

# LOUISIANA HOME LAWN SERIES

A guide to maintaining a healthy Louisiana lawn



## Common lespedeza

### Description

Common lespedeza (*Kummerowia striata* [Thunb.] Schindl.), a member of the legume family, is a warm-season annual weed common throughout Louisiana. Lespedeza prefers areas with dry, underfertilized, compacted soils and is often an indicator of low nitrogen levels in the soil. Its stems become woody as it matures, allowing it to better compete with and choke out turfgrass. Lespedeza also has a low growth habit, which makes it difficult to cut when mowing. It emerges from seeds in early spring and becomes established in lawns by summer.



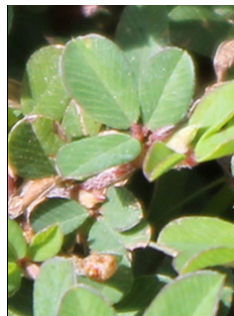
*Common lespedeza*

### Identification

Common lespedeza can be identified by its small, dark-green, oval-shaped leaves that are trifoliate (occurring in sets of three leaflets) with smooth edges. Leaflets have distinct parallel veins that can be nearly perpendicular to the leaflet midvein. As lespedeza matures, its stems become hardened and woody. It typically grows in low-growing, prostrate mats. Lespedeza produces small pink to purple flowers at leaf axils beginning in late summer. For more information on Common lespedeza identification and characterization visit the USDA Plants Database at <https://plants.usda.gov>.



*Woody stems*



*Trifoliate leaves*



*Flower*

### Cultural Control Practices

The best way to prevent or reduce weed encroachment is to maintain a healthy lawn through regular mowing and proper fertilization and soil pH management. Properly maintaining a lawn through these cultural practices promotes dense and vigorous turfgrass and allows the lawn to better compete with weeds. Below are the recommended mowing heights and nitrogen fertility rates recommended for each turfgrass species. In addition to these lawn care practices, manual removal of weeds may also be necessary.

Turfgrass	Mowing height	Nitrogen Rate (per 1,000 ft <sup>2</sup> per year)
Bermudagrass	1 - 2 inches	2 - 3 pounds
Centipedegrass	1 - 2.5 inches	0.5 - 2 pounds
St. Augustine grass	2.5 - 3 inches	1 - 3 pounds
Zoysia	1 - 2.5 inches	0.5 - 2 pounds

# Chemical Control Practices

In addition to cultural practices, herbicide applications may be required to achieve effective weed control. Apply post-emergence herbicides when common lespedeza is observed in the lawn. Post-emergence herbicides like metsulfuron or a product similar to Celsius, which contains thiencazone, dicamba and iodosulfuron, are more effective on young, actively growing weeds. Follow-up applications may be necessary to achieve control. Populations of lespedeza that are allowed to persist into late summer can be very difficult to manage. When using any herbicide, you must follow the manufacturer's labeled directions.

For more information regarding pesticides for turfgrass please reference the Louisiana Suggested Chemical Weed Control Guide at the LSU AgCenter website [www.lsuagcenter.com](http://www.lsuagcenter.com).

	St. Augustine grass	Centipedegrass	Zoysia	Bermudagrass
<b>Post-emergence Herbicide Active Ingredients</b>				
metsulfuron methyl	✓	✓	✓	✓
2, 4-D + dicamba + mecoprop	✓	✓	✓	✓
2, 4-D + dicamba + mecoprop + carfentrazone	✓	✓	✓	✓
thiencazone + dicamba + iodosulfuron	✓	✓	✓	✓
atrazine	✓	✓		
<b>Pre-emergence Herbicide Active Ingredients</b>				
isoxaben	✓	✓	✓	✓

For information regarding weed identification and control options please contact your local LSU AgCenter Extension Parish Office. To find your local LSU AgCenter Extension Parish Office visit [www.lsuagcenter.com](http://www.lsuagcenter.com).

**Authors:**

Jeffrey Beasley, Associate Professor, School of Plant, Environmental and Soil Sciences; Ronald Strahan, Associate Professor, School of Plant, Environmental and Soil Sciences  
 Kayla Sanders, Extension Associate, School of Plant, Environmental and Soil Sciences; Matt Voitier, Research Associate, School of Plant, Environmental and Soil Sciences

Visit our website: [www.LSUAgCenter.com](http://www.LSUAgCenter.com)

Pub. 3624-E (Online Only) 4/18

William B. Richardson, LSU Vice President for Agriculture

Louisiana State University Agricultural Center, Louisiana Agricultural Experiment Station, Louisiana Cooperative Extension Service, LSU College of Agriculture  
 The LSU AgCenter and LSU provide equal opportunities in programs and employment.