

LANCE-LEAF COREOPSIS

Coreopsis lanceolata L.
plant symbol = COLA5

Contributed by: USDA NRCS Plant Materials Program



USDA NRCS National Plant Materials Center
Beltsville, MD

Uses

This plant is used mainly for landscape beautification. It has potential for use in cultivated, garden situations, in naturalized prairie or meadow plantings, and along roadsides.

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).

Description

This plant is a clump-forming perennial herb with short rhizomes. Leaves may or may not be hairy; basal leaves are divided and the upper leaves are entire and oval-shaped. The flower heads are borne singularly or in small groups on upright stems from April to June. They are 1-2 inches in diameter and yellow with a yellow center. The seed are dark brown, winged, and curved to almost semi-circular.

Adaptation and Distribution

Lance-leaf coreopsis prefers full sun, but will tolerate light shade. On sites that are heavily shaded, plants

produce fewer flowers and the stems grow taller. It can grow on many soil types, but prefers a well-drained soil. Natural stands are often found on dry, infertile sites.

Lance-leaf is distributed throughout the eastern and midwestern United States. For a current distribution map, please consult the Plant Profile page for this species on the PLANTS Website.

Establishment

A firm seedbed is required. Seed may be planted into a closely mowed, chemically-killed, or burned sod area with a light disking or harrowing that scratches the soil surface. When seed is sown onto a clean-tilled site, cultipacking the soil before planting is recommended. A thick layer of plant residue on the soil surface may interfere with seed germination. Broadcast or shallowly drill 5-7 grams of seed per 100 square feet (5-7 lb/acre). Planting depth should range from at the soil surface to one-eighth inch deep. Cultipacking after planting is recommended. Seed germination should occur by fall, and the plants will remain as a low-growing rosette throughout the winter.

Management

Apply fertilizer according to soil test recommendations. If not available, a rate of 3.5-5.5 oz per 100 square feet (100-150 lb/acre) of 13-13-13 should be applied after the seedlings are established and annually thereafter. The initial mowing should be delayed until after seed set. Lance-leaf coreopsis can tolerate regular mowing during the summer and fall. However, if the plants are allowed to regrow after the initial mowing, they will usually flower sporadically throughout the summer. A fall mowing is recommended.

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

Seeds of lance-leaf coreopsis are available from commercial suppliers.

Prepared By & Species Coordinator:

USDA, Natural Resources Conservation Service
Jamie L. Whitten Plant Materials Center
Route 3, Box 215-A
Coffeeville, MS 38922-9263

01Feb2002 JLK

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

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice or TDD). USDA is an equal opportunity provider and employer.