Kerr Germplasm should not be grazed the first year of establishment and a grazing management plan will help maintain a stand.

Wright pavonia reseeds itself readily on rangeland where the plants are protected from overgrazing. Plants used strictly for perennial food plots will have to be protected and managed within a limited access area.

Availability of Plant Materials

Generation 0 seed (equivalent to Breeder seed) will be maintained by the Plant Materials Center at Knox City. Field production (G1) seed for grower increase is available through the Texas Foundation Seed Service, Vernon, Texas (940) 552-6226.